



Mark Young
President

Page Baldwin Jr.
Trustee

Matt Gause
Trustee

Richard Harris
Trustee

Marshall Cook
Trustee

AGENDA

**Meeting of the
Reclamation District 2084
Board of Trustees
Thursday, January 4th, 2024
8:30 am**

Larsen Wurzel and Associates, Inc.
2450 Venture Oaks Way
Suite 240
Sacramento, CA 95833

Alternative Location:
Office of Page Baldwin, Jr.
3348 Liberty Island Road
Rio Vista, CA 94571

Richard Harris
107 Black Point Reach
Sea Ranch, CA 95497

NOTICE TO THE PUBLIC

For Virtual Public Access:
Meeting Link (via Microsoft Teams):

[Click here to join the meeting](#)

Call in:

1-469-294-4078

Meeting number/access code: 642 577 498#

Any member of the public appearing virtually may speak during Public Comment. Reclamation District No. 2084 will use best efforts to swiftly resolve requests for reasonable modifications or accommodations with individuals with disabilities, consistent with the Americans with Disabilities Act, and resolving any doubt whatsoever in favor of accessibility.

- 1. Call to Order**
- 2. Roll Call and Opening Remarks**
- 3. Public Comment (New Business)**

This is an opportunity for members of the public to directly address the Board on subject matter not on the agenda within the jurisdiction of the Board.

- 4. Agenda Approval**

5. Consent Items (Action Item)

a. Approval of Meeting Minutes

1. December 7th, 2023

Enclosure 1: Agenda Item 5.a.1 – Meeting Minutes

6. Board Items (Action item unless otherwise noted)

a. Update on District Elections (Informational)

b. Final Board meeting schedule for Calendar Year 2024 (Informational)

Enclosure 2: Agenda Item 6.b – Final Meeting Schedule and Location for Calendar Year 2024

7. Operations and Maintenance Update (Informational/Action Item)

a. Update from MBK Engineers

Enclosure 3: Agenda Item 7.a – January 2024 Engineer's Report

b. Ongoing Maintenance Items

8. Financial Management (Informational/Action Item)

a. Invoicing and Mid-Year Budget Evaluation/Discussion

Enclosure 4: Agenda Item 8.a – December Financial Manager's Report

9. Little Egbert Project Update (Informational Only)

10. Other Reports (Informational Only)

a. Trustee Report(s)

b. General Manager's Report

c. Counsel Report (if needed)

11. Adjourn

a. The next regular Board Meeting is set for February 1st, 2024 at 8:30am.

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- Any documents related to agenda items that are made available to the Board before the meeting will be available for review by the public by contacting info@rd2084.org.
 - If you need reasonable accommodation due to a disability, please contact info@rd2084.org at least 48 hours in advance of the meeting. This contact information may also be used for any questions you may have.
 - Public comments are generally limited to three (3) minutes but may be more or less at the discretion of the Board.
 - The Board may consider the agenda items listed above in a different order at the meeting, pursuant to the determination of the Board Chair. All items appearing on this agenda, whether or not listed expressly for action, may be deliberated upon and subject to action at the discretion of the Board.

ENCLOSURE 1

AGENDA ITEM 5.a.1



**RECLAMATION
DISTRICT BOARD**

Mark Young
President

Page Baldwin Jr.
Trustee

Matt Gause
Trustee

Richard Harris
Trustee

Marshall Cook
Trustee

MINUTES

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Thursday, December 7th, 2023
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Meeting number/access code: 157 348 221#

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1. Call to Order

The meeting was called to order at 8:30am. President Young presided.

2. Roll Call and Opening Remarks

Trustees Present: Mark Young, President

Matt Gause

Marshall Cook

Page Baldwin, Jr.

Trustees Absent: Richard Harris

3. Public Comment (New Business)

There was no public comment.

4. Agenda Approval

Trustee Gause moved to approve the agenda.

Trustee Cook seconded and it passed by unanimous vote of Trustees present.

AYES: Young, Cook, Gause, Baldwin

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

5. Consent Items (Action Item)

a. Approval of Meeting Minutes

1. November 2nd, 2023

Enclosure 1: Agenda Item 5.a.1 – Meeting Minutes

Trustee Cook moved to approve meeting minutes.

Trustee Gause seconded and it passed by unanimous vote of Trustees present.

AYES: Young, Cook, Gause, Baldwin

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

6. Board Items (Action item unless otherwise noted)

a. Approve Resolution 2023/24 – 01 calling for a District Election.

Enclosure 2: Agenda Item 6.a – Resolution 2023/24-01: A Resolution Calling a District Election

Target Election Date February 25, 2024.

Trustee Cook moved to approve Resolution 2023/24-01.

Trustee Gause seconded and it passed by unanimous vote of Trustees present.

AYES: Young, Cook, Gause, Baldwin

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

b. Adopt Board meeting schedule for Calendar Year 2024.

Enclosure 3: Agenda Item 6.b – Draft Meeting Schedule and Location for Calendar Year 2024

Trustee Gause moved to approve the enclosed meeting schedule and location for Calendar Year 2024.

Trustee Cook seconded and it passed by unanimous vote of Trustees present.

AYES: Young, Cook, Gause, Baldwin

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

7. Operations and Maintenance Update (Informational/Action Item)

a. Update from MBK Engineers

Enclosure 4: Agenda Item 7.a – December 2023 Engineer's Report

Engineer Moncrief provided the engineer's report to the District. The Emergency Notification Flow Chart is included in the packet for the Board to review. Trustee Baldwin is listed as the primary District Observer. The Board suggested adding Bob Wagner as the contact for RD536 and Eric Skinner under Land Manager.

MBK made minor updates to Slow Rise Flood Checklist. The Board should review and provide any comments.

Engineer Moncrief is continuing to coordinate with FEMA. All of the Districts' information has been pushed to the Environmental Planning and Historic Preservation group. There may be a need to self-certify flood water discharges as covered/exempt under the Clean Water Act.

Regional General Permit 8 may be used for the Erosion Repair. Engineer Moncrief will reach out to ESA for submission of scope of work for environmental services and will share status update at the January meeting. Trustee Baldwin requested stakes to be installed near the site of the erosion. MBK will do this on the next field visit.

b. Ongoing Maintenance Items

Weather is looking okay.

MBK will patrol, as needed, during the flood season.

8. Financial Management (Informational/Action Item)

a. Invoicing

Enclosure 5: Agenda Item 8.a – November Financial Manager's Report

Financial Manager Gujral presented a financial update with current revenues, expenses and cash position.

9. Little Egbert Project Update (Informational Only)

General Manager Nagy provided an update on the Little Egbert Multi-Benefit Project. He will be meeting with DWR executives on Monday December 11, 2023 for discussions on post-CEQA work.

The Project Team and DWR are continuing engagement with the Solano Airport Land Use Commission. They are likely to be meeting with the Commission in February.

10. Other Reports (Informational Only)

a. Trustee Report(s)

Trustee Young: The tenant has completed irrigation for this growing season.

b. General Manager's Report

General Manager Nagy has developed a list of conditions with Engineer Moncrief to send to CalTrans in response to the encroachment permit request for the work at the Ryer Island Ferry.

Form 700 will be due in April 2024. The Solano County system will send email reminders.

Ethics & Harassment Training is due every 2 years and will need to be completed before April 22, 2024. Staff will provide additional information on training options in future meetings.

DWR will be on project site on December 8, 2024.

c. Counsel Report (if needed)

No Report.

11. Adjourn

- a. The next regular Board meeting is to be determined based upon calendar approval. The meeting is tentatively set for January 4th, 2024 at 8:30am.

Trustee Cook moved to Adjourn, with the next meeting scheduled for January 4th, 2024 at 8:30am.

Trustee Gause seconded and it passed by unanimous vote of Trustees Present.

AYES: Young, Cook, Gause, Baldwin

NOES: (none)

ABSTAIN: (none)

RECUSE: (none)

Meeting adjourned at 9:33 am.

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ENCLOSURE 2

AGENDA ITEM 6.b



CALENDAR YEAR 2024 MEETING SCHEDULE

Meetings of Reclamation District 2084 will follow the schedule below for calendar year 2024.

Time:

8:30 AM - 10:00 AM

Meeting Dates

1st Thursday of the Month
1/4/2024
2/1/2024
3/7/2024
4/4/2024
5/2/2024
6/6/2024
8/1/2024
10/3/2024
11/7/2024
12/5/2024

Note: There will be no Board meetings in July or September.

ENCLOSURE 3

AGENDA ITEM 7.a

MEMORANDUM

January 4, 2024

TO: Reclamation District No. 2084

FROM: MBK Engineers

SUBJECT: January Engineer's Report

Trustees:

Described below are the items constituting the engineer's report to be discussed at your scheduled January 2024 meeting.

Fall-Winter 2023 Activities

- 1) Seepage monitoring: As river levels rise later this year as Bypass flows/stage increase, monitor seepage sites for change in conditions. Be prepared to utilize flood fight materials as necessary.
- 2) Erosion monitoring: A small Rip Rap Stockpiles was placed near the active erosion site, under the same sole-source contract as seepage repair. If additional movement occurs rapidly we have stockpiled close to 100 tons of rock to deploy immediately if the embankment continues to fail under emergency conditions.
- 3) Animal control: continue to patrol for rodent activity, sinkholes, voids, and embankment movement.
- 4) Vegetation Control: Any new tree grown (less than 2" in diameter at DBH) should be removed completely.
- 5) Roadway: Roadway conditions should be monitored and when crown roadway is saturated, minimize traffic to necessary patrols to avoid major rutting until required flood monitoring and patrols are required.

Erosion Slip Repair Considerations: The repair of the erosion site on Cache Slough will require in-water work, and regulatory authorization. This will include the following approvals: USACE (NWP,RGP8), RWQCB 401 WQ Cert, CDFW LSAA, and CVFPB Maintenance Notification. Attached are RGP8 and 401 NOI for your review and signature. The RGP8 packet will be submitted once the ESA TM is completed. We have requested check and will have packet ready before mid-month. We will prepare CVFB notice and LSAA ATF form soon after. Review and sign forms so we can submit RGP8 application packet for emergency work. Once approved we'll need to move to construction quickly. We recommend An open bid process once approved and focus on basic advertising requirements and notify only our local contractors (Dutra, Asta and Gomes). We can prepare the bid packet quickly and advertise once submittal s prepared

FEMA/OES Coordination – The District and MBK are wrapping up data entry and project filing with FEMA to support obligation of projects and management review to determine eligibility. There is no certainty on project obligation and funding at this point. Potential reimbursement should include \$58,811 for 100% reimbursement of CAT B work between Jan and Feb; \$45,000 from FEMA/OES for roadway

repairs, and potential for up to \$60,000 for erosion repair from FEMA/OES. Once we have actual project costs for erosion repair identified we will request modification to reimbursement amount through FEMA so we can get maximum reimbursement.

Flood Season Update – We are monitoring conditions, see updated reservoir details, and current forecast of Fremont Weir stage. Depending on frequency of storm events moving forward we will continue to see rising river stages. After the storms from last week there is a lull between next events. This is a good sign for the early flood season.

Delta Adapts – The next iteration of the Delta Adapts planning document will be released in January. The document will outline the long-term plans for the environment, flood control, water supply and agriculture. The plans will take into account the effect of sea level rise and climate change. Our hope is that the updated report takes into account the many comments offered by local RD's and landowners. Morgan Chow has been named the interim manager of Delta Adapts since the previous manager, Harriet Ross, has taken another position.

Delta Stewardship Council – The DSC meeting was held November 16. Key items included description of the DWR support for climate resiliency work in the south Delta. The projects highlighted were the RD 17 flood control project, the south Delta operable gates project, and the Paradise Cut project, including dredging of south Delta channels downstream of Paradise Cut. The Delta residents survey results were mentioned as undergoing additional analysis. On the surface, some of the responses did not seem to support the perceived resident feeling that flood control and water quality were of utmost importance. Additional analyses may provide a different opinion of results. Along the same lines, the Sea Grant fellow who has been providing social science support and was in the process of drafting a report on Delta As Place, Dr. Jessica Rudnick, announced that she will not complete her fellowship and will be formally leaving the DSC on December 6. This is a big blow to the social science study since her background in agriculture and many hours spent meeting with local stakeholders may hurt the study. She will assist in the analyses of the resident's survey results until the end of January when she starts a new job in the midwest. Her reasons for leaving included change in her original job description, lack of staff support, and personal reasons why she had to return to area from which she originates.

Delta Plan Restoration Forum – The Restoration Forum was held November 2 at the Ryde Hotel. Over 70 people were in attendance and reviewed posters and met with proponents of ongoing projects in the Delta. The group that planned the past 2 forums will be meeting in mid-December to begin planning the next forum.

Programmatic Advanced Mitigation Work Group – DWR was funded \$2 million during 2023-24 to support planning and development of future mitigation to support the Delta Levees Subventions Program. The plan is to develop a "mitigation bank" in advance of impacts of future projects under the subventions program. The group is most interested in projects that improve waterside habitat and would like to hear from RD's and landowners who may be interested in developing a project.

