

Bradford Reclamation District 2059

(Bradford Island)



2022-2023

Final Subventions Claim

Bradford Reclamation District 2059

(Bradford Island)



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Bradford Reclamation District 2059

PO Box 1059 Oakley, CA 94561

Cell: 925-209-5480

www.bradfordisland.com

angelia_bradford@sbcglobal.net

Reclamation Board Members: Chairman Robert Davies

Trustees: Smith Cunningham, William Hall, Kevin Finta and Charles Louie

April 1, 2022

Andrea L. Lobato, P.E., Manager
Delta Levee Program
Department of Water Resources
P.O. Box 219000
Sacramento, CA 95821-9000

Subject: Delta Levee Maintenance Subventions Program Applications for FY 2022-2023

Dear Ms. Lobato:

Bradford Reclamation District 2059 (District) is submitting the Department of Water Resources Subventions Program Application for FY 2022-2023. The District has been participated in the Subventions Program for many years and will continue to do so. The operations and maintenance reimbursement and special projects programs are essential for the District to provide the necessary flood protection for home and property owners on Bradford Island.

The District looks forward to working with the Department of Water Resources and the Department of Fish and Wildlife on this critical program.

If you have any questions, please do not hesitate to call me at 916-769-3243, President Robert Davies at 925-766-5074, or Office Manager Angelia Tant at 925-209-5480.

Sincerely,

Blake Johnson, PE
District Engineer for Bradford Rec. Dist. 2059

CC: Angelia Tant, Office Manager RD2059
Sandi Maxwell, DWR
Jim Starr, Supervisor, DFW



Bradford Reclamation District No. 2059

PO Box 1059 Oakley, CA 94561

Phone: 925-209-5480

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April 1, 2022

2022-2023 Annual Levee Subventions Program

SECTION I – GENERAL SUBVENTIONS APPLICATION

1. GENERAL

- A. The Board of Trustees of Reclamation District No. 2059 (District) has authorized the filing of an Application for participation in the State of California Department of Water Resources' (DWR) Subventions Program for fiscal year 2022-2023.
- B. Upon approval, the Board of Trustees of Reclamation District No. 2059 will execute, sign, and enter into an Agreement with DWR for financial assistance to perform maintenance and rehabilitation work in accordance with the provisions and criteria set forth in the Agreement.
- C. The District will provide the DWR with a certified resolution authorizing the execution and signature of the above Agreement.
- D. The District will submit to DWR a method of assessment, assessed value, local agency tax rate for flood control, bonded indebtedness for flood control, and a summary of unpaid warrants for flood control work and/or the most recent audited financial report including the above mentioned items.

2. DISTRICT INFORMATION

- A. The non-project levee system surrounding Bradford Island is under the jurisdiction of Reclamation District No. 2059. The District will continue to perform levee maintenance and rehabilitation work in accordance with established standards, provisions, and criteria.
- B. RD 2059 is in the County of Contra Costa.
- C. Bradford Island is surrounded by the San Joaquin River, the False River, and Fisherman's Cut.
- D.

Total Acreage Protected by Levees:	2,000 Acres
Non-Project Levee Miles:	7.4 Miles
Project Levee Miles:	0.0 Miles
- E. The primary land use of the area protected by the levee system is agricultural.
- F. Approximately 40 people inhabit Reclamation District No. 2059. Anywhere from 10 to 15 people live on the island full time.

- G. The District levies a special assessment each year to fund levee maintenance, rehabilitation, and environmental requirements related to those lands or rights-of-way within the District's jurisdiction. This special assessment is a direct levy allocated amongst the various property owners.

3. WORK DESCRIPTION

A. Project Description:

1. An 8.5" x 11" base map has been developed for the District using Aerial photography with a scale of 1"=2000' and levee stationing.
2. The District also performs rehabilitation work under Special Project work agreements with the DWR.
3. Maintenance Work
 - a. Description of Work – Refer to *Section I, Subsection 6, Annual Routine Levee Maintenance*.
 - b. Budget Cost of Annual Routine Levee Maintenance Work: \$148,000 – Refer to *item 7A. Annual Routine Levee Maintenance*.
4. Rehabilitation Work
 - a. Description of Work – Refer to *Section I, Subsection 6, Levee Rehabilitation Plans*
 - b. Drawings – No specific plans or project sites have been developed or authorized by the District at this time.
 - c. Budget Cost of Proposed Work (Item B. Levee Rehabilitation): \$1,685,000 – Refer to *Item 7B*.
 - d. Environmental and Mitigation: \$70,000 – Refer to *Item 7C*.
 - e. Total Application Amount: \$1,948,000.

