



Department of Water Resources

Annual Report

Investments in Delta Levees

Fiscal Years 19-20 thru 22-23

December 14, 2023



Purpose of Report

- To inform the DSC of DWR's investment decisions regarding Delta levees pursuant to Cal. Code Regs Tit. 23 § 5012, Prioritization of State Investments in Delta Levees and Risk Reduction
- Report covers 4 fiscal years
 - FY 19-20
 - FY 20-21
 - FY 21-22
 - FY 22-23



DWR's Reporting Requirements

Cal. Code Regs Tit. 23 § 5012 will require:

- DWR to submit a written annual report to the DSC on State funds distributed or provided by DWR within the legal Delta
- make the report publicly available
- present the report to the DSC
- due no later than March 1 of each calendar year

AND

- at least 45 days prior to the oral presentation before the DSC



Background Sections

- Delta Levees Background
- DWR's Investment Role
- Types on Levees and Standards
- Island Priority List



7 Reporting Categories – (A)

(A)

Description of all discretionary State funding for levees awarded by DWR, during the reporting year; including both of the following:

- (i) Levee improvement
- (ii) Levee operation and maintenance



(A) Program Descriptions

- 17 programs listed including:
 - Delta Levees Special Flood Control Projects
 - Emergency Response
 - West Delta & North Delta Projects
 - Floodplain Management, Protection, and Risk Awareness
 - Systemwide Flood Risk Reduction Program



7 Reporting Categories – (B)

(B)

List of each levee improvement project proposal submitted to DWR for funding, regardless of whether DWR awarded funding to the project

- 23 project proposals listed
- 21 awarded



(B) Project Proposal Table

Table 4 - List of Levee Improvement Project Proposals Submitted to DWR

Program	Project Proposal Title	Location	FY Proposal Submitted (FY 20, 21, 22, 23)	Awarded (Yes/No)
Delta Levees Special Projects	Engineering and Design of District Levee Repair Project on Bacon Island	Bacon Island	FY20	Yes
Delta Levees Special Projects	Engineering, Design, and Construction of District Levee Repair Project on Bouldin Island	Bouldin Island	FY20	Yes



7 Reporting Categories – (C)

(C)

List of:

- improvement projects awarded funding,
 - funding level awarded,
 - local cost share,
 - applicable priority of the island
-
- 35 projects listed



(C) Project Listing Example

Table 5 - List of Projects and Funding

Program	Location	Project Title	Total Project Cost (\$)	State Cost Share (\$)	Federal or Local Cost Share (\$)
Special Projects	Bacon Island	Engineering, Design, and Construction of District Levee Repair Project on Bacon Island	14,368,421	13,650,000	718,421

Funding Level Awarded				Project Status	DLIS Priority
FY19-20	FY20-21	FY21-22	FY22-23		
1,000,000	-	4,660,000	-	In Progress	Very High



7 Reporting Categories – (D)

(D)

A description, for each awarded project:

- changes (when completed) to levee geometry,
- specific locations of those changes,
- expected changes in the level of flood protection provided or standard achieved



(D) Project Listing Example

Table 6 - Project Information for Awarded Projects

DWR Projects for Fiscal Years 19-20, 20-21, 21-22, 22-23		
Program	Project Title	Description of Changes
Special Projects	Engineering, Design, and Construction of District Levee Repair Project on Bacon Island	Fill placement on the landside slope and levee crest to improve and rehabilitate about 3.45 miles of the District's levees to sustainably meet the Bulletin 192-82 levee standard from Stations 200+00 to 300+00 along Connection Slough and Stations 625+00 to 707+00 along Santa Fe Cut, with an all-weather roadway, and the landside slope hydroseeded with a Department of Fish and Wildlife (CDFW) approved native grass seed mix

Specific Location	Protection Objective
Stations 200+00 to 300+00 along Connection Slough and Stations 625+00 to 707+00 along Santa Fe Cut	Bulletin 192-82



7 Reporting Categories – (E)

(E)

If DWR awards funds for any levee improvement project that is inconsistent with island priorities in CCR Tit. 23 § 5012, the annual report shall identify for each project:

- how funding is inconsistent with priorities,
- why variation from priorities is necessary,
- explain how funding protects lives, property, or other State interests, such as infrastructure, agriculture, water supply reliability, Delta ecosystem, or Delta communities



7 Reporting Categories – (E)

FY 20: 1 project

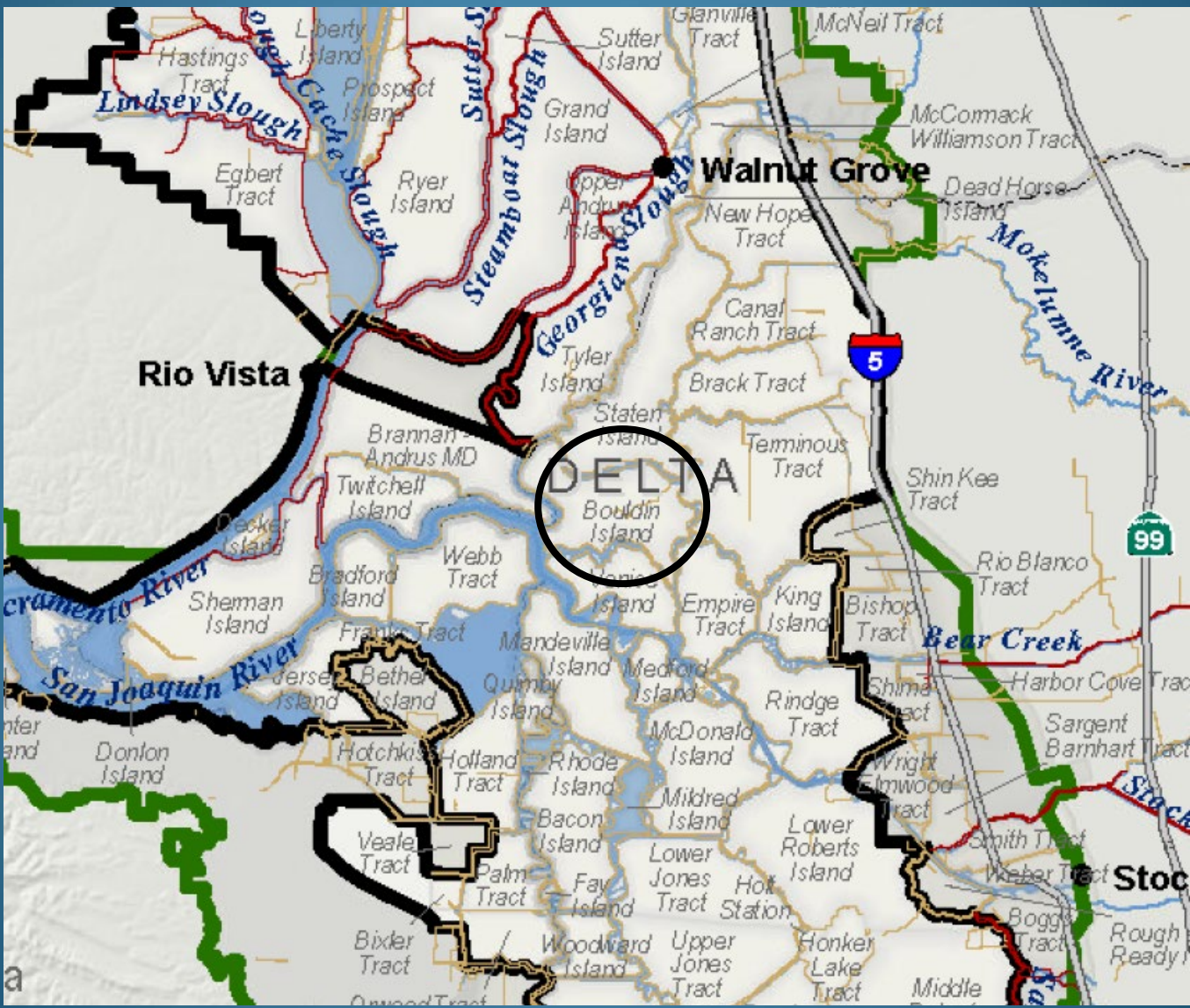
FY 21: none

FY 22: none

FY 23: 1 project



(E) FY 20 – Bouldin Island





(E) FY 20 – Bouldin Island

- High Priority – Report and CRC § 5012
- Levees along the South Mokelumne River sustained heavy damage in the 2017 flood, in need of rehabilitation
- Failure of the levee in this area would result in property damage, environmental impacts, impacts to a State highway, and impacts to state water supply and water quality