Thanks



SACRAMENTO RIVER - FREMONT WEIR (FMWC1)

Latitude: 38.77° N Longitude: 121.67° W
Location: Sutter & Yolo Counties in California

Elevation: 40 Feet
Bulletin Group: Lower Sacramento

River Group: Lower Sacramento

Issuance Time: Dec 28 2023 at 7:47 AM PST

Next Issuance: Dec 28 2023 at 3:00 PM PST

Monitor Stage: 32.0 Feet

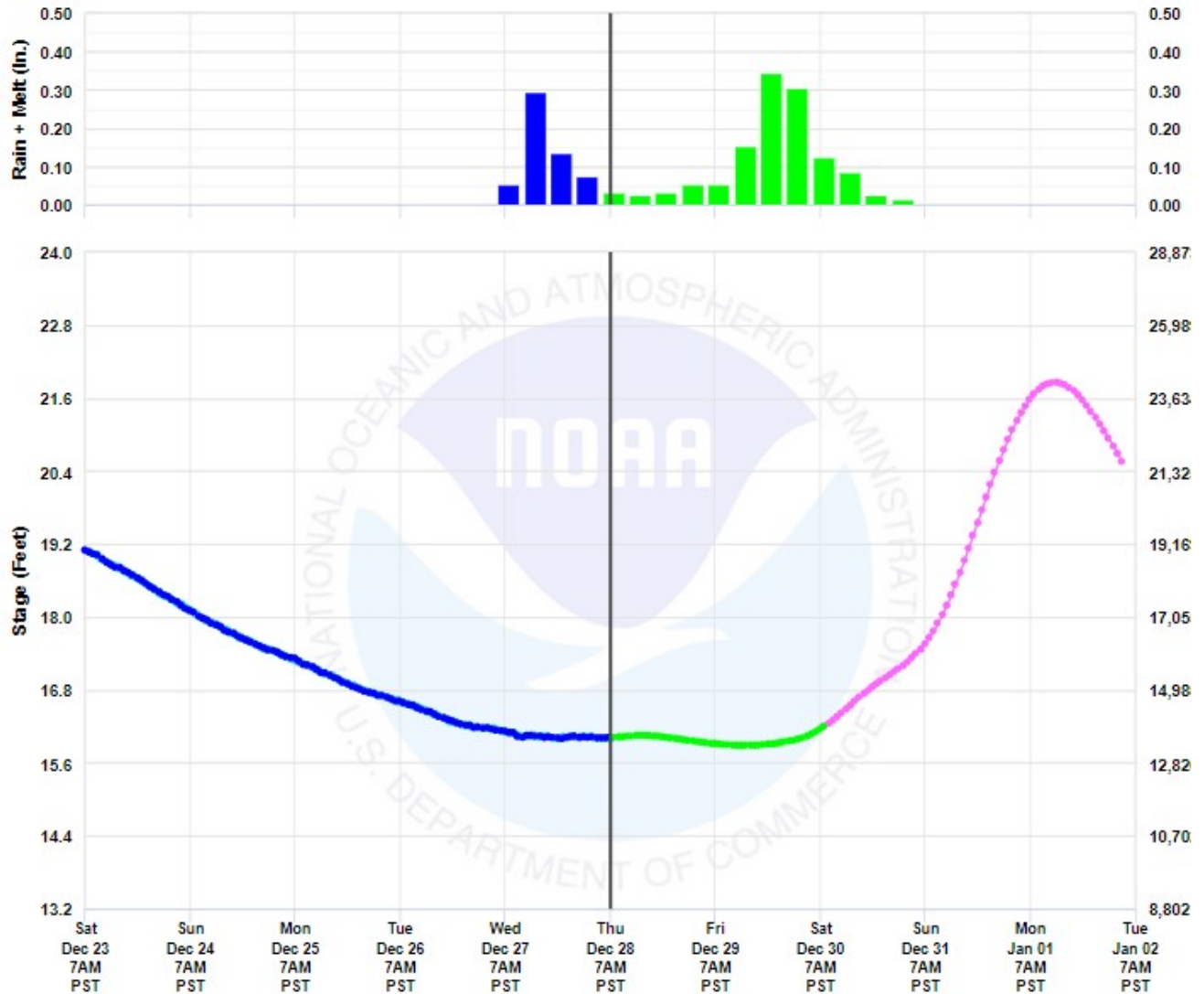
Flood Stage: 39.5 Feet

Danger Stage: 40.5 Feet

Plot Type:

Sacramento River - Fremont Weir (FMWC1) River Forecast Plot

Forecast Posted: 12/28/2023 at 7:44 AM PST • Graphic Created: 12/28/2023 at 7:47 AM PST



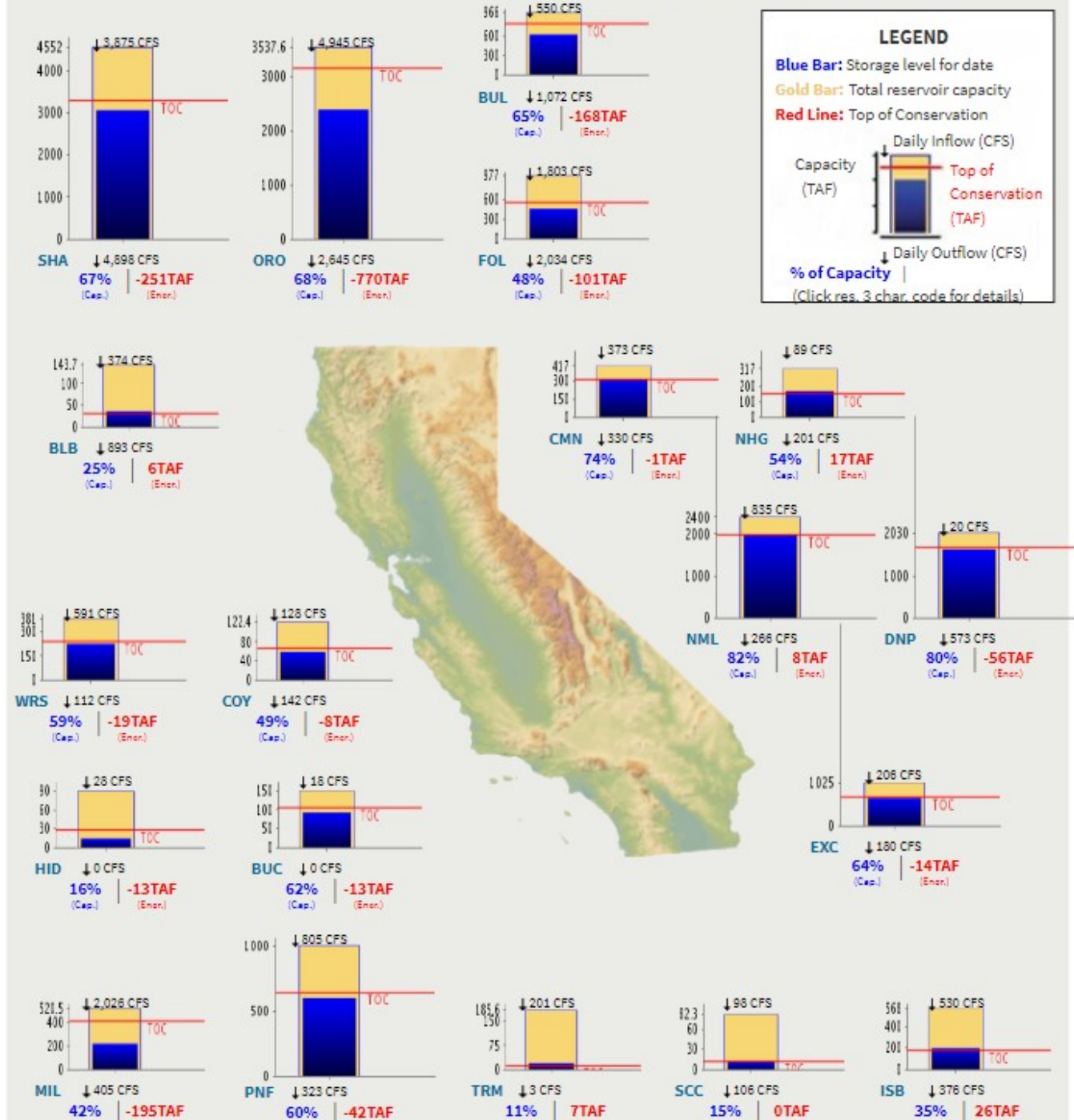


TOP OF CONSERVATION CONDITIONS:

CENTRAL VALLEY AND RUSSIAN RIVER FLOOD CONTROL RESERVOIRS: 27-DEC-2023

Midnight: 27-Dec-2023

Change Date: 27-Dec-2023



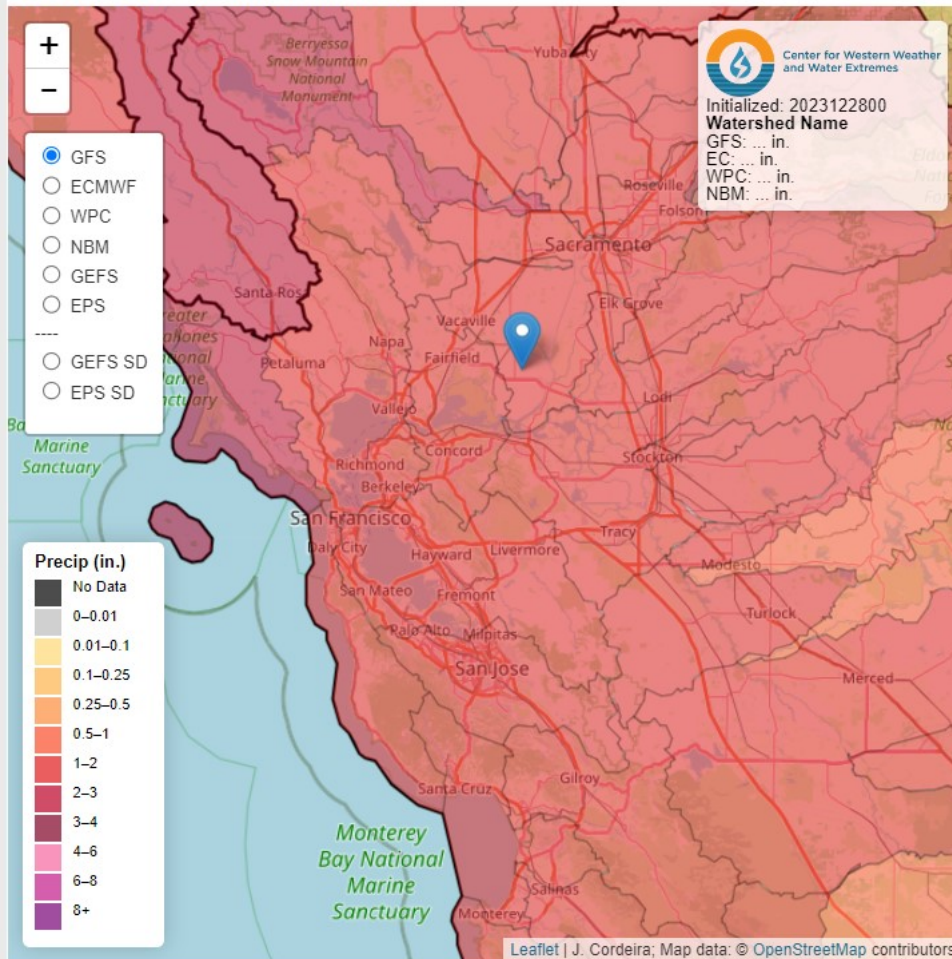
CW3E Watershed Precipitation Forecasts

Primary support by the California Atmospheric Rivers Program and U.S. Army Corps of Engineers FIRO Program
Return to CW3E Homepage.

Western US Basins | Select California Sub-Basins | AQPI Sub-Basins | Select Reservoir Catchments

Refresh Entire Page

10-day Model Precipitation Forecasts



Watershed and Update Information:

Watershed Name: Lower Sacramento
Watershed ID: 18020163 (HUC8)
Watershed Area: 786286 Acres
Model data last updated: Thu Dec 28 12:04:23 PST 2023



Forecast Summary of Mean Areal Precipitation and Volume

Model	Initialization	Total QPF	Total Volume	Duration
GFS Op.	2023122800	1.34 in.	87 TAF	10 days
ECMWF Op.	2023122800	1.67 in.	109 TAF	10 days
NOAA WPC	2023122812	1.46 in.	95 TAF	7 days
National Blend	2023122800	1.65 in.	107 TAF	10 days
GEFS Ens Mean	2023122800	1.35 in. ± 0.53	88 TAF ± 34	10 days
ECMWF Ens Mean	2023122800	1.88 in. ± 0.51	123 TAF ± 33	10 days

Daily and Multi-Day Precipitation Forecast Totals

Model	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Day-7	Days-8-10
GFS Op.	0.11	0.04	1.02	0.04	0.00	0.00	0.12	0.00
ECMWF Op.	0.12	0.09	0.98	0.01	0.00	0.00	0.22	0.24
NOAA WPC	0.02	0.95	0.20	0.00	0.00	0.17	0.12	X
National Blend	0.17	0.07	1.04	0.01	0.00	0.00	0.18	0.18
GEFS Ens Mean	0.11	0.06	0.78	0.02	0.01	0.02	0.20	0.15
ECMWF Ens Mean	0.17	0.13	0.97	0.02	0.00	0.02	0.34	0.23

Table created Thu Dec 28 12:04:33 PST 2023 for the Lower Sacramento Watershed; HUC8=18020163. Supports FIRO and CA API Programs at CW3E. Intended for Research.

U.S. Army Corps of Engineers (USACE)
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

For use of this form, see 33 CFR 325. The proponent agency is CECW-CO-R.