4. LONG RANGE PLANS

- A. The District's long-range rehabilitation plans consist of maintaining compliance with the Hazard Mitigation Plan (HMP) required by FEMA for future disaster assistance.

- B. The District's long range design standards and plans for the levee system under their jurisdiction:

Crown Width	=	20 Feet
Crown Elevation	=	9.0 Feet (U.S.G.S. Datum)
Base Flood Elevation	=	6.4 Feet (U.S.G.S. Datum)
Waterside Slope	=	1.5 Horiz. To 1 Vert (1.5:1)
Landside Slope	=	5 Horiz. To 1 Vert. (4:1)

- E. The District plans to continue maintenance of its levee system to comply with HMP and State standards and requirements for maintenance and rehabilitation. The District will also conduct levee inspections and engineering surveys to keep abreast of subsidence, erosion, slip outs, and seepage along the levee section. In addition, periodic waterside

levee slope inspections will be conducted at low tides to monitor existing conditions and riprap protection. Necessary repairs will be scheduled accordingly.

- F. Environmental long range plans and goals consist of continued compliance with the requirements set forth under AB 360.

- G. The District has determined that the long-range levee maintenance and rehabilitation work and plans fall within the classes of projects which have been declared categorically exempt from the provisions of CEQA.

5. ANNUAL ROUTINE LEVEE MAINTENANCE

A. General

1. The annual routine and regular maintenance of levees under the District's jurisdiction will consist of continuing with regularly planned and scheduled maintenance activities.
2. The District's planned and budgeted activities and work items may require adjustment, elimination, increase, or decrease of certain line items in response to any or all of the following circumstances:
 - Unforeseen levee site conditions.
 - Changes in State and Federal standards and regulations.
 - Changes in levee maintenance and rehabilitation requirements, and/or
 - Environmental Programs.
 - District budget/cash flow constraints.
3. Maintenance activities are performed district wide on an as needed basis and in accordance with the District's "Agreement for Annual Routine Levee Maintenance" as required by DFG Code Section 1601. The District will notify the Subventions Program Staff in advance of activities that will impact overall habitat values.

B. Maintenance Activities

1. Levee Inspection – Routine and joint levee inspections to check on maintenance activities, discover any changes in levee conditions, and report conditions that need repairs or further engineering investigations.
2. Rodent Control – Extermination of burrowing rodents and filling of burrows with compacted material, as needed. No filling of burrows in burrowing owl areas, as designated by DFG, shall take place during the period of March 15 through August 15, with the exception of the filling of beaver and muskrat dens near the waterline. Application of County permitted and restricted bait materials or any other approved method of rodent eradication, in accordance with labeled instructions and regulations.
3. Shaping Levee Crown to Drain Freely – As needed the levee crown will be maintained to have a uniform shape, which will drain water equally throughout the surface without allowing pocketing or excess runoff locations.

Repair and Grade Patrol/Access Roads and Ramps – Repair, grade, and shape levee crown, as needed. Levee patrol road areas may require placement of road surfacing for wet weather accessibility. Work will be performed in a manner that will keep dust to a minimum and prevent siltation into the adjacent waterways.
4. Repair Minor Slipouts, Erosion, or Subsidence of the Levee Section – Repair of active levee slip outs, erosion, rodent burrows, subsidence, or other site specific conditions that threaten the safety and stability of the levee, as determined by engineering investigations. Levee cavities that require considerable slope

rebuilding will be backfilled with clean earthen materials and compacted. All repair sites will be covered with clean quarry stone riprap or other suitable revetment materials. All site repairs that are contracted out and exceed the lengths set forth in the District's DFG Annual Routine Maintenance Permit Agreement will be applied for under a separate "Site Specific" DFG 1601 Agreement.