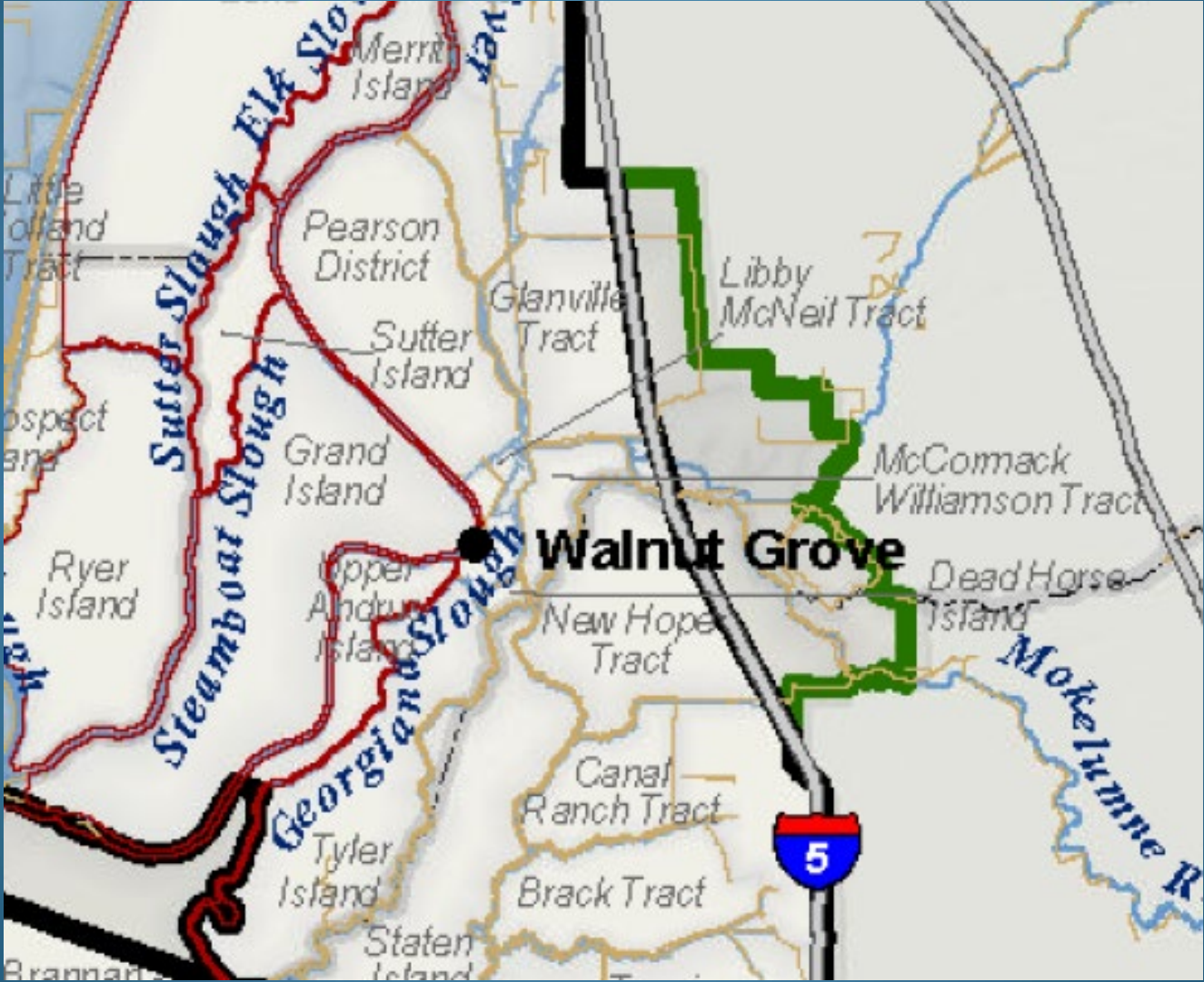


(E) FY 20 – Bouldin Island (continued)