Form Approved -
OMB No. 0710-0003
Expires: 08-31-2023

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpold.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME First - <u>Mark</u> Middle - <u></u> Last - <u>Young</u> Company - <u>Reclamation District No. 2084 - Little Egbert Tract</u> E-mail Address - <u>myoung@westervelt.com</u>	8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) First - <u>Michael</u> Middle - <u></u> Last - <u>Moncrief</u> Company - <u>MBK Engineers</u> E-mail Address - <u>moncrief@mbkengineers.com</u>
6. APPLICANT'S ADDRESS: Address- <u>P.O. Box 698</u> City - <u>Rio Vista</u> State - <u>CA</u> Zip - <u>94571</u> Country - <u>USA</u>	9. AGENT'S ADDRESS: Address- <u>455 University Avenue, Suite 100</u> City - <u>Sacramento</u> State - <u>CA</u> Zip - <u>95825</u> Country - <u>USA</u>
7. APPLICANT'S PHONE NOs. w/AREA CODE a. Residence <u></u> b. Business <u></u> c. Fax <u></u> <u>(530) 613-6380</u>	10. AGENTS PHONE NOs. w/AREA CODE a. Residence <u></u> b. Business <u></u> c. Fax <u></u> <u>(916) 761-1281</u>

STATEMENT OF AUTHORIZATION

11. I hereby authorize, to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

SIGNATURE OF APPLICANT

DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) <u>Little Egbert Tract Critical Erosion Repair Project (Project)</u>	
13. NAME OF WATERBODY, IF KNOWN (if applicable) <u>Cache Slough</u>	14. PROJECT STREET ADDRESS (if applicable) Address <u>See Attachment A to supplemental information for project map</u> City - <u></u> State - <u></u> Zip - <u></u>
15. LOCATION OF PROJECT Latitude: +N <u>38.23277</u> Longitude: +W <u>121.47788</u>	
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID <u>004230019</u> Municipality <u></u> Section - <u></u> Township - <u></u> Range - <u></u>	

17. DIRECTIONS TO THE SITE

The Project is located on Little Egbert Tract in eastern Solano County. It is approximately 6 miles north of the City of Rio Vista. From Front Street in Rio Vista, turn right on CA-84 and drive north for 2 miles. Turn left at the Real McCoy Ferry crossing and continue driving north along the District's levee for 3.5 miles. The Project site is located on the waterside slope of the Cache Slough levee. A map of the project site is provided as Attachment A to the Supplemental Information.

18. Nature of Activity (Description of project, include all features)

The proposed project will repair the erosion on the Cache Slough levee to mitigate potential levee failure and loss of property on Little Egbert Tract. The repairs will take place from levee station 255+50 to 257+00. The District will first construct a bench on the lower waterside slope below the High Tide Line (HTL) using up to 350 cubic yards of clean 24" to 36" riprap. 120 cubic yards of facing class 18" riprap will then be placed on the upper waterside slope above the HTL. The bench will prevent the 18" from slipping down the levee slope. All riprap placed below the HTL will connect to the pre-existing riprap bank protection on the levee. Work could be accomplished from the levee crest or by barge. See the Supplemental Information for a detailed project description, project drawings, and photographs of the existing site conditions.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

See the attached Supplemental Information.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED**20. Reason(s) for Discharge**

350 cubic yards (700 tons) of 24" to 36" riprap will be placed in on the lower waterside slope below the Hight Tide Line (HTL) to stabilize the levee and create a bench for riprap on the upper slope. 120 cubic yards (230 tons) of 18" riprap will be then be placed on the upper waterside slope above the HTL to further stabilize the levee and repair the erosion.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
24" to 36" riprap - 350 cubic yards		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres Up to .09 acres

or

Linear Feet Up to 130 ft

23. Description of Avoidance, Minimization, and Compensation (see instructions)

See the attached Supplemental Information.

24. Is Any Portion of the Work Already Complete? ☐ Yes ☒ No IF YES, DESCRIBE THE COMPLETED WORK

As described in the Supplemental Information, the District made erosion repairs at the project site in 2021 and 2023. However, the existing revetment has failed and settled down the embankment leaving a large, unprotected slope that requires repairs prior to additional failures. The failures will continue unless the site can be stabilized and armored. A portion of the project site is currently protected by temporary flood fight methods (plastic and sandbags). No portion of the work described in the proposed project description has been completed.

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- Reclamation District 501 Ryer Island, 3554 State Highway 84

City - Walnut Grove State - CA Zip - 95690

b. Address- Westervelt Ecological Services LLC, 600 N Market Blvd

City - Sacramento State - CA Zip - 95834

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
Central Valley Regional Water Quality Control Board	NOI of enrollment under RGPS				
California Department of Fish and Wildlife	Emergency Lake and Reservoir Alteration Agreement				
Central Valley Flood Protection Board	Maintenance Notification				

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT DATE SIGNATURE OF AGENT DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

NOTICE OF INTENT (NOI) FORM ENROLLMENT UNDER REGIONAL GENERAL PERMIT (RGP) 8 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS

(Attach fee check or proof of online payment here.)

Instructions for Notice of Intent

The prospective Enrollee must notify the State Water Board and the applicable Regional Water Board¹ as early as possible, and no less than forty-eight (48) hours prior to initiating the emergency project, except as set forth below (and in Order section VI.G.1). Notification must be via telephone, e-mail, written notice, or other verifiable means. If not included as part of the notification, **the notification must be followed within three (3) business days by electronic or written submission of all of the information in this Notice of Intent (NOI).**

Step 1: Find the Regional Water Quality Control Board your emergency project is located in by accessing the [State and Regional Water Boards Map](https://www.waterboards.ca.gov/waterboards_map.html) (https://www.waterboards.ca.gov/waterboards_map.html).

Step 2: Using the regional information from Step 1, locate the contact information for the appropriate “**Region Program Manager**” from the [Staff Telephone and Address Directory for the 401 Certification and Wetlands Program](https://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/wqc_staffdir.pdf) (https://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/wqc_staffdir.pdf)

Step 3: Send the NOI to the appropriate Regional Water Board and copy the State Water Board’s application submittal email address:

- For notification by email (preferred), send the NOI to the Region Program Manager and copy the email address SB-401Application@waterboards.ca.gov. Include in the subject line: “Attention – RGP 8 Notice of Intent.”
- For notification by phone, call the appropriate Region Program Manager using the contact information from Step 2.
- All information in the NOI, including fees, must be submitted in writing (electronically or on paper copy) within 3 business days of the notification.

¹ Prospective Enrollees with a proposed project that involves one or more of the following activities should submit their Notice of Intent to the Division of Water Rights: 1) an appropriation of water, 2) a hydroelectric facility, or 3) any other diversion of water for domestic, irrigation, power, municipal, industrial, or other beneficial use. Water Rights contact information is in the Staff Directory linked on page 1 of this Attachment D.

Step 4: Submit fees with the NOI. Prospective Enrollees must provide the appropriate fee to the appropriate Regional Water Board for review and processing of the notification in accordance with California Code of Regulations, title 23, section 2200. If the fee is paid by check, attach a cover letter with the payment that includes the Enrollee's contact information and project name and location.

The fee amount is calculated using the "**Emergency Projects authorized by a Water Board General Order**" fee category within the **Dredge and Fill Fee Calculator** located at the [401 Water Quality Certification and Wetlands Program web page](https://www.waterboards.ca.gov/water_issues/programs/cwa401/) (https://www.waterboards.ca.gov/water_issues/programs/cwa401/). Note that fees are adjusted periodically. Enrollees should confirm the correct fee amount prior to submitting an NOI.

Notice of Intent

Contact Information: Review section *Legally Responsible Person (LRP)* eligibility and signature requirements at the end of the Notice of Intent before completing this form.

PROSPECTIVE ENROLLEE (LEGALLY RESPONSIBLE PERSON)	
Name:	Mark Young, President, Reclamation District No. 2084
Phone Number:	(530) 613-6380
Mailing Address:	P.O. Box 698
City:	Rio Vista
State:	CA
ZIP Code:	94571
Contact Person:	Mark Young
Email:	myoung@westervelt.com
Billing Address (If different from above)	
Name:	
Phone Number:	
Mailing Address:	
City:	
State:	
ZIP Code:	
Email:	

DULY AUTHORIZED REPRESENTATIVE (if different from Enrollee)	
Name:	Michael Moncrief, District Engineer
Phone Number:	(916) 456-4400
Mailing Address:	455 University Ave, Suite 100
City:	Sacramento
State:	CA
ZIP Code:	95825
Contact Person:	Michael Moncrief
Email:	moncrief@mbkengineers.com

PROJECT SITE LOCATION	
Project Name or Title:	Reclamation District No. 2084 Emergency Erosion Repair Project (Project)
Street (include address, if any) :	N/A
Nearest Cross Streets:	N/A
County:	Solano
Total size of project site (acres) :	.145 acres total. .090 acres below the High Tide Line (HTL). .055 acres above the HTL.
Photos Attached? (yes/no)	Yes - See Attachment A for photos of the existing site conditions.
Map Attached? (yes/no)	Yes - See Attachment B for a map of the project site.
Latitude:	38.232662
Longitude:	-121.677733

Note: Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DISCHARGE INFORMATION
Name(s) of receiving water(s):
Cache Slough
Receiving water type(s):
<input type="checkbox"/> Lake/Reservoir <input type="checkbox"/> Ocean/Estuary/Bay <input checked="" type="checkbox"/> River/Streambed <input type="checkbox"/> Riparian Area <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Wetland
Emergency project description:
The proposed project will repair the erosion along the District's Cache Slough levee to mitigate potential levee failure and loss of property on Little Egbert Tract. The repairs will take place from levee Station 255+50 to 257+00 on the waterside slope. The District previously placed riprap on the upper waterside slope at this location to repair erosion in 2021 and 2023. However, the levee continued to fail after the winter 2023 storm events and the waterside levee slope is vertical and exposed to further erosion and failure. The waterside levee slope at this site has been eroded to vertical or near vertical for the entire slope height from top of levee to below water line. The waterside levee slope is unstable and site is now at risk of continuous levee failure. The proposed project will repair the erosion and stabilize the levee.
Proposed solution to emergency:
The District will first construct a bench on the lower waterside slope below the High Tide Line (HTL) using up to 350 cubic yards (700 tons) of clean 24" to 36" quarry stone. 120 cubic yards (230 tons) tons of facing class 18" riprap will then be placed on the upper waterside slope above the HTL. The bench will prevent the 18" from slipping down the levee slope. The work will be conducted from the levee crest or a barge mounted crane. See Attachment C for a detailed project description. See Attachment B for project design drawings.
Erosion and sediment control measures proposed:
To minimize soil or sediment from entering the waterway, the District will place riprap materials during low tide as much as possible. Material placed below the High Tide Line will be minimized to address only the immediate emergency project area. The District will also install sediment control materials prior to and during construction activities at the project site. This may include installation of turbidity curtains or silt fencing. Turbidity, and the concentration of total suspended solids may temporarily increase during placement of the riprap material. Any potential increases in turbidity would be short-term. A biologist will be on-site to observe construction activities. The biologist will halt construction if a turbidity plume is observed in the waterway.

Description of how emergency definition is satisfied (e.g., unexpected, potential loss of life or property):
The District's Cache Slough levee is at risk of imminent failure. The situation is anticipated to worsen during the upcoming wet season as flows increase in Cache Slough when the Yolo Bypass takes floodwater from the Sacramento and American River watersheds. If the levee were to fail, there would be significant loss of property and damage to public facilities. An estimated \$21.3 million in agricultural land and structures would be damaged and natural gas wells located throughout the tract would be impacted. The inundation of Little Egbert Tract could also impact access to CA Highway 84 and the Real McCoy Ferry. Current costs to reclaim and repair the District's flood control system and address interior damages could exceed \$13 million.
List other agencies contacted, or other permits being sought:
<ul style="list-style-type: none">• U.S. Army Corps of Engineers Sacramento District, Regional General Permit 8• California Department of Fish and Wildlife, Emergency Lake and Streambed Alteration Agreement• Central Valley Flood Protection Board
Are you also seeking coverage under the Statewide General WDR for Discharges of Dredged or Fill Material from Emergency Repair and Protection Activities?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Which of these criteria does the project satisfy? (Check all that apply)

- ☒ Projects to maintain, repair, restore, demolish, or replace property or facilities damaged or destroyed as a result of a disaster in a disaster-stricken area in which a state of emergency has been proclaimed by the Governor pursuant to the California Emergency Services Act, commencing with section 8550 of the Government Code. This includes projects that will remove, destroy, or significantly alter an historical resource when that resource represents an imminent threat to the public of bodily harm or of damage to adjacent property or when the project has received a determination by the State Office of Historic Preservation pursuant to Section 5028(b) of Public Resources Code.
- ☒ Emergency repairs to publicly or privately owned service facilities necessary to maintain service essential to the public health, safety, or welfare. Emergency repairs include those that require a reasonable amount of planning to address an anticipated emergency.
- ☒ Specific actions necessary to prevent or mitigate an emergency. This does not include long-term projects undertaken for the purpose of preventing or mitigating a situation that has a low probability of occurrence in the short-term, but this exclusion does not apply (1) if the anticipated period of time to conduct an environmental review of such a long-term project would create a risk to public health, safety or welfare, or (2) if activities (such as fire or catastrophic risk mitigation or modifications to improve facility integrity) are proposed for existing facilities in response to an emergency at a similar existing facility.
- ☐ Projects undertaken, carried out, or approved by a public agency to maintain, repair, or restore an existing highway damaged by fire, flood, storm, earthquake, land subsidence, gradual earth movement, or landslide, provided that the project is within the existing right of way of that highway and is initiated within one year of the damage occurring. This does not apply to highways designated as official State scenic highways, nor any project undertaken, carried out, or approved by a public agency to expand or widen a highway damaged by fire, flood, storm, earthquake, land subsidence, gradual earth movement, or landslide.
- ☐ Seismic work on highways and bridges pursuant to section 180.2 of the Streets and Highways Code, section 180 et seq.
- ☒ Emergency activity where CEQA is suspended under the California Emergency Services Act.