5. Removal of Drift Deposits and Debris from Levee and Berm – Removal of flood deposited woody or herbaceous vegetation and associated debris to alleviate significantly reduced channel capacities, threatened levee safety, and liability to the District and the public.
6. Seepage/Boil Control – Repair of active seeps where necessary to maintain levee safety and structural integrity.
7. Cleaning Drains and Toe Ditches Adjacent to the Landside Levee Toe – Cleaning of toe ditches, as needed, when they become ineffective and/or clogged, preventing proper levee seepage and drainage and impairing levee safety.
8. Vegetation Control – Continuation of annual weed/vegetation/*Arundo donax* (bamboo) control on the levee crown and slopes in accordance with County, State, and federal requirements. Controlling vegetation on the levee slopes shall include applying permitted herbicides, and cutting or trimming vegetative growth such as weeds, brush, berry vines, and trees to the extent necessary to inspect and maintain the levee.
9. Repairing or Restoring Waterside Slope Protection – Repair/restoration of existing waterside slope protection is an ongoing project along levee slopes that are subjected to considerable boat activity, wind and wave wash, and degradation by rodents. Repairs are determined by routine levee inspections and detailed engineering investigations. The repair/restoration may require slope rebuilding with clean embankment materials, compacted in place and covered with clean quarry stone riprap or other suitable revetment materials to maintain levee stability.
10. Flood Emergency Planning and Preparation – Activities shall be performed as needed.
11. Removing or Modifying Encroachments – Encroachments, which do not meet State standards, endanger levee safety, or interfere with levee maintenance and road access, will be removed or modified. Existing encroachments (e.g., discharge pipes, siphons, slide/flap/tide gates, weirs, drop structures, or other existing water control devices) are scheduled to be cleaned, repaired, raised, modified, and/or replaced as needed for operation and levee safety.
12. Levee Profiles, Cross Sections, and Other Surveys – Engineering and surveying services will be performed as needed.
13. Other levee and underwater surveys (scour investigations).
14. Engineering Services and Bradford Island Subventions Program Management. Provide engineering services and management as needed including DWR mandated labor compliance program.
15. Miscellaneous items – gates, guard rails and traffic control.

6. LEVEE REHABILITATION PLANS

- A. Though no levee rehabilitation work has not been formally presented, the District has several locations that could be rehabilitated if funding were available. The District has two low spots on the north side of the island that needs to be raised on average three feet. Due to high water in the San Joaquin River, additional rock slope protection is needed along the western side of the island.
- B. Site Specific engineering plans and work will be coordinated with the appropriate agencies, including the Bradford Island Subventions Program Staff, following authorization for the work by the District and prior to commencement of the work.
- C. All engineering plans will be prepared and signed by a Civil Engineer licensed by the California Board for Professional Engineers, Land Surveyors, and Geologists.
- D. The District will comply with the Department of Industrial Relations (DIR) for public works projects. All contractors awarded public works contracts from the District shall be registered with DIR.

7. Maintenance and Rehabilitation Budget Bradford Island

Reclamation District 2059

Subventions Application Budget Fiscal Year 2022-2023



A. ANNUAL ROUTINE LEVEE MAINTENANCE

1	Routine Levee Maintenance Inspection	\$20,000	14%
2	Rodent Control & Filling Borrows	\$5,000	3%
3	Repair and Grading of Levee Patrol Roads, Acc Roads & Ramps	\$13,000	9%
4	Repair of Minor Slipouts and Erosion Repairs	\$30,000	20%
5	Removing Drift Deposits/Debris from Levee and Berm	\$8,000	5%
6	Control of Seepage/Boils	\$5,000	3%
7	Cleaning Drains & Toe Ditches Adjacent to Landside Levee Toe	\$0	0%
8	Vegetation Control	\$20,000	14%
9	Repairing /Restoring Rock Protection	\$25,000	17%
10	Planning for Flood Emergencies	\$5,000	3%
11	Removing or Modifying Encroachments	\$1,000	1%
12	Surveying Profile and Cross Section of Levee	\$1,000	1%
13	Other Levee & Underwater Surveys	\$0	0%
14	Engineering Services & Subventions, program management	\$15,000	10%
15	Misc. items - gates/guard rails, traffic control	\$0	0%

TOTAL ANNUAL ROUTINE LEVEE MAINTENANCE

\$148,000

100%

7.4 miles @ \$20,000/mile

B. LEVEE REHABILITATION

1	Provide 1.5' Freeboard (Ag.)	\$1,000,000	59%
2	Flattening Waterside Slopes to 2:1	\$25,000	1%
3	Widening of Levee Crown to 20'	\$0	0%
4	Reconstruction & Upgrading of All weather Patrol Rds	\$10,000	1%
5	Provide Turnouts, Access Roads & Ramps	\$500,000	30%
6	Relocation of Toe Ditches Resulting from levee rehabilitation	\$0	0%
7	Replacement of Rock Protection	\$50,000	3%
8	Seepage and or stability toe berms	\$100,000	6%

TOTAL LEVEE REHABILITATION WORK

\$1,685,000

100%

C. ENVIRONMENTAL AND MITIGATION

1	DF&G Permits, Sub. Prog. Services/Management/Engineering	\$75,000	65%
2	Mitigation & Agreements	\$15,000	13%
3	Levee Enhancement & Vegetation Management	\$25,000	22%

TOTAL ENVIRONMENTAL MITIGATION

\$115,000

100%

D. FEMA/Other

1	FEMA Disaster Costs Submitted to DWR	\$0	0%
2	Disaster Costs Claimed for payment by SB 34	\$0	0%

TOTAL FEMA/Other

\$0

Bradford Island, Reclamation District 2059

APPLICATION TOTAL (SUM A+B+C+D)

\$1,948,000

SECTION II ENVIRONMENTAL MITIGATION & ENHANCEMENT

1. WORK DESCRIPTIONS

A. Habitat Assessment

1. CEQA

- a. The District has determined that the routine maintenance work described in this application is categorically exempt under CEQA and from the requirements of preparing a Negative Declaration or an E.I.R., as said work falls under the Class I Categorical Exemption as defined in the CEQA Guidelines. The District plans to file "Notices of Exemption" with the Contra Costa County clerk for the routine maintenance work described herein.