- Project provides opportunities for ecosystem restoration, flood control, water supply and water quality benefits, and conveyance while enhancing levee system integrity consistent with Water Code Section 79553
- State funding for the project is consistent with the objectives of the Special Flood Control Project Program, and with the Delta ecosystem restoration strategy of the CALFED Bay-Delta Program (Water Code Section 12300 (d) and (b))



(E) FY 23 - Libby McNeil Tract





(E) FY 23 - Libby McNeil Tract

- Priority Other (Report) → High (CRC § 5012)
- Statewide grant program, with criteria developed across the entire state
- Project provides flood risk reduction and ecosystem protection for an underserved community and was consistent with the Prop 68 competitive guidelines
- 1 of 5 projects awarded statewide



7 Reporting Categories – (F)

(F)

A summary of the DWR's rationale for levee improvement project proposals submitted, but not awarded funding during the reporting year

FY 20: 1 project proposal

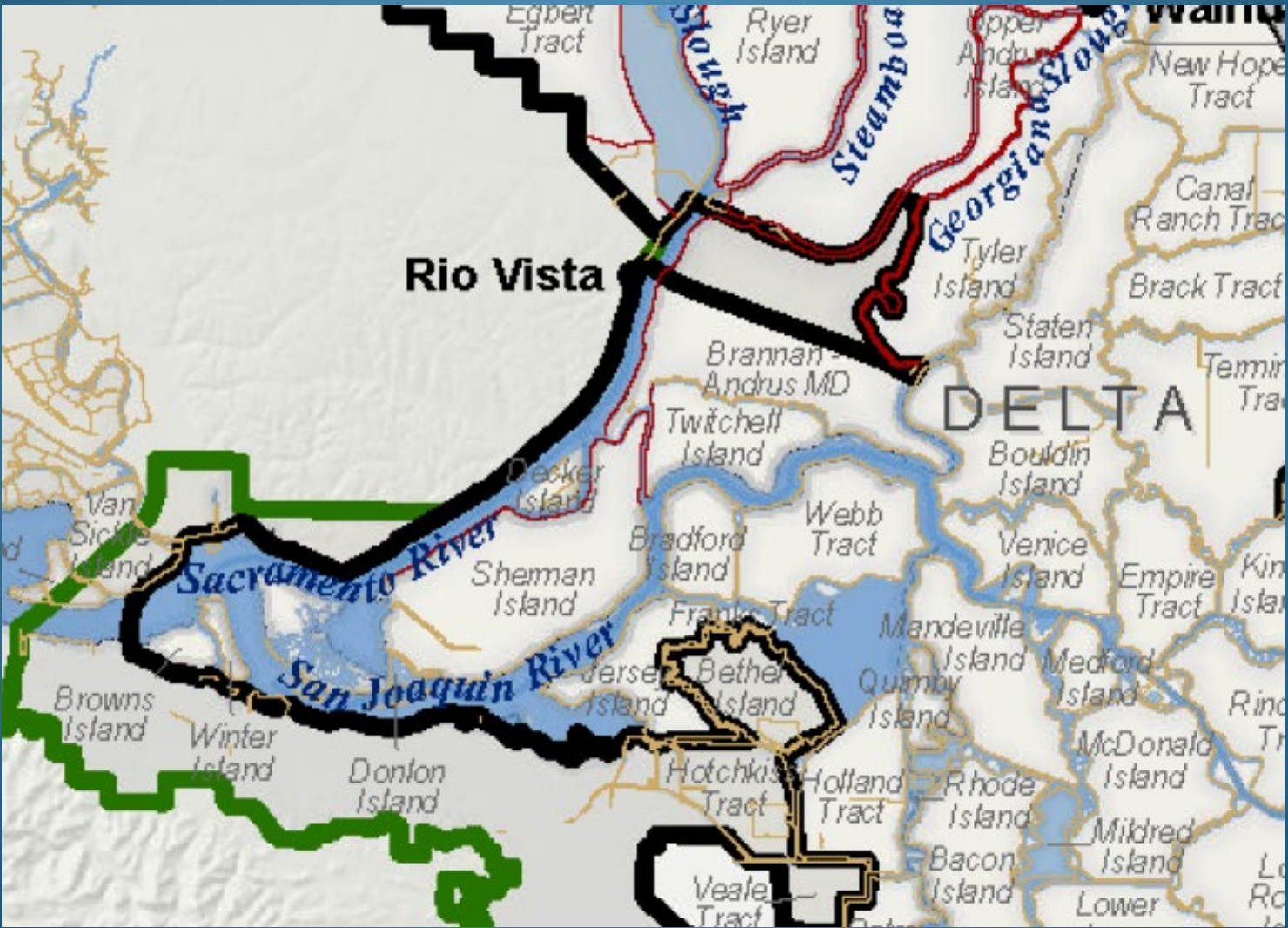
FY 21: 1 project proposal

FY 22: none

FY 23: none



(F) FY 20 – Twitchell Island





(F) FY 20 – Twitchell Island

- Priority Very High
- Limited funding due to impacts of the COVID 19 pandemic on the State's budget and fiscal outlook → proposed project was not funded as a Directed Action
- Proposed project awarded \$15 million in the latest Projects Solicitation Package (FY 24)