Fill and Excavation Discharges:

For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the discharges to waters of the state.

Temporary Fill/Excavation Impacts

Lake/Reservoir

Acres	
Cubic Yards	
Linear Feet	

Stream Channel

Acres	0.055
Cubic Yards	120
Linear Feet	200

Ocean/Bay/Estuary

Acres	
Cubic Yards	
Linear Feet	

Vernal Pool

Acres	
Cubic Yards	
Linear Feet	

Riparian Zone

Acres	
Cubic Yards	
Linear Feet	

Wetland

Acres	
Cubic Yards	
Linear Feet	

Permanent Fill/Excavation Impacts:

Lake/Reservoir

Acres	
Cubic Yards	
Linear Feet	

Stream Channel

Acres	.090
Cubic Yards	350
Linear Feet	130

Ocean/Bay/Estuary

Acres	
Cubic Yards	
Linear Feet	

Vernal Pool

Acres	
Cubic Yards	
Linear Feet	

Riparian Zone

Acres	
Cubic Yards	
Linear Feet	

Wetland

Acres	
Cubic Yards	
Linear Feet	

Legally Responsible Person Attestation and Optional Duly Authorized Representative Assignment

The attestation below must be signed by the Legally Responsible Person (LRP)

1) LRP eligibility is as follows:

- a. For a corporation: by responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
 - i. A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function; or
 - ii. The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with

environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively
- c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. This includes the chief executive officer of the agency or the senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of the U.S. EPA).

Legally Responsible Person Attestation

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Legally Responsible Person's Name

X

Legally Responsible Person's Signature

2) DAR assignment is as follows (optional):

- a. The authorization shall specify that a person designated as a DAR has responsibility for the overall operation of the regulated facility or activity, such as a person that is a manager, operator, superintendent, or another position of equivalent responsibility, or is an individual who has overall responsibility for environmental matters for the company.

Optional Duly Authorized Representative (DAR) Assignment

I hereby authorize [] to act on my behalf as the DAR in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.

Print Legally Responsible Person's Name (not DAR)

X

Legally Responsible Person's Signature

RD 2084 Emergency Erosion Repair Project
NOI for Enrollment Under RGP8

Attachment A. Photos of Existing Site Conditions



Station 256+40 – 257+00. Facing west. Dated 11-13-2023



Station 256+40 – 257+00. Facing north. Dated 12-13-2023

RD 2084 Little Egbert Critical Erosion Repair Project – Existing Site Conditions

Photographer /Observer – Michael Moncrief/ Kirsten Pringle





Station 255+50 – 256+20. Facing east. Dated 11-13-2023

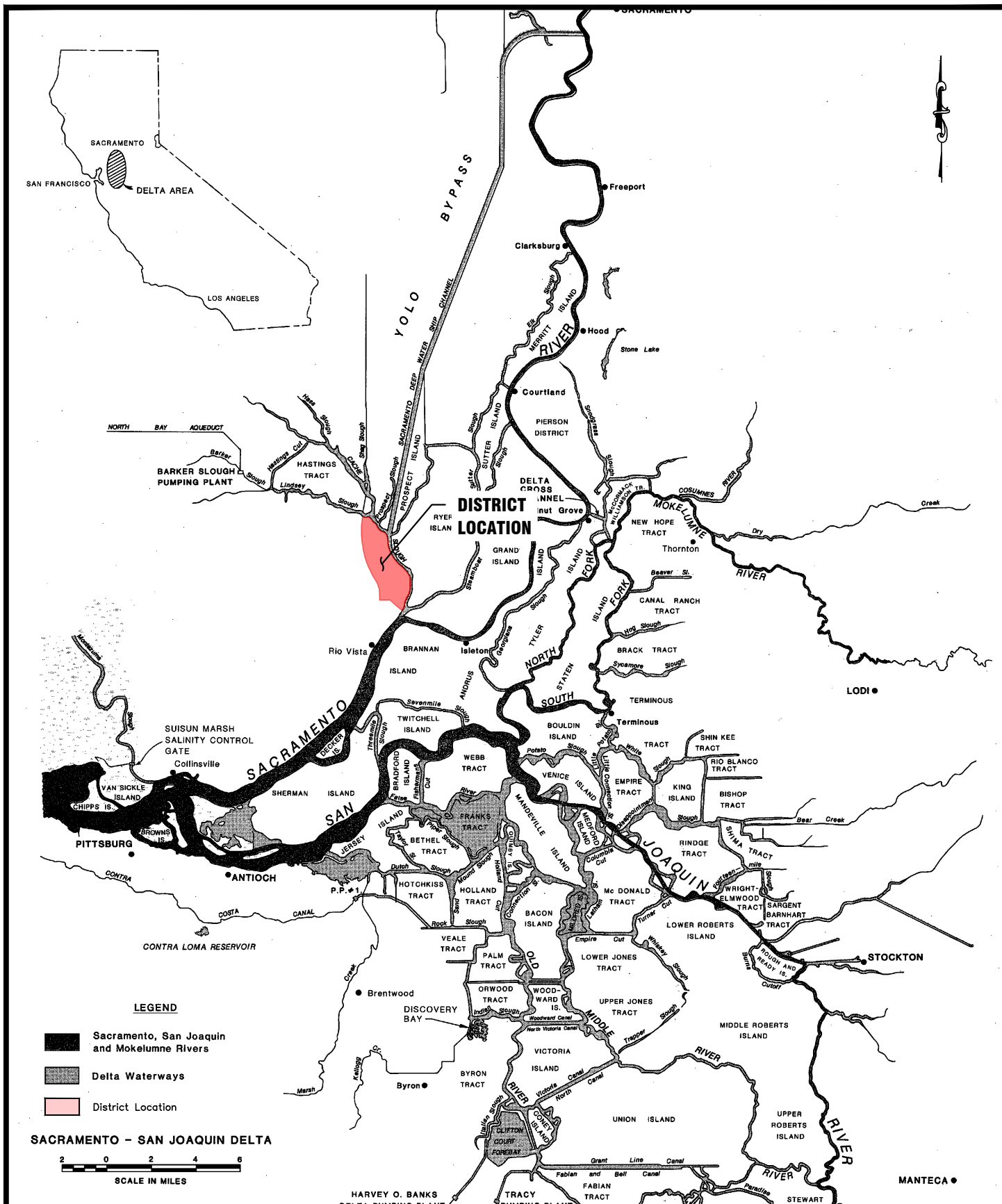
RD 2084 Little Egbert Critical Erosion Repair Project – Existing Site Conditions

Photographer /Observer – Michael Moncrief/ Kirsten Pringle



RD 2084 Emergency Erosion Repair Project
NOI for Enrollment Under RGP8

Attachment B. Project Map and Design Drawings



MBK
ENGINEERS

455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253

**RECLAMATION DISTRICT NO. 2084
LITTLE EGBERT TRACT**

VICINITY MAP

SCALE:	AS NOTED
JOB NUMBER:	4575.1
DRAWN BY:	MB
DATE:	12/18/2023
SHEET:	1 OF 3



LEGEND

— PROJECT AREA - STATION 255+60 - 257+00

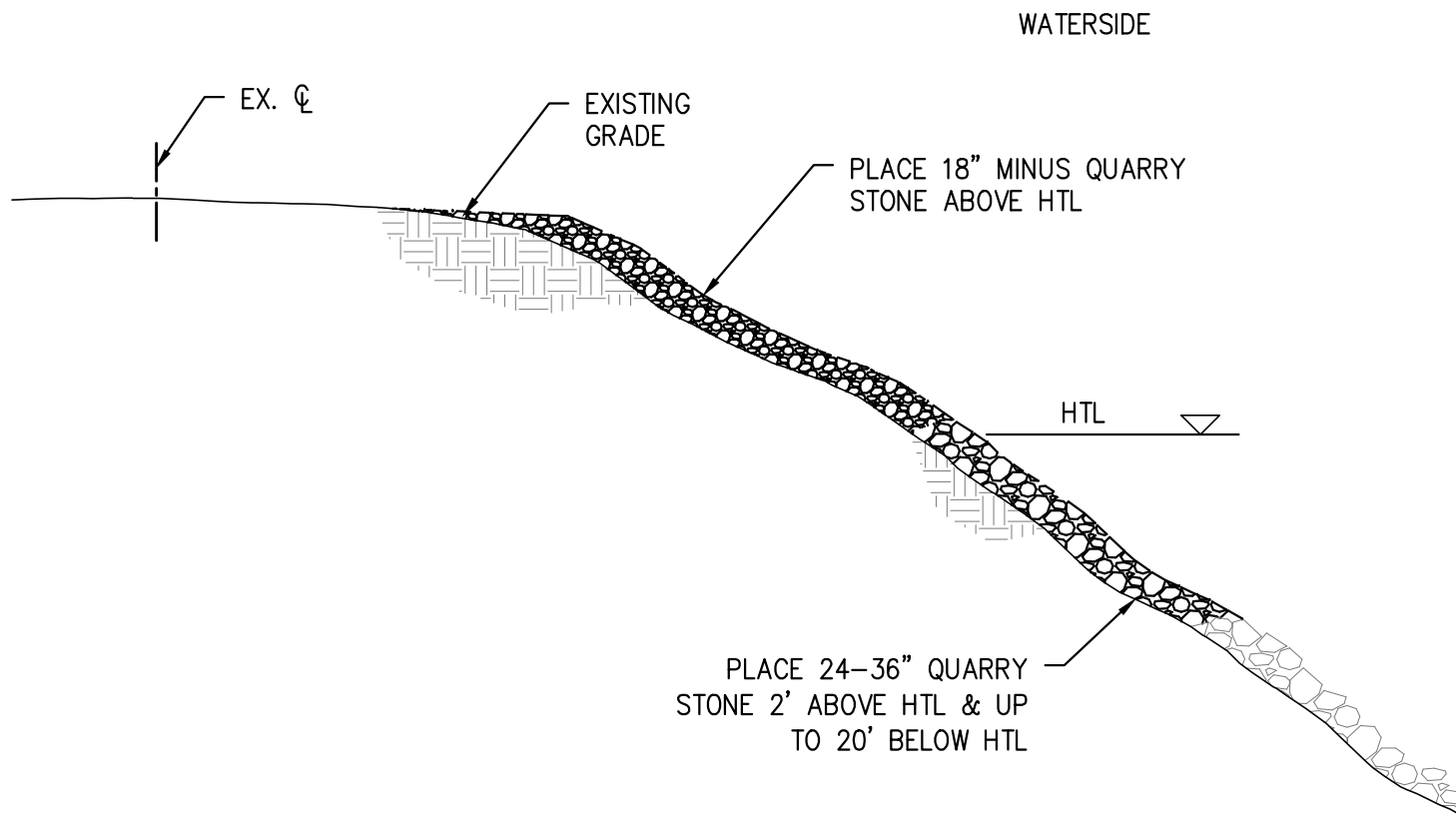
MBK
ENGINEERS

455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253

**RECLAMATION DISTRICT NO. 2084
LITTLE EGBERT TRACT**

PROJECT AREA MAP

SCALE:	1" = 3,000'
JOB NUMBER:	4575.1
DRAWN BY:	MB
DATE:	12/18/2023
SHEET:	2 OF 3



MBK
ENGINEERS

455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253

RECLAMATION DISTRICT NO. 2084
LITTLE EGBERT TRACT

TYPICAL REPAIR DETAIL

SCALE:	N.T.S
JOB NUMBER:	4575.1
DRAWN BY:	MB
DATE:	12/18//2023
SHEET:	3 OF 3

RD 2084 Emergency Erosion Repair Project
NOI for Enrollment Under RGP8

Attachment C. Project Description

Reclamation District No. 2084 2023 Emergency Erosion Repair Project

SUPPLEMENTAL INFORMATION FOR U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT REGIONAL GENERAL PERMIT 8 APPLICATION
DECEMBER 2023

Introduction

Reclamation District No. 2084 (District) is requesting authorization under Regional General Permit 8 for emergency erosion repairs along the Cache Slough levee on Little Egbert Tract operated and maintained by the District. The District is located at the southern end of the Yolo Bypass in the County of Solano immediately upstream of the City of Rio Vista. The District is bounded by Cache Slough to the north and east, Sacramento River to the southeast, and Reclamation District No. 536 to the west. The District's levee protects 3,055 acres of actively farmed land.

The District is protected by a restricted-height levee on west bank of Cache Slough. The restricted-height levee overtops and breaches during an approximately 25-year or greater flood to increase the flood conveyance capacity of the Yolo Bypass. A short 150-foot-long section of this levee is severely eroded and requires immediate repairs to prevent potential levee failure.

This supplemental information was prepared in conjunction with a U.S. Army Corps of Engineers (USACE) Application for Department of the Army Permit Eng. Form 4345.

Box 15. Location of Project

The Project is located on the northeastern portion of Little Egbert Tract along a levee operated and maintained by the District. Little Egbert Tract is at southern end of the Yolo Bypass in the County of Solano. It is immediately upstream of the City of Rio Vista. The District is bounded by Cache Slough to the north and east, Sacramento River to the southeast, and Reclamation District No. 536 to the west.

The Project entails repairing a critical erosion site on the waterside slope of the District's Cache Slough levee from Station 255+50 to 257+00 (38.23277, -121.67788). The Sacramento Deep Water Ship Channel joins Cache Slough immediately north the Project location. A vicinity map and map of the Project site are included in **Appendix A**. The levee is a non-project levee. However, its location makes it a crucial part of planned system improvements in the Yolo Bypass.