2. Regulatory

- a. The District will apply for and obtain any permits deemed necessary for work described in this application.
- b. Where applicable, the District will apply for and obtain a "Site Specific" Streambed Alteration Agreement through the Department of Fish and Game in compliance with DFG Code Section 1601.
- c. Pursuant to DFG Code Section 1601, the District has signed the Routine Maintenance agreement.

2. NET HABITAT IMPROVEMENT MANDATES

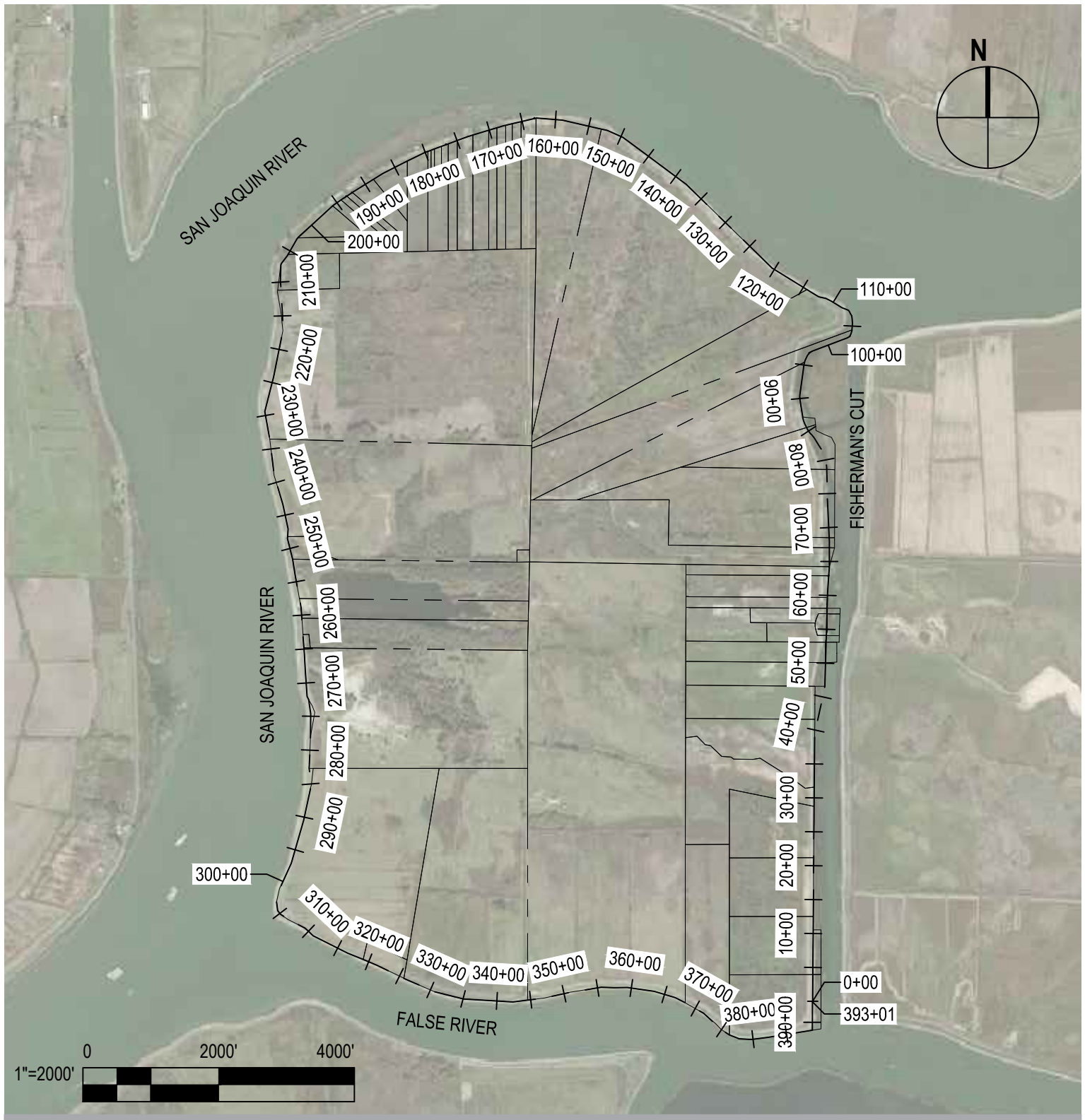
- A. The District will comply with the Net Habitat Improvement Mandates required by AB360. Upon completion and acceptance of an updated Habitat Assessment, the District will evaluate whether it will implement any enhancement development projects. If habitat enhancement projects are required prior to completion of the Habitat Assessment, the District will request participation in the DWR & DFW sponsored programmatic "Habitat Improvement" projects.