(F) FY 21 - New Hope Tract





(F) FY 21 - New Hope Tract

- Priority High (Report) → Very High (CRC)
- Proposed project consisted of cleaning up wood/tree debris in the river channel and no levee work was proposed
- Delta Levees Special Projects Program staff was unable to recommend the proposed project for funding because it was not consistent with the Program's 2014 Guidelines



7 Reporting Categories – (G)

(G)

A summary of all previous DWR funded levee improvement project activities completed during the reporting year and location of those activities

- Included as “Project Status” with Category (C) list of projects

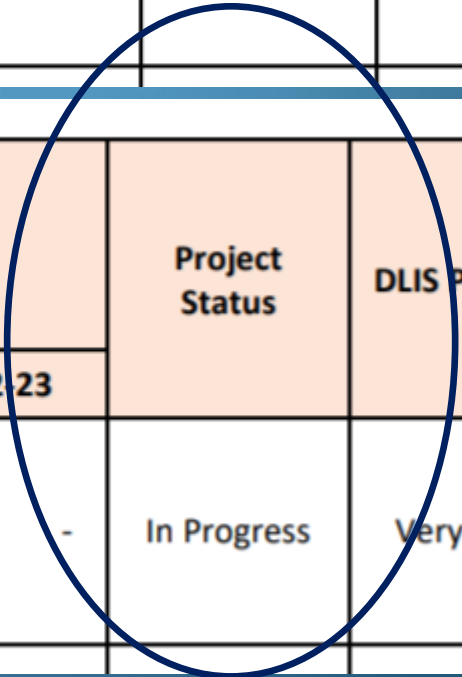


(G) Project Status

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Delta Subventions Funding (\$millions)

Program	FY 19-20	FY 20-21	FY 21-22	FY 22-23
Delta Levees Subventions	8.4	9.5	11.1	12.5
Total for 4 FYs	41.5			



Delta Levee Investments

Program	FY 20 thru FY 23 Totals
Special Projects, North Delta, Dutch Slough	28 projects \$70 million
Systemwide	5 projects \$26 million
Flood Management	43 projects \$363 million



Current Efforts & Future Report

- 2023 Special Projects Program PSP for Multi-Benefit Projects
- \$37 million available
- Received 17 concept proposals for \$135 million
- 5 proposals for \$18.6 million selected for funding



Q & A

Agenda Item: 9
Council Meeting Date: December 14, 2023

Thank you

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