Box 18. Nature of Activity

Project Setting

The District's levee protects 3,056 acres of privately-owned, actively farmland on Little Egbert Tract. The land is primarily cultivated for row crops and alfalfa. There are also natural gas wells on the tract. CA Highway 84 runs along the southeastern corner of the property before crossing Cache Slough to Ryer Island via the Real McCoy Ferry. Technical memorandum developed as part of the Delta Risk Management Strategy Phase 1 estimated the value of assets on the tract at \$21,246,000 in 2007. The memorandum estimated that costs to repair and reclaim the District after a levee failure would exceed \$13 million for a high-water event.

The proposed project is located within the area of the proposed Little Egbert Multi-Benefit Project (LEMBP). The LEMBP would permanently inundate Little Egbert Tract to provide regional flood risk reduction benefits and restore more than 3,200 acres of habitat. It is being evaluated through a partnership between the California Department of Water Resources (DWR) and the Little Egbert Tract Joint Powers Authority, which is comprised of the District and Reclamation District No. 536.

The LEMBP would degrade portions of the restricted-height levee along Cache Slough and construct inflow and outflow openings along Cache Slough to connect the floodplain and improve conveyance during flood events. By doing so, it would create more than 3,200 acres of new habitat supporting rearing and/or spawning areas for fish species through the creation of subtidal, tidal marsh, and seasonal

RD 2084 Emergency Erosion Repair Project RGP8 Supplemental Information

floodplain habitats. In addition, it would reduce regional flood risk in the lower Yolo Bypass and Cache Slough complex tributaries. This proposed project is identified in the Central Valley Flood Protection Plan as a key multi-benefit project.

The LEMBP is currently under evaluation. A feasibility study was prepared in 2023. The DWR released a Notice of Preparation for a Draft Environment Impact Report for the LEMBP in June 2023.

The District is also a partner of the Yolo Bypass Cache Slough Partnership (YBCS). Other members of the YBCS include the USACE, U.S. Fish and Wildlife Service, U.S. National Marine Fisheries Services, DWR, Central Valley Flood Protection Board, Central Valley Regional Water Quality Control Board, and other state, federal, and local agencies. The YBCS has identified Little Egbert Tract as a crucial part of planned system improvements to the Yolo Bypass to expand flood conveyance capacity and improve migratory fish habitat.

Description of Existing Site Conditions

The District's levee system is well-maintained with comprehensive riprap bank protection along the Cache Slough levee segment. However, there is a history of erosion at the project site.

The District has made multiple previous repairs to this section of levee to address erosion. In 2021, the District placed 75 tons of riprap from Station 255+50 to 256+80 on the waterside slope above the High Tide Line (HTL). During the state and federally declared emergency storm events in January 2023, the previously placed riprap slipped down the waterside slope and the levee continue to erode. In January 2023, the District placed 247 tons of 18" riprap above the HTL to replace the previous stone.

After the winter storm events, MBK Engineers, on behalf of the District, performed several site condition assessments of Little Egbert Tract. During the assessments, the District Engineer observed that the riprap placed on the previous erosion site from Station 255+80 to 256+80 had again slipped from the upper waterside slope and slope soils were bare. The District has installed flood fight materials (plastic and sandbags) at a portion of the site as a temporary protection measure. However, the waterside levee slope is unstable and site is now at risk of additional levee embankment failure.

The waterside levee slope between Station 255+50 to 257+00 is failed. The existing revetment has settled down the embankment leaving a large, unprotected slope that requires repairs prior to additional failures. The waterside levee slope at this site has been eroded to vertical or near vertical for the entire slope height from top of levee to below water line. See **Appendix B** for photos of the site conditions. Immediate repairs are required at this site to stabilize the levee before it fails.

Project Description

The proposed project will repair the erosion on the District's Cache Slough levee to mitigate potential levee failure and loss of property on Little Egbert Tract. The repairs will take place from levee Station 255+50 to 257+00 at the distinct areas of failure. The District will first construct a bench on the lower waterside slope below the High Tide Line (HTL) using clean 24" to 36" quarry stone. An estimated 350 cubic yards (700 tons) of quarry stone will be placed below HTL. The District's contractor will compress the quarry stone into the levee slope and toe to stabilize the existing revetment. The stone will continue to be compressed until resistance to placement brings the elevation of the working surface up to the slope of the levee. The District will then place 120 cubic yards (230 tons) of facing class 18" riprap on the upper waterside slope above the HTL. The bench will prevent the 18" riprap from slipping down the levee slope. Design drawings of the erosion repairs are included in **Appendix A**.

To repair the levee, the District will use conventional earthmoving equipment (e.g., excavators, haul trucks, etc.) to place the clean quarry stone on the waterside slope of the levee. The work may be conducted from the levee crest or by barge. Barges may also be used to bring material to the project site. The fill material will be comprised of clean quarry stone. No fill materials composed of soil will be placed below the HTL of the project site. All work will be performed on the existing levee footprint to repair storm damage and replace bank protection lost due the flood event; no expansion of the levee footprint is anticipated.

Box 19. Proposed Project Purpose

The purpose of the proposed project is to repair critical erosion along the District's Cache Slough levee. Both historically and recently, the District's restricted height levee have been affected by high water and wind driven waves in Cache Slough and regional runoff and flow from the Yolo Bypass. This has resulted in the failure of the waterside levee slope at this location. The District has made numerous attempts to repair the most the critically eroded sites. Most recently, the District placed riprap on the upper waterside slope in 2021 and 2023.

Site conditions were exacerbated during the 2023 flood events. The District experienced heavy local rainfall, runoff, and high winds resulting in an immediate risk to the District's levees. In response, the District declared a state of emergency on January 5, 2023. Following the emergency storm events, the District's engineer evaluated the levee and found that the previously placed riprap had slipped and the levee was at risk of imminent failure. Immediate repairs were performed; however, the repairs rapidly failed during the ongoing 2023 flood event. Temporary flood fight methods were installed to protect the site while a more permanent repair was being evaluated and designed.

If the levee were to fail, there would be significant loss of property and damage to public facilities. An estimated \$21.3 million in agricultural land, equipment, and structures would be damaged and natural gas wells located throughout the tract would be impacted. The inundation of Little Egbert Tract could also impact access to CA Highway 84 and the Real McCoy Ferry which connect Little Egbert Tract and the City of Rio Vista to Ryer Island and serve as major throughfares through the Yolo Bypass region and North Delta. Current costs to reclaim and repair the District's flood control system and address interior damages could exceed \$13 million.

A levee failure would also threaten the feasibility of the LEMBP and future system improvements in the Yolo Bypass. The LEMBP is anticipated to reduce flood risk in the lower Yolo Bypass and create more than 3,200 acres of habitat. If Little Egbert Tract were to flood prior to project initiation, the project could be postponed indefinitely until repairs and reclamation of the tract was completed.

The District is prepared to start construction on the proposed project no later than 14 days from when the Regional General Permit 8 is issued. Site repairs could take two to three days to complete depending on weather conditions at the project site.

Box 22. Surface Area in Acres of Wetlands or Other Water Filled.

The District will fill up to 0.09 acres in waters of the United States as part of the proposed project. The fill acreage was calculated for areas above and below the HTL. No wetlands subject to USACE jurisdiction under the Clean Water Act would be filled as part of the project. Construction would occur from either the levee crown or via a barge in Cache Slough. If repaired from the levee crown, the clean quarry stone would be transported and placed using an excavator, haul trucks, and other typical earth-moving equipment. If repaired from a barge, material would be transported and placed using a barge, tug, and crane or long-reach excavator.

Box 23. Description of Avoidance, Minimization, and Compensation

Critical Habitat

Little Egbert Tract is located at the southern end of the Yolo Bypass in the Sacramento-San Joaquin Delta (Delta) (see vicinity map in **Appendix A**). The project site is located along Cache Slough in the Cache Slough Complex. The Delta Stewardship Council's Delta Plan identifies both the Yolo Bypass and Cache Slough Complex as Priority Habitat Restoration Areas.

Federal listed threatened and endangered species in the Delta include, but are not limited to:

- Green sturgeon (*Acipenser medirostris*)
- Delta smelt (*Hypomesus transpacificus*)
- Central Valley steelhead (*Oncorhynchus mykiss*)
- Central Valley springrun Chinook salmon (*Oncorhynchus tshawytscha*)
- Sacramento River winter-run Chinook salmon (*Oncorhynchus tshawytscha*)
- Riparian woodrat (*Neotoma fuscipes riparia*)
- Salt marsh harvest mouse (*Reithrodontomys raviventris*)
- Riparian brush rabbit (*Sylvilagus bachmani riparius*)
- San Joaquin kit fox (*Vulpes macrotis mutica*)
- California least tern (*Sternula antillarum browni*)
- Ridgway's rail (*Rallus longirostris obsoletus*)
- Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*)
- Western snowy plover (*Charadrius alexandrinus nivosus*)
- California tiger salamander (*Ambystoma californiense*)
- California red-legged frog (*Rana draytonii*)
- Giant garter snake (*Thamnophis gigas*)

Western pond turtles (*Actinemys marmorata*) have been documented along the canals on the west side of the Little Egbert Tract and may potentially occur in the vicinity of the project site. Giant garter snake has potential to occur in the drainage ditches and canals within and around the tract. However, giant garter snakes do not typically occur in larger waterways such as the Cache Slough because of the high potential for predation by large fish and other aquatic mammals.

On December 13, 2023, a qualified biologist conducted a survey and assessment of the existing biological conditions at the project site. A summary of the survey findings is provided in **Appendix C**. The biologist observed a white alder (*Alnus rhombifolia*) on the waterside levee slope. A box elder (*Acer negundo*) was also observed just outside the project site on the waterside slope. The District will avoid impacts to the white alder to the extent feasible. It is not anticipated that the box elder will be impacted by project construction.

Avoidance and Minimization Measures

The proposed project will address critical erosion into the waterside levee slope by placing riprap on the existing riprap on the levee slope and the underwater toe. The riprap will be placed in the existing levee footprint. There will be no net effects on waters of the United States because the amount of fill is limited to the minimum necessary to reestablish a portion of the levee bank that has eroded into Cache Slough.

Fish that may be present during the proposed in-water work period have the potential to be directly disturbed (e.g., come into contact during the placement of riprap, displaced from preferred habitat, cover, or feeding locations) by project activities. However, the proposed project will not introduce any physical

or hydrological structure that could block or impede migration corridors and existing riparian habitat will not be affected by riprap material placement on levee repair sites.

Turbidity, and the concentration of total suspended solids, may temporarily increase during placement of the riprap material. However, any potential increases in turbidity would be short-term.

The following describes measures and best management practices the District will implement to avoid and minimize impacts to waters of the United States and federally listed threatened and endangered species, critical habitat, and essential fish habitat:

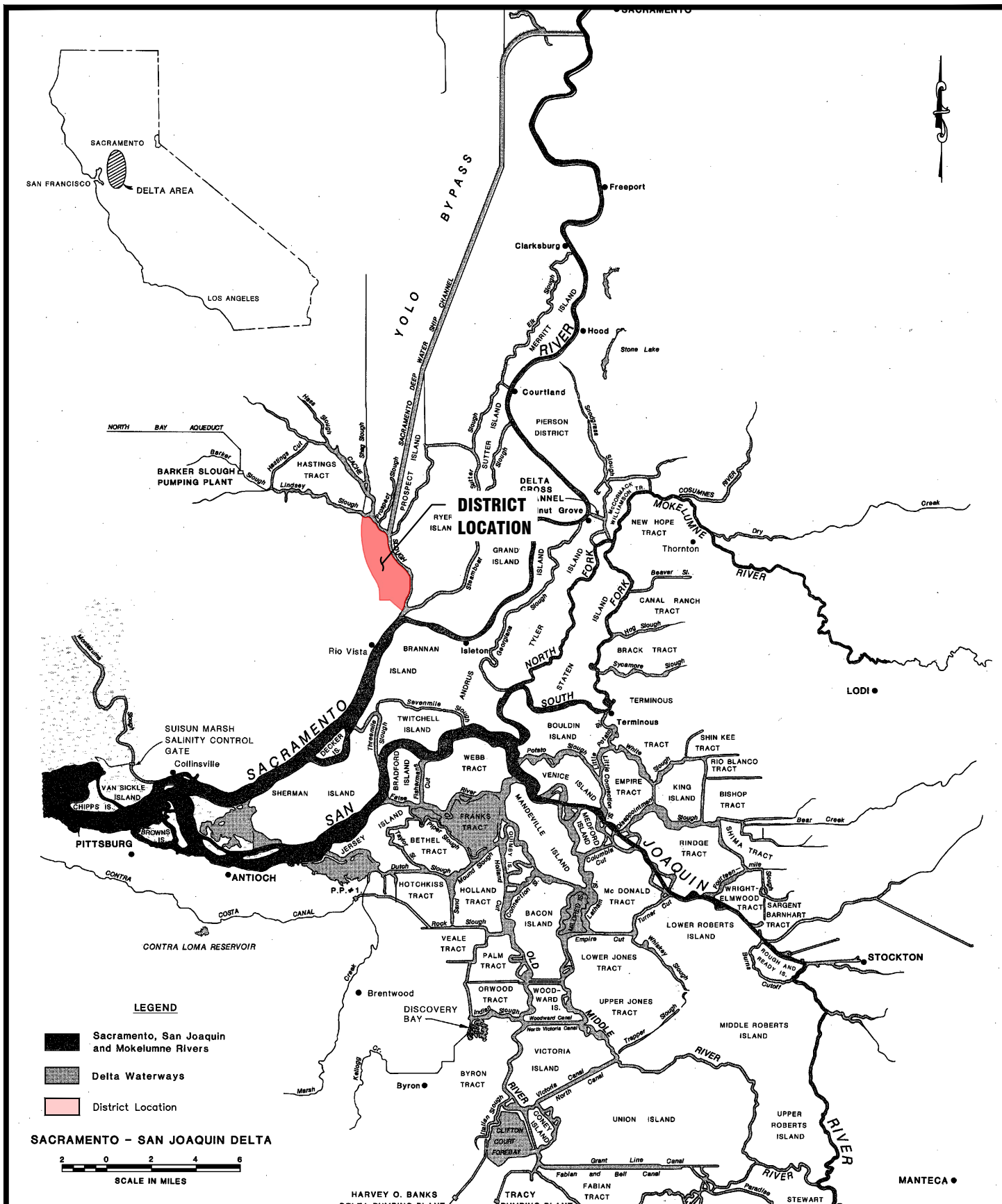
- *Avoid and minimize discharges to water of the United States:* The District will limit the quantity of material placed in the water to the amount that required to address the immediate emergency. The riprap will be placed in the existing levee footprint. Only clean quarry stone will be placed below the HTL. Temporary staging, access, and disposal areas will be located outside the water of the U.S.
- *Avoid and minimize impacts to wildlife species:* To reduce the potential risk of direct disturbance to listed fish species, riprap materials will be placed during low tide and out of the water as much as possible. A fish screen will be installed along the perimeter of the project area to reduce impacts to aquatic species. A 15 mile per hour speed limit will be enforced on access roads to the project site to avoid potential impacts to species on Little Egbert Tract. Prior to construction, a biological monitor will conduct worker environmental awareness program (WEAP) training to discuss the sensitive biological resources present or have the potential to occur during construction and the measures the project must implement to protect these resources. The biological monitor will remain on site during construction to observe whether the avoidance and minimization measures are being followed.
- *Avoid and minimize impacts to plant species:* As described in **Appendix C**, little vegetation left at the project site due to the erosion and previous site repairs. The District will avoid impacts to vegetation on the waterside slope to the extent possible. As described above, a biological monitor will also conduct WEAP training prior to construction.
- *Control dust and debris:* The District will implement a 15 per mile hour speed limit on access roads to the project site to limit dust. A container trash receptacle will be provided so construction crews can properly dispose of trash items, especially food trash items that may attract wildlife onto the project site.
- *Conduct pre-construction surveys:* A qualified biologist will conduct pre-construction surveys for western pond turtle and giant garter snake prior to the start of construction.
- *Implement erosion control best management practices:* The District will implement standard best management practices to minimize soils or sediment from entering the waterway. This will include installing jute and straw wattles or other erosion control materials. The contractor will monitor the erosion control materials for effectiveness and maintain them throughout the repairs.
- *Implement Turbidity best management practices -* As noted above, any increases in turbidity resulting from project activities would be short-term. A turbidity curtain with a fish screen will be installed around the perimeter of the project area. If a turbidity plume is observed in the waterway during project construction, construction will be halted and additional turbidity control measures will be implemented.

Compensation

The District is not proposing nor anticipating any mitigation or compensation requirements.

RD 2084 Emergency Erosion Repair Project
RGP8 Supplemental Information

Appendix A. Project Map and Design Drawings



MBK
ENGINEERS

455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253

**RECLAMATION DISTRICT NO. 2084
LITTLE EGBERT TRACT**

VICINITY MAP

SCALE:	AS NOTED
JOB NUMBER:	4575.1
DRAWN BY:	MB
DATE:	12/18/2023
SHEET:	1 OF 3



LEGEND

PROJECT AREA - STATION 255+60 - 257+00

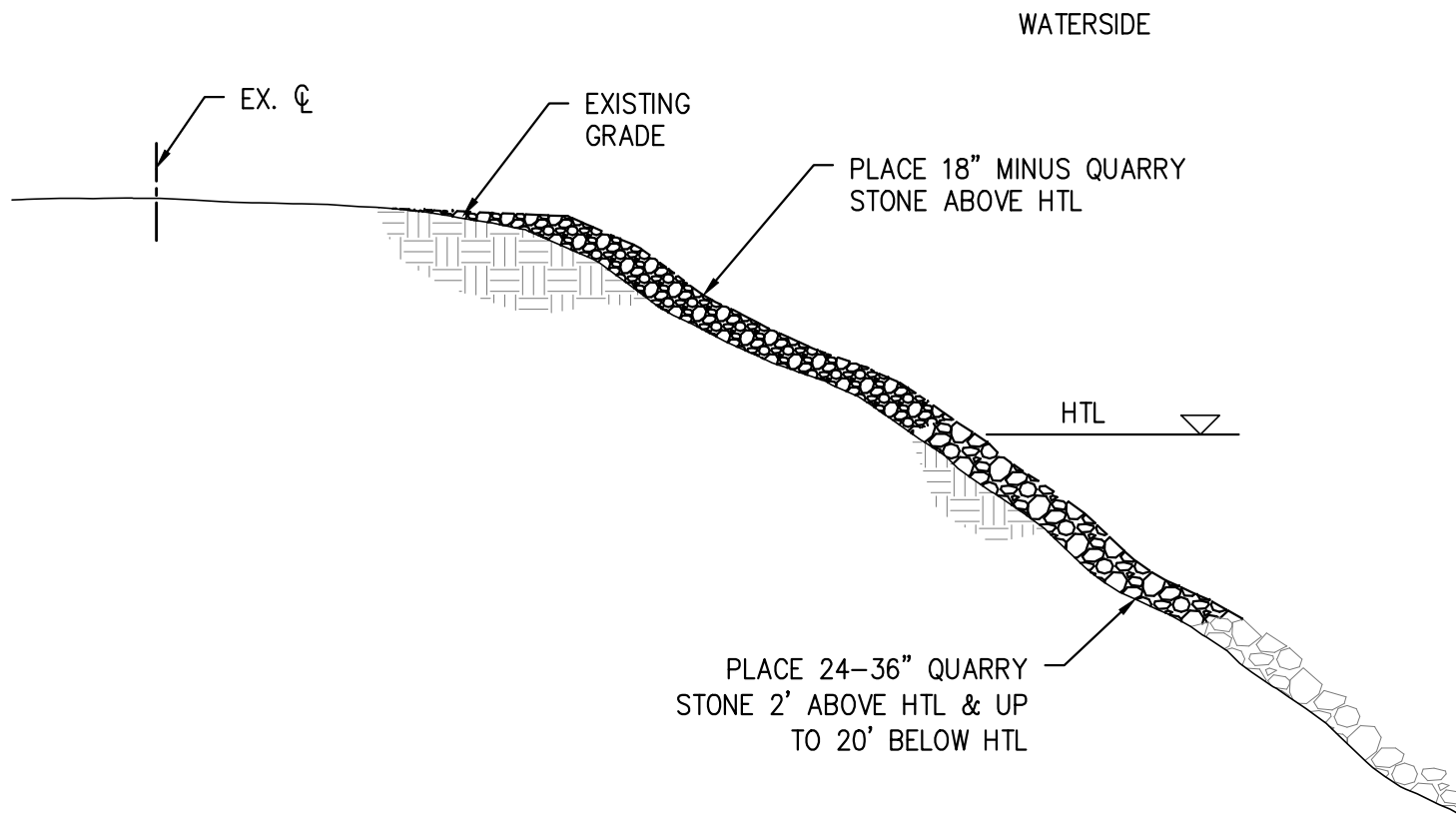
MBK
ENGINEERS

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Phone: (916) 456-4400 • Fax: (916) 456-0253

RECLAMATION DISTRICT NO. 2084
LITTLE EGBERT TRACT

PROJECT AREA MAP

SCALE:	1" = 3,000'
JOB NUMBER:	4575.1
DRAWN BY:	MB
DATE:	12/18/2023
SHEET:	2 OF 3



MBK
ENGINEERS

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Phone: (916) 456-4400 • Fax: (916) 456-0253

RECLAMATION DISTRICT NO. 2084
LITTLE EGBERT TRACT

TYPICAL REPAIR DETAIL

SCALE:	N.T.S
JOB NUMBER:	4575.1
DRAWN BY:	MB
DATE:	12/18//2023
SHEET:	3 OF 3

RD 2084 Emergency Erosion Repair Project
RGP8 Supplemental Information

Appendix B. Photos of Existing Conditions



Station 256+40 – 257+00. Facing west. Dated 11-13-2023



Station 256+40 – 257+00. Facing north. Dated 12-13-2023

RD 2084 Little Egbert Critical Erosion Repair Project – Existing Site Conditions

Photographer /Observer – Michael Moncrief/ Kirsten Pringle





Station 255+50 – 256+20. Facing east. Dated 11-13-2023

RD 2084 Little Egbert Critical Erosion Repair Project – Existing Site Conditions

Photographer /Observer – Michael Moncrief/ Kirsten Pringle



RD 2084 Emergency Erosion Repair Project
RGP8 Supplemental Information

Appendix C. Summary of Existing Biological Conditions



2600 Capitol Avenue
Suite 200
Sacramento, CA 95816
916.564.4500 **phone**
916.564.4501 **fax**

esassoc.com

memorandum

date January 2, 2024

to Michael Moncrief, MBK Engineers
Kirsten Pringle, MBK Engineers

cc May Lau, Environmental Science Associates
Ramona Swenson, Environmental Science Associates

from Joseph Huang, Environmental Science Associates

subject Existing Biological Conditions at the Reclamation District No. 2084 2023 Emergency Erosion Repair Project

Introduction

This technical memorandum documents biological resources for the Reclamation District No. 2084's (District) 2023 Emergency Erosion Repair Project (project) on Little Egbert Tract. The tract is located north of Rio Vista, California, along the western bank of Cache Slough, which flows into the Sacramento River. The interior of the tract consists of agricultural land regularly used by farmers. Little Egbert Tract is protected by a restricted height levee, with a gravel road on the levee crown providing access around the tract.

The project site consists of an approximately 150-foot stretch of the Cache Slough waterside levee slope at the northeastern portion of Little Egbert Tract. The GPS coordinates of this section of levee are 38.232794, -121.677967. The waterside levee slope is protected and stabilized with riprap. The District made previous erosion repairs at the project site in 2021 and 2023. However, the existing revetment has failed and settled down the embankment, leaving a large, unprotected slope that requires repairs before additional failures occur.

The purpose of the project is to repair the eroded waterside bank of the levee. The District will construct a bench at the base of the slope by placing an estimated 350 cubic yards (700 tons) of riprap (24-inch to 36-inch quarry stone) below the high tide line. Once the bench is constructed, approximately 120 cubic yards (230 tons) of 18-inch riprap will be placed on the bench above the high tide line. The goal of the project is to stabilize the levee slope to prevent levee failure and loss of property on the Little Egbert Tract.

Cache Slough is considered waters of the U.S. and waters of the State. Discharge of dredged or fill material into these waters is regulated under Sections 404 and 401 of the Clean Water Act. While the project will not involve equipment or heavy machinery in the water, riprap will be placed below and above the high tide line. The objective of this technical memorandum is to document existing biological conditions, assess the potential for special-status species and protected habitats, and provide recommendations to mitigate potential project impacts to biological resources.

Methodology

Environmental Science Associates (ESA) biologist Joseph Huang met with MBK Engineers staff on December 13, 2023, to survey and assess the existing biological resources within and immediately surrounding the project site. Mr. Huang arrived at the project site at approximately 10:00 a.m. He conducted a visual scan (using 10x42 binoculars) of the area, identified plant and wildlife species observed, and assessed the habitat suitability for special-status species. Representative site photographs are appended to this technical memorandum.

Existing Biological Conditions

During the survey, ESA staff observed a native tree and ruderal plant species within the project site, as well as wildlife species in the project vicinity. There are two native trees located along the waterside levee slope within or just outside the project site. One box elder (*Acer negundo*) is located just south of the site and one white alder (*Alnus rhombifolia*) is located in the northern part of the site. Plant species observed in the general project vicinity include typical ruderal plant species such as Russian thistle (*Salsola tragus*), turkey mullein (*Eremocarpus setigerus*), English plantain (*Plantago lanceolata*), prickly lettuce (*Lactuca serriola*), and shortpod mustard (*Hirschfeldia incana*). Also, coontail (*Ceratophyllum demersum*) was observed on the riprap and in the water near the edge of the levee slope. The presence of the coontail indicates the Cache Slough is fairly shallow where they are growing and there is likely riprap from the previous levee repairs directly below the aquatic weed. Wildlife species observed during the survey include great egret (*Ardea alba*), American kestrel (*Falco sparverius*), red-tailed hawk (*Buteo jamaicensis*), savannah sparrow (*Passerculus sandwichensis*), horned lark (*Eremophila alpestris*), house finch (*Haemorhous mexicanus*), killdeer (*Charadrius vociferus*), gull (*Larus* sp.), and California sea lion (*Zalophus californianus*).

Special-Status Species and Protected Habitats

There are several special-status species with documented presence on Little Egbert Tract and within Cache Slough. Several special-status fish species occur in the surrounding waterways (Cache Slough, Sacramento River). Delta smelt (*Hypomesus transpacificus*) typically occupy open water and spawn February through May (warm years) or June (cool years) (USFWS 2017). Anadromous fish species include Sacramento River winter-run Chinook salmon (*Oncorhynchus tshawytscha*), Central Valley spring-, fall- and late-fall run Chinook salmon, California Central Valley Distinct Population Segment (DPS) steelhead (*Oncorhynchus mykiss*) and Southern DPS steelhead, and North American green sturgeon (*Acipenser medirostris*). Adult and juvenile Chinook may move through the open water areas on their way to and from the ocean (i.e., adult migration and juvenile rearing and emigration). Juvenile outmigration through the Cache Slough region generally occurs January–March for winter-run Chinook and March–May for spring-run and fall-run Chinook (CDFW 2021). Adult delta smelt and green sturgeon generally prefer deeper, open water. Juvenile salmonids may use shallow water habitat (0.6–5 feet deep) for foraging, especially associated with marsh vegetation (Sherman et al., 2017, SFEI 2020).