3. MITIGATION PLANS

- A. The District's work activities for fiscal year 2022-2023 will be planned and carried out in a manner consistent with the signed DFG Agreement.

4. LONG RANGE MITIGATION PLANS

- A. Bradford Island has mitigated for all habitat impacts associated with levee works.



Project **RECLAMATION DISTRICT 2059**
BRADFORD ISLAND
Title **SITE MAP - WORK AREA**

Project No. **620**
Project Manager **BWJ**
Date **Mar 2022**
Drawn

Sheet No.

FIGURE 1

Bradford Reclamation District 2059

(Bradford Island)

Subventions Claim



Final Totals



Bradford

PO Box 1059 Oakley, CA 94561

Invoice # 2022-2023 Subventions Claim

Bill To

Delta Levees Program - Department of Water F
PO Box 219000
Sacramento, CA 95821-0001

For

2022-2023
Subventions
Claim Date:
11/01/2023

Subventions Claissification	Total	Invoices	Payroll	Equipment	Total
Administrative - Angelia H. Tant - District Manager/Secretary		\$0.00	\$10,000.00	\$0.00	\$10,000.00
Administrative - Ronald Mijares - Levee Superintendent		\$0.00	\$2,985.00	\$0.00	\$2,985.00
Administrative/Engineering - Blake Johnson, PE		\$0.00	\$1,021.00	\$0.00	\$1,021.00
Admin/Engineering Grand Total:	\$14,006.00	\$0.00	\$14,006.00	\$0.00	\$14,006.00
Traffic control - Ronald Mijares		Invoices	Payroll	Equipment	Total
Traffic Control Grand Total:	\$685.00	\$0.00	\$685.00	\$685.00	\$685.00
Levee Rehabilitation		Invoices	Payroll	Equipment	Total
Payroll Ronald Mijares		\$0.00	\$734.00	\$0.00	\$734.00
Payroll Blake Johnson, PE		\$0.00	\$340.00	\$0.00	\$340.00
United Rentals Invoice # 210867985-01		\$1,127.93	\$0.00	\$0.00	\$1,127.93
Levee Rehabilitation Grand Total:	\$2,201.93	\$1,127.93	\$1,074.00	\$0.00	\$2,201.93
Routine Vegetation Control		Invoices	Payroll	Equipment	Total