Western pond turtles (*Actinemys marmorata*) have been documented by ESA during past site visits along the canals on the west side of the Little Egbert Tract and may potentially occur in the vicinity of the project site (ESA 2022).¹ Giant garter snake (*Thamnophis gigas*) has potential to occur in the drainage ditches and canals within

¹ ESA biologists observed western pond turtles in a canal on the west side of the Little Egbert Tract during wildlife hazard assessment surveys conducted from 2020 to 2022. These western pond turtle observations are documented in the datasheets associated with the ESA wildlife hazard assessment report.

and around the tract. However, giant garter snakes do not typically occur in larger waterways such as the Cache Slough because of the high potential for predation by large fish and other aquatic mammals. Nesting birds and raptors, including Swainson's hawk (*Buteo swainsoni*), can potentially nest in the project site and its vicinity. However, construction activities for the project will occur outside of the general February 1 to August 31 bird nesting season; therefore, no impacts are anticipated to nesting birds or raptors. No rare plants were observed on the riprap, and this area has been repaired multiple times in the past with no indication any rare plants have ever occurred in the project site.

The project site is located within U.S. Fish and Wildlife Service's designated critical habitat for Delta smelt, as well as Essential Fish Habitat (EFH) for Chinook salmon (USFWS 2023; NOAA 2023). There are no Habitat Areas of Particular Concern on the project site (NOAA 2023). See **Appendix A** for the EFH Mapper Report.

Recommendations

The only biological resource observed during the survey within the project site and work area is the white alder tree. Previous levee repair efforts have worked around the tree when replacing riprap. The District's engineer will aim to avoid the white alder during project construction. However, it is possible the tree may need to be removed to complete the emergency repairs on the waterside levee slope. The box elder to the south will not be impacted by construction. No other vegetation will be impacted by the project because all heavy equipment and vehicles will access the project site by operating and driving on the existing gravel road or via barge in Cache Slough. A pre-construction nesting bird survey is not recommended because construction is occurring outside the avian nesting season.

The following avoidance and minimization measures (AMMs) and best management practices (BMPs) are recommended for the protection of biological resources and to minimize turbidity:

- All in-water work will be conducted during low tide, when possible, to minimize impacts to aquatic wildlife species.
- To the extent feasible, avoid impacts to native trees.
- To prevent impacts to special-status fish species, install a turbidity curtain with a fish screen along the edge of the riprap to prevent fish from getting close to the project site and contain sediment.
- Conduct pre-construction surveys by a qualified biologist for western pond turtle and giant garter snake prior to the start of construction to ensure these species will not be impacted by project activities.
- Provide worker environmental awareness program training by a biological monitor to discuss the sensitive biological resources present or having the potential to occur during construction, and the measures the project must implement to protect the resources. The biological monitor should be present during construction to document compliance with all AMMs and BMPs.
- Enforce a 15 mile per hour speed limit driving to and from the project site to prevent driving over any wildlife species and control for dust along the levee road.
- Provide a closed-container trash receptacle so crews can properly dispose of trash items, especially food trash items that may attract wildlife onto the project site.
- Stay within the project site and the levee road and minimize ground disturbance to only what is necessary for construction of the emergency levee repairs.

Please let us know if you have any questions regarding the existing biological conditions and biological resources discussed in this report. You may contact May Lau at mlau@esassoc.com with any questions or concerns.

References

- California Department of Fish and Wildlife (CDFW). 2021. 2021. Bay Delta Studies and Surveys. Available: <https://www.dfg.ca.gov/delta/data/>. Accessed: June 25, 2021.
- San Francisco Estuary Institute (SFEI). 2020. Identifying Suitable Rearing Habitat for Chinook Salmon in the Sacramento San Joaquin Delta. Publication #972, San Francisco Estuary Institute, Richmond, CA.
- Sherman, S., R. Hartman, and D. Contreras, editors. 2017. Effects of Tidal Wetland Restoration on Fish: A Suite of Conceptual Models. IEP Technical Report 91. Department of Water Resources, Sacramento, California.
- National Oceanic and Atmospheric Administration (NOAA) Fisheries. 2023. Essential Fish Habitat Mapper. <https://www.habitat.noaa.gov/apps/efhmapper/efhreport/>. Accessed on December 29, 2023.
- United States Fish and Wildlife Service (USFWS). 2017. Biological Opinion for the California WaterFix. Service File No. 08FBDT00-2016-F-0247. June 23, 2017. San Francisco Bay-Delta Fish and Wildlife Office. Sacramento, CA.
- _____. 2023. Critical Habitat for Threatened and Endangered Species. <https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>. Accessed on December 29, 2023.

Representative Photographs



Photograph 1: View of project site looking south.



Photograph 2: View of white alder that may need to be removed.



Photograph 3: Closeup view of the white alder in the riprap where previous repairs had to work around.



Photograph 4: View of riprap stored near previously repaired erosion area in case additional riprap needed to be placed in repair area.



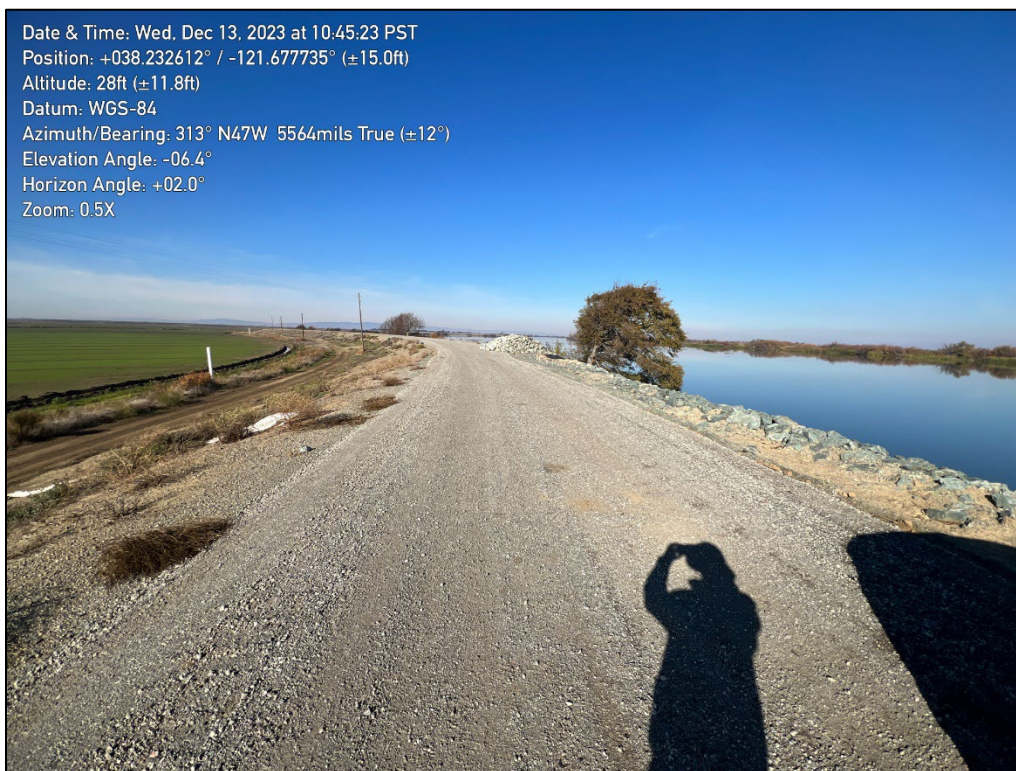
Photograph 5: View looking south at eroded riprap.



Photograph 6: View looking north at eroded riprap.



Photograph 7: View of box elder in riprap just south of the project site.



Photograph 8: View of gravel access road along Little Egbert Tract levee to access the project site, looking north.



Photograph 9: View of gravel access road along Little Egbert Tract levee to access the project site, looking south.

Appendix A

EFH Mapper Report

EFH Mapper Report

EFH Data Notice

Essential Fish Habitat (EFH) is defined by textual descriptions contained in the fishery management plans developed by the regional fishery management councils. In most cases mapping data can not fully represent the complexity of the habitats that make up EFH. This report should be used for general interest queries only and should not be interpreted as a definitive evaluation of EFH at this location. A location-specific evaluation of EFH for any official purposes must be performed by a regional expert. Please refer to the following links for the appropriate regional resources.

[West Coast Regional Office](#)

Query Results

Degrees, Minutes, Seconds: Latitude = 38° 13' 59" N, Longitude = 122° 19' 19" W

Decimal Degrees: Latitude = 38.233, Longitude = -121.678

The query location intersects with spatial data representing EFH and/or HAPCs for the following species/management units.

EFH

No additional Essential Fish Habitats (EFH) were identified at the report location.

Pacific Salmon EFH

Link	HUC Name	Species/Management Unit	Lifestage(s) Found at Location	Management Council	FMP
	Lower Sacramento	Chinook Salmon	All	Pacific	Pacific Coast Salmon Plan

Atlantic Salmon

No Atlantic Salmon were identified at the report location.

HAPCs

No Habitat Areas of Particular Concern (HAPC) were identified at the report location.

EFH Areas Protected from Fishing

No EFH Areas Protected from Fishing (EFHA) were identified at the report location.

Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data.

****For links to all EFH text descriptions see the complete data inventory: [open data inventory -->](#)**

Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data.

****For links to all EFH text descriptions see the complete data inventory: [open data inventory -->](#)**

Pacific Coastal Pelagic Species,

Jack Mackerel,

Pacific (Chub) Mackerel,

Pacific Sardine,

Northern Anchovy - Central Subpopulation,

Northern Anchovy - Northern Subpopulation,

Pacific Highly Migratory Species,

Bigeye Thresher Shark - North Pacific,

Bluefin Tuna - Pacific,

Dolphinfish (Dorado or Mahimahi) - Pacific,

Pelagic Thresher Shark - North Pacific,

Swordfish - North Pacific

ENCLOSURE 4

AGENDA ITEM 8.a



FINANCIAL MANAGER'S REPORT

Reclamation District 2084 Board of Directors

As of December 27, 2023

Paid Invoices	Invoices Pending	Total Invoiced
\$208,493.77	\$18,345.90	\$226,839.67

Current Budget	Less Invoice total	Budget Balance
\$626,079.00	\$226,839.67	\$399,239.33
Revenue Balance	Less Invoice total	Project Balance
\$268,266.00	\$226,839.67	\$41,426.33

Action Item

Informational Only.

Revenue	Vendor	Invoice #	Date	Amount
---------	--------	-----------	------	--------

Expenses	Vendor	Invoice #	Date	Amount
1	Downey Brand LLP	593612	11/27/2023	154.50
2	MAYACO	19039	12/01/2023	360.00
3	PG&E	120723	12/07/2023	2,008.14
4	LWA	1912000-1023	11/30/2023	7,618.26
5	LWA	1912000-1123	12/18/2023	6,705.00
6	Richard Harris	016-22023	12/13/2023	1,500.00

Fiscal Impact

District Invoices # 1-6 were reviewed and found to be consistent with the contract and within budget. The total invoiced amount approved between November 29 and December 27 is \$18,345.90

RECLAMATION DISTRICT 2084

Fiscal Year (FY) 2023-2024 (July 1st - June 30th)

		Adopted - Do Not Change				
REVENUES (Funds 100 and 200)		Initial Budget	Revenues YTD	Current Receipts	Total Revenues	Remaining Budget
100100	Balance in Account (Carryover from 22/23) ^[4]	\$ 20,000.00	\$ 31,439.00	\$ -	\$ 31,439.00	\$ (11,439.00)
100101A	Assessment to Landowner	\$ 351,704.00	\$ 160,000.00	\$ -	\$ 160,000.00	\$ 191,704.00
100102	Five-Year Plan Funding	\$ -	\$ -	\$ -	\$ -	\$ -
100103	Levee Subventions Program ^[1]	\$ 204,375.00	\$ 76,827.00	\$ -	\$ 76,827.00	\$ 127,548.00
100104	FEMA Emergency Funds	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00
TOTAL REVENUES (Funds 100 and 200)		\$ 626,079.00	\$ 268,266.00	\$ -	\$ 268,266.00	\$ 357,813.00

GO&A EXPENSES (Fund 100)		Initial Budget	Prior Expenses	Current Expenses	Total Expenses	Remaining Budget
Personnel:						
100201	President/Trustees/Officers	\$ -	\$ -	\$ -	\$ -	\$ -
100202	Support Staff	\$ -	\$ -	\$ -	\$ -	\$ -
100203	LEJPA Special Representative	\$ 18,000.00	\$ 9,000.00	\$ 1,500.00	\$ 10,500.00	\$ 7,500.00
100204	Board Member Compensation ^[3]	\$ 9,600.00	\$ 1,496.96	\$ -	\$ 1,496.96	\$ 8,103.04
Subtotal Personnel		\$ 27,600.00	\$ 10,496.96	\$ 1,500.00	\$ 11,996.96	\$ 15,603.04

Administrative Contract Services:						
100301	Administrative Support	\$ 70,800.00	\$ 39,383.05	\$ 14,323.26	\$ 53,706.31	\$ 17,093.69
100302	Legal Support	\$ 5,400.00	\$ -	\$ 154.50	\$ 154.50	\$ 5,245.50
100303a	Engineering Support	\$ -	\$ -	\$ -	\$ -	\$ -
100303b	Engineering Support - Subventions ^[2]	\$ 50,000.00	\$ 42,849.83	\$ -	\$ 42,849.83	\$ 7,150.17
100304	Accounting	\$ 7,500.00	\$ -	\$ -	\$ -	\$ 7,500.00
100308	Five Year Plan Development	\$ 600.00	\$ -	\$ -	\$ -	\$ 600.00
Subtotal Administrative Contract Services		\$ 134,300.00	\$ 82,232.88	\$ 14,477.76	\$ 96,710.64	\$ 37,589.36

Services and Supplies (Excluding Consultant Expenses):						
100502	PO Box Renewal	\$ 225.00	\$ 244.00	\$ -	\$ 244.00	\$ (19.00)
100505	Website & Hosting	\$ 390.00	\$ -	\$ 360.00	\$ 360.00	\$ 30.00
100508c	CCVFCA - Dues	\$ 1,145.00	\$ -	\$ -	\$ -	\$ 1,145.00
100510	Liability Insurance	\$ 7,000.00	\$ -	\$ -	\$ -	\$ 7,000.00
100512	Bank Service Charges	\$ 5.00	\$ -	\$ -	\$ -	\$ 5.00
100513	CA SWRCB Annual Fee	\$ 400.00	\$ -	\$ -	\$ -	\$ 400.00
Subtotal Services / Supplies		\$ 9,165.00	\$ 244.00	\$ 360.00	\$ 604.00	\$ 8,561.00

TOTAL GO&A EXPENSES (Fund 100):		\$ 171,065.00	\$ 92,973.84	\$ 16,337.76	\$ 109,311.60	\$ 61,753.40
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O&M EXPENSES (Fund 200):						
200200	Levee Slope/Bench Mowing ^[2]	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
200201	Rodent Control ^[2]	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
200202	Levee Top & Access Road Maintenance ^[2]	\$ 75,000.00	\$ -	\$ -	\$ -	\$ 75,000.00
200203	Drainage Channel Clearing	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
200204	Pump Station O&M	\$ 4,200.00	\$ -	\$ -	\$ -	\$ 4,200.00
200205	Electrical Power	\$ 41,250.00	\$ 14,052.95	\$ 2,008.14	\$ 16,061.09	\$ 25,188.91
200206	Misc. Supplies (pump oil, etc.)	\$ -	\$ -	\$ -	\$ -	\$ -
200207	General Maintenance ^[2]	\$ -	\$ -	\$ -	\$ -	\$ -
200208	Misc. O&M	\$ 2,000.00	\$ -	\$ -	\$ -	\$ 2,000.00
200209	Brush Removal/Herbicide ^[2]	\$ 50,000.00	\$ 9,200.00	\$ -	\$ 9,200.00	\$ 40,800.00
200210	Emergency Monitoring/Gaging and Response ^[2]	\$ 2,500.00	\$ -	\$ -	\$ -	\$ 2,500.00
200211	Environmental Permits	\$ -	\$ -	\$ -	\$ -	\$ -
200212	Waterside Slope Maintenance ^[2]	\$ 125,000.00	\$ -	\$ -	\$ -	\$ 125,000.00
200213	WSM - Design & Permitting ^[2]	\$ 75,000.00	\$ -	\$ -	\$ -	\$ 75,000.00
200214	Remove or Modify Encroachments ^[2]	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00
TOTAL O&M EXPENSES (Fund 200):		\$ 424,950.00	\$ 23,252.95	\$ 2,008.14	\$ 25,261.09	\$ 399,688.91

EMERGENCY RESPONSE EXPENSES (Fund 400):						
400204	Pump Station O&M	\$ 5,690.00	\$ 27,841.39	\$ -	\$ 27,841.39	\$ (22,151.39)
400205	Electrical Power	\$ 21,911.00	\$ -	\$ -	\$ -	\$ 21,911.00
400206	Misc. Supplies (pump oil, etc.)	\$ -	\$ -	\$ -	\$ -	\$ -
400207	General Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
400210	Emergency Monitoring/Gaging and Response	\$ 2,463.00	\$ 64,425.59	\$ -	\$ 64,425.59	\$ (61,962.59)
TOTAL EMERGENCY RESPONSE EXPENSES (Funds 400):		\$ 30,064.00	\$ 92,266.98	\$ -	\$ 92,266.98	\$ (62,202.98)
TOTAL AGENCY EXPENSES (Funds 100 200 and 400):		\$ 626,079.00	\$ 208,493.77	\$ 18,345.90	\$ 226,839.67	\$ 399,239.33

		Total Expenses YTD	Revenue less Expenses	Budget less Expenses	
		\$ 226,839.67	\$ 41,426.33	\$ 399,239.33	
		Revenues Received	Budget Remaining		
100101A	Landowner Contributions (Revenue)	\$ 800,000.00	\$ 160,000.00	\$ 640,000.00	
100311	Member Agency Assessment (LEJPA)	\$ 800,000.00	\$ 90,000.00	\$ 710,000.00	

[1] RD 2084 will be eligible for subvention funding for FY 23-24 expenses. State Reimbursements are assumed to occur in June of the following fiscal year.

[2] Expenses assumed eligible for State Subventions funding. Based on conversation with MBK.

[3] Includes expense reimbursements for RD2084 and LEJPA activities.

[4] Account includes carryover general funds and Subvention reimbursement from 22/23 costs.

[5] 400000 Series expenses anticipated to be 100% reimbursable by FEMA under DR-4683

ENGINEER'S BUDGET-AMENDMENT REPORT

Fiscal Year (FY) 2023-2024 (July 1st - June 30th)
Engineer's Line Items Highlighted in Yellow

			Initial Adopted Budget	Mid-Year Amended Budget	Total Revenues	Remaining Budget Initial Adopted	Remaining Budget Mid-Year Amended
REVENUES (Funds 100 and 200)							
100100	Balance in Account (Carryover from 22/23)	^[4]	\$ 20,000.00	\$ 31,439.00	\$ 31,439.00	\$ (11,439.00)	\$ -
100101A	Assessment to Landowner		\$ 351,704.00	\$ 521,053.00	\$ 160,000.00	\$ 191,704.00	\$ 361,053.00
100102	Five-Year Plan Funding		\$ -	\$ -	\$ -	\$ -	\$ -
100103	Levee Subventions Program	^[1]	\$ 204,375.00	\$ 76,827.00	\$ 76,827.00	\$ 127,548.00	\$ -
100104	FEMA Emergency Funds		\$ 50,000.00	\$ 101,760.00	\$ -	\$ 50,000.00	\$ 101,760.00
TOTAL REVENUES (Funds 100 and 200)			\$ 626,079.00	\$ 731,079.00	\$ 268,266.00	\$ 357,813.00	\$ 462,813.00

GO&A EXPENSES (Fund 100)

			Initial Budget	Mid-Year Amended Budget	Total Expenses	Remaining Budget Initial Adopted	Remaining Budget Mid-Year Amended
Personnel:							
100201	President/Trustees/Officers		\$ -	\$ -	\$ -	\$ -	\$ -
100202	Support Staff		\$ -	\$ -	\$ -	\$ -	\$ -
100203	LEJPA Special Representative		\$ 18,000.00	\$ 18,000.00	\$ 10,500.00	\$ 7,500.00	\$ 7,500.00
100204	Board Member Compensation	^[5]	\$ 9,600.00	\$ 9,600.00	\$ 1,496.96	\$ 8,103.04	\$ 8,103.04
Subtotal Personnel			\$ 27,600.00	\$ 27,600.00	\$ 11,996.96	\$ 15,603.04	\$ 15,603.04
Administrative Contract Services:							
100301	Administrative Support		\$ 70,800.00	\$ 70,800.00	\$ 53,706.31	\$ 17,093.69	\$ 17,093.69
100302	Legal Support		\$ 5,400.00	\$ 5,400.00	\$ 154.50	\$ 5,245.50	\$ 5,245.50
100303a	Engineering Support		\$ -	\$ -	\$ -	\$ -	\$ -
100303b	Engineering Support - Subventions	^[2]	\$ 50,000.00	\$ 100,000.00	\$ 42,849.83	\$ 7,150.17	\$ 57,150.17
100304	Accounting		\$ 7,500.00	\$ 7,500.00	\$ -	\$ 7,500.00	\$ 7,500.00
100308	Five Year Plan Development		\$ 600.00	\$ 600.00	\$ -	\$ 600.00	\$ 600.00
Subtotal Administrative Contract Services			\$ 134,300.00	\$ 184,300.00	\$ 96,710.64	\$ 37,589.36	\$ 87,589.36
Services and Supplies (Excluding Consultant Expenses):							
100502	PO Box Renewal		\$ 225.00	\$ 225.00	\$ 244.00	\$ (19.00)	\$ (19.00)
100505	Website & Hosting		\$ 390.00	\$ 390.00	\$ 360.00	\$ 30.00	\$ 30.00
100508c	CCVFCA - Dues		\$ 1,145.00	\$ 1,145.00	\$ -	\$ 1,145.00	\$ 1,145.00
100510	Liability Insurance		\$ 7,000.00	\$ 7,000.00	\$ -	\$ 7,000.00	\$ 7,000.00
100512	Bank Service Charges		\$ 5.00	\$ 5.00	\$ -	\$ 5.00	\$ 5.00
100513	CA SWRCB Annual Fee		\$ 400.00	\$ 400.00	\$ -	\$ 400.00	\$ 400.00
Subtotal Services / Supplies			\$ 9,165.00	\$ 9,165.00	\$ 604.00	\$ 8,561.00	\$ 8,561.00
TOTAL GO&A EXPENSES (Fund 100):			\$ 171,065.00	\$ 221,065.00	\$ 109,311.60	\$ 61,753.40	\$ 111,753.40

O&M EXPENSES (Fund 200):

200200	Levee Slope/Bench Mowing	^[2]	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 10,000.00
200201	Rodent Control	^[2]	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 10,000.00
200202	Levee Top & Access Road Maintenance	^[2]	\$ 75,000.00	\$ 50,000.00	\$ -	\$ 75,000.00	\$ 50,000.00
200203	Drainage Channel Clearing		\$ 5,000.00	\$ 5,000.00	\$ -	\$ 5,000.00	\$ 5,000.00
200204	Pump Station O&M		\$ 4,200.00	\$ 4,200.00	\$ -	\$ 4,200.00	\$ 4,200.00
200205	Electrical Power		\$ 41,250.00	\$ 41,250.00	\$ 16,061.09	\$ 25,188.91	\$ 25,188.91
200206	Misc. Supplies (pump oil, etc.)		\$ -	\$ -	\$ -	\$ -	\$ -
200207	General Maintenance	^[2]	\$ -	\$ -	\$ -	\$ -	\$ -
200208	Misc. O&M		\$ 2,000.00	\$ 2,000.00	\$ -	\$ 2,000.00	\$ 2,000.00
200209	Brush Removal/Herbicide	^[2]	\$ 50,000.00	\$ 25,000.00	\$ 9,200.00	\$ 40,800.00	\$ 15,800.00
200210	Emergency Monitoring/Gaging and Response	^[2]	\$ 2,500.00	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 2,500.00
200211	Environmental Permits		\$ -	\$ -	\$ -	\$ -	\$ -
200212	Waterside Slope Maintenance	^[2]	\$ 125,000.00	\$ 250,000.00	\$ -	\$ 125,000.00	\$ 250,000.00
200213	WSM - Design & Permitting	^[2]	\$ 75,000.00	\$ 50,000.00	\$ -	\$ 75,000.00	\$ 50,000.00
200214	Remove or Modify Encroachments	^[2]	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ -
new	Seepage Repair		\$ -	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00
TOTAL O&M EXPENSES (Fund 200):			\$ 424,950.00	\$ 479,950.00	\$ 25,261.09	\$ 399,688.91	\$ 454,688.91

EMERGENCY RESPONSE EXPENSES (Fund 400):

400204	Pump Station O&M		\$ 5,690.00	\$ 5,690.00	\$ 27,841.39	\$ (22,151.39)	\$ (22,151.39)
400205	Electrical Power		\$ 21,911.00	\$ 21,911.00	\$ -	\$ 21,911.00	\$ 21,911.00
400206	Misc. Supplies (pump oil, etc.)		\$ -	\$ -	\$ -	\$ -	\$ -
400207	General Maintenance		\$ -	\$ -	\$ -	\$ -	\$ -
400210	Emergency Monitoring/Gaging and Response		\$ 2,463.00	\$ 2,463.00	\$ 64,425.59	\$ (61,962.59)	\$ (61,962.59)
TOTAL EMERGENCY RESPONSE EXPENSES (Funds 400):			\$ 30,064.00	\$ 30,064.00	\$ 92,266.98	\$ (62,202.98)	\$ (62,202.98)
TOTAL AGENCY EXPENSES (Funds 100 200 and 400):			\$ 626,079.00	\$ 731,079.00	\$ 226,839.67	\$ 399,239.33	\$ 504,239.33

[1] RD 2084 will be eligible for subvention funding for FY 23-24 expenses. State Reimbursements are assumed to occur in June of the following fiscal year.
[2] Expenses assumed eligible for State Subventions funding. Based on conversation with MBK.
[3] Includes expense reimbursements for RD2084 and LEJPA activities.
[4] Account includes carryover general funds and Subvention reimbursement from 22/23 costs.
[5] 400000 Series expenses anticipated to be 100% reimbursable by FEMA under DR-4683