Payroll Ronald Mijares		\$0.00	\$3,034.00	\$2,271.00	\$5,305.00	
United Rentals Invoice # 214389289-002		\$1,731.53	\$0.00	\$0.00	\$1,731.53	Inv. \$3,231.53 other categories
United Rentals Invoice # 214389289-003		\$1,731.53	\$0.00	\$0.00	\$1,731.53	Inv. \$3,231.53 other categories
Routine Vegetation Control Grand Total:	\$8,768.06	\$3,463.06	\$3,034.00	\$2,271.00	\$8,768.06	
Erosion & Slipouts		Invoices	Payroll	Equipment	Total	
Payroll Ronald Mijares		\$0.00	\$1,591.00	\$0.00	\$1,591.00	
Payroll Blake Johnson, PE		\$0.00	\$1,276.00	\$0.00	\$1,276.00	
CES Invoice # 22138		\$10,478.00	\$0.00	\$0.00	\$10,478.00	
CES Invoice # 22137		\$23,396.18	\$0.00	\$0.00	\$23,396.18	
CES Invoice # 22129		\$20,318.66	\$0.00	\$0.00	\$20,318.66	
CES Invoice # 22142		\$20,463.80	\$0.00	\$0.00	\$20,463.80	
CES Invoice # 22141		\$20,830.43	\$0.00	\$0.00	\$20,830.43	
Joe Shaver Invoice 08-12 to 08-17-2022		\$8,616.00	\$0.00	\$0.00	\$8,616.00	
Black & Veatch Invoice # 1372464		\$2,748.00	\$0.00	\$0.00	\$2,748.00	Inv. \$3,961.50 other categories
Erosion & Slipouts Grand Total:	\$109,718.07	\$106,851.07	\$2,867.00	\$0.00	\$109,718.07	
Levee Inspections & Routine Maintenance		Invoices	Payroll	Equipment	Total	
Payroll Ronald Mijares		\$0.00	\$3,132.00	\$0.00	\$3,132.00	
Payroll Blake Johnson, PE		\$0.00	\$851.00	\$0.00	\$851.00	
Levee Inspection & Routine Maintenance Grand Total:	\$3,983.00	\$0.00	\$3,983.00	\$0.00	\$3,983.00	
Repair & Shaping of Levee Patrol/Access Roads		Invoices	Payroll	Equipment	Total	
Payroll Ronald Mijares		\$0.00	\$147.00	\$0.00	\$147.00	
Payroll Blake Johnson, PE		\$0.00	1276	\$0.00	\$1,276.00	
CES Invoice # 22123		\$6,609.00	\$0.00	\$0.00	\$6,609.00	
Joe Shaver Invoice 12/28/2022		\$1,294.57	\$0.00	\$0.00	\$1,294.57	
Repair & Shaping of Levee Patrol/Access Roads Grand Total:	\$9,326.57	\$7,903.57	\$0.00	\$0.00	\$9,326.57	
Shaping of Levee Crown:		Invoices	Payroll	Equipment	Total	
Payroll Ronald Mijares		\$0.00	\$98.00	\$0.00	\$98.00	
Payroll Blake Johnson, PE		\$0.00	\$766.00	\$0.00	\$766.00	
Nannini Trucking		\$4,350.00	\$0.00	\$0.00	\$4,350.00	

United Rentals Invoice # 212837862-002		\$2,563.46	\$0.00	\$0.00	\$2,563.46
United Rentals Invoice # 212837862-001		\$853.51	\$0.00	\$0.00	\$0.00
Shaping of Levee Crown Grand Total:	\$7,777.46	\$7,766.97	\$864.00	\$0.00	\$7,777.46
Seepage & Boils:		Invoices	Payroll	Equipment	Total
Payroll Ronald Mijares		\$0.00	\$563.00	\$0.00	\$563.00
Payroll Blake Johnson, PE		\$0.00	\$596.00	\$0.00	\$596.00
Seepage & Boils Grand Total:	\$1,159.00	\$0.00	\$1,159.00	\$0.00	\$1,159.00
Rodent Control:		Invoices	Payroll	Equipment	Total
Payroll Ronald Mijares		\$0.00	\$710.00	\$0.00	\$710.00
Payroll Blake Johnson, PE		\$0.00	\$340.00	\$0.00	\$340.00
Rodent Control Grand Total:	\$1,050.00	\$0.00	\$1,050.00	\$0.00	\$1,050.00
Flood Prep. & Emergency Planning:		Invoices	Payroll	Equipment	Total
Payroll Ronald Mijares		\$0.00	\$343.00	\$0.00	\$343.00
Payroll Blake Johnson, PE		\$0.00	\$2,212.00	\$0.00	\$2,212.00
Flood Prep. & Emergency Planning Grand Total:	\$2,555.00	\$0.00	\$2,555.00	\$0.00	\$2,555.00
Drift Deposits:		Invoices	Payroll	Equipment	Total
Payroll Ronald Mijares		\$0.00	\$147.00	\$0.00	\$147.00
Payroll Blake Johnson, PE		\$0.00	\$85.00	\$0.00	\$85.00
Drift Deposits Grand Total:	\$232.00	\$0.00	\$232.00	\$0.00	\$232.00
Encroachments:		Invoices	Payroll	Equipment	Total
Payroll Ronald Mijares		\$0.00	\$98.00	\$0.00	\$98.00
Payroll Blake Johnson, PE		\$0.00	\$1,276.00	\$0.00	\$1,276.00
Encroachments Grand Total:	\$1,374.00	\$0.00	\$1,374.00	\$0.00	\$1,374.00
Waterside Slope Protection:		Invoices	Payroll	Equipment	Total
Payroll Ronald Mijares		\$0.00	\$465.00	\$0.00	\$465.00
Payroll Blake Johnson, PE		\$0.00	\$0.00	\$0.00	\$0.00
Waterside Slope Protection Grand Total:	\$465.00	\$0.00	\$465.00	\$0.00	\$465.00

		Rate	Trips	Equipment	Total
Truck Usage Cal Trans Rates Used	\$5,948.00			\$5,948.00	\$5,948.00
Ferry Tickets \$15.50 Per Trip	\$3,286.00	15.5	212	\$3,286.00	\$3,286.00
Subtotal for 2022/2023 Maintenance	<u>\$172,535.09</u>				<u>\$172,535.09</u>

Levee Projects	Amount Spent
CES Invoice # 22114	\$287,620.00
All Star Rents Invoice 1119406-13	\$1,888.75
All Star Rents Invoice # 1121307-13	\$3,157.50
All Star Rents Invoice 1122312-13	\$1,986.26
Larry Cochran Trucking # 1389	\$3,450.00
CES Invoice # 22154	\$3,178.00

Subtotal for 2021/2022 Levee Projects	<u>\$301,280.51</u>

Combined Categories (Maintenance & Levee Rehab. Projects)	<u>\$473,815.60</u>
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Bradford Reclamation District 2059

(Bradford Island)



AB360 Form

Outlining the Scope of Work Summarized
For Annual Inspection

Prepared by:

Blake Johnson, PE

**AB 360 Program
Subventions Funding Claim Information Form**

This form must accompany all Subvention Funding Claims for levee work under the AB 360 Program. This includes progress claims, final claims, and emergency work (as soon after work completion as possible). This form is intended to summarize information necessary to comply with AB 360 mitigation/enhancement requirements. Use of this form will expedite the field inspection and payment approval process. This form does not replace any other required AB 360 paperwork.

Claimant Information

Reclamation District Name/Number	Bradford Reclamation District 2059	Final Claim	<input checked="" type="checkbox"/>
Engineer/ Engineering Company	Blake Johnson, PE	Progress Claim	<input type="checkbox"/>
Fiscal Year	2022-2023		

Work Description

Describe work performed during the fiscal year noted above. Identify work locations by levee station and for multiple work locations include the range of stations. Check the boxes next to the location of the work (landside, waterside, or both) and months when the work was performed.

Annual Routine Maintenance

Road Work		Levee Stations	0+00 to 393																										
		Landside	<input type="checkbox"/>	Waterside	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input type="checkbox"/>
Activity Description	<p>Filled potholes, dragged roadway with screen to maintain smooth travel and to prevent potholes.</p> <p>Added aggregate base near Station 274 to 275 to fill in additional potholes.</p> <p>Levee crack in roadway from STA 150+50 to 160 was dug up and re-compacted.</p> <p>Placed Musclevall from approx. STA 170 to 173 and STA 175 to 178 due to heavy rains and high water in the San Joaquin River.</p>																												

Erosion/Subsidence		Levee Stations	STA 0+00; STA 108 to 110																										
		Landside	<input type="checkbox"/>	Waterside	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input type="checkbox"/>	Dec	<input type="checkbox"/>
Activity Description	<p>Riprap was placed at STA 190, 210, 265, 285, and 305 due to waterside erosion</p> <p>STA 3+92 erosion near ferry landing - sink hole formed approx. 3 feet wide by 5 feet deep by 12 feet long. Excavated hole, placed riprap and fabric, brought in new levee material and aggregate base.</p> <p>Temporary levee repair at STA 360 along landside.</p> <p>Continued repair work along the north side of the island from STA 160 to 185 from fire.</p>																												

Drainage Control		Levee Stations																											
		Landside	<input type="checkbox"/>	Waterside	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input type="checkbox"/>	Dec	<input type="checkbox"/>
Activity Description																													

Water Control Devices		Levee Stations																											
		Landside	<input type="checkbox"/>	Waterside	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input type="checkbox"/>	Dec	<input type="checkbox"/>
Activity Description																													

Rodent Control		Levee Stations	STA 345; STA 10																										
		Landside	<input checked="" type="checkbox"/>	Waterside	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>
Activity Description	<p>Three beaver dens. one at STA 345 is on landside. Second den located on waterside at STA 10. Third location located at STA 392, near ferry landing. Continue to monitor, excavate and re-compact areas and necessary.</p> <p>Additional rodent burrows (approximately 6) have been identified along the waterside of the False River levee (south side of the island). Monitoring of the sites continue.</p>																												

Mapping

Attach a map showing work locations and levee stations to the nearest 1,000 feet

Project Impacts

Describe project impacts to vegetation. Include location, description, and pre- and post- project photographs of any vegetation removed. Where applicable, describe existing or proposed mitigation for these impacts.

Vegetation is typically trimmed, not completely removed. Currently, vegetation is cut down by hand or by small mower.

Net Habitat Improvement Requirement

To comply with the net long-term habitat improvement program and have a net benefit to aquatic species as required by Water Code Sections 12987 and 79050, the District agrees to participate in DWR and DFG sponsored programmatic habitat improvement projects

Fish and Game Notifications

Notification under Section 1602 of the Fish and Game Code is required for all flood control work within the bed, channel, or bank, of any river, stream, or lake. Please list all 1602 agreements which were obtained for work completed subject to this claim. List all notifications by number

NA

Signature

Reclamation District Name and Number Bradford Reclamation District 2059

District Representative (Printed) Blake Johnson, PE

District Representative (Signature) 

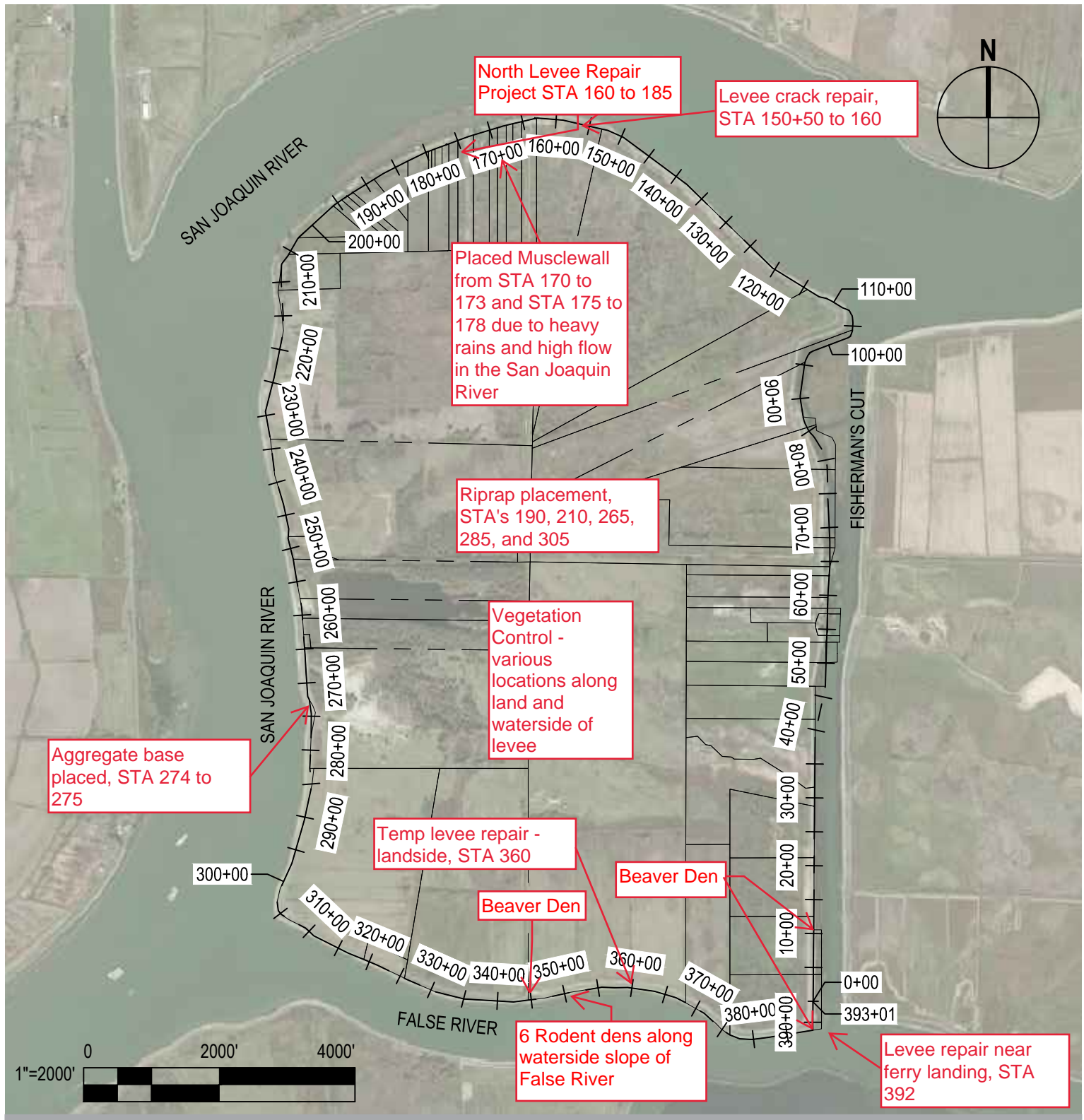
Date Form Completed October 31, 2023

Bradford Reclamation District 2059

(Bradford Island)



Map of Bradford Island



Project **RECLAMATION DISTRICT 2059
BRADFORD ISLAND**

Title **SITE MAP - 22/23 WORK AREA**

Project No. **22/23 Subventions**

Project Manager **BWJ**

Date **Oct. 2023**

Drawn **BWJ**

Sheet No.

FIGURE 1