

August 2021

Delta Levees Investment Strategy (DLIS) Update



**Delta
Stewardship
Council**

A CALIFORNIA STATE AGENCY

Agenda

1. Introduction
2. Background
3. Risk Analysis Update
4. Modified Preliminary Draft Regulatory Language
5. CEQA Considerations
6. Next Steps

01.

INTRODUCTION

Summary of Requested Action

- Approve CEQA Addendum
- Approve DLIS priority table and map for purposes of rulemaking
- Approve DLIS Modified Preliminary Draft Language for purposes of rulemaking
- Approval to initiate rulemaking

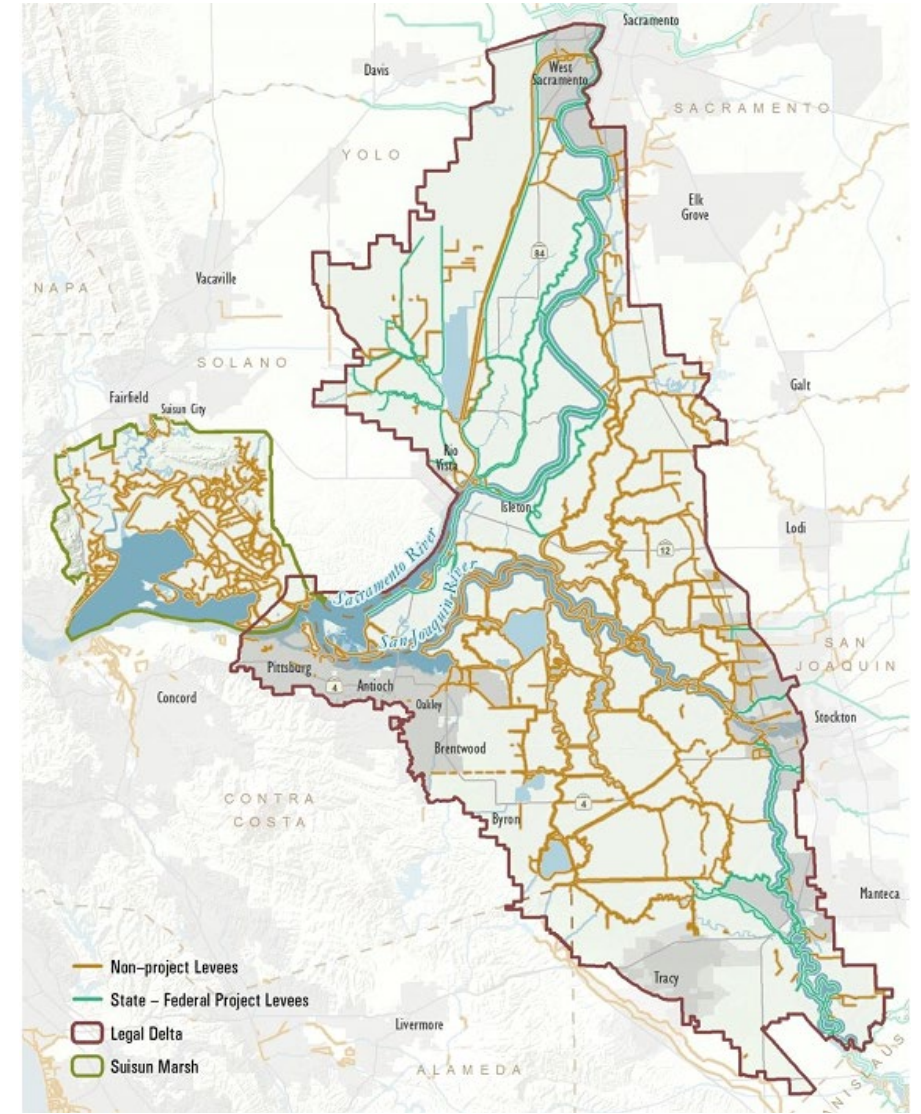


02.

BACKGROUND

Background

- Both project levees and non-project levees are located in the Delta
- Many State programs provide financial assistance to maintain and improve Delta levees
- No comprehensive strategy to prioritize levee investments



Delta Reform Act Water Code Sec. 85306

“The council, in consultation with the Central Valley Flood Protection Board, shall recommend in the Delta Plan priorities for state investment in levee operation, maintenance, and improvements in the Delta, including both levees that are part of the State Plan of Flood Control and nonproject levees.”



DLIS Process

- In 2014 Council began formulating a comprehensive method to analyze State interests and risks in the Delta
 - *State interests*
 - risk to public safety, property, infrastructure
 - water supply reliability
 - Delta ecosystem
 - unique Delta as Place attributes
 - *Risk*
 - probability x consequences
 - Decision support tool (DST) to support deliberations
- Prioritization: Very-High, High, and Other

03.

RISK ANALYSIS UPDATE

Key Data Changes

- Updates to Delta topography using 2017 LiDAR data
- Updates to hydrologic data using new information from Delta Adapts
- Updates to fragility curves to reflect current levee geometry



Changes to Risk Between DLIS 2018 and DLIS 2021

- Risk to Life (EAF) ↓
- Risk to Property (EAD) ↓
- Risk to Habitat (Acres Flooded/Year) ↑
- Risk to Water Supply —



Changes to Risk Between DLIS 2018 and DLIS 2021 Cont.

- Risk to Delta as Place
 - Prime Farmland —
 - Legacy Towns —
 - Public Roadways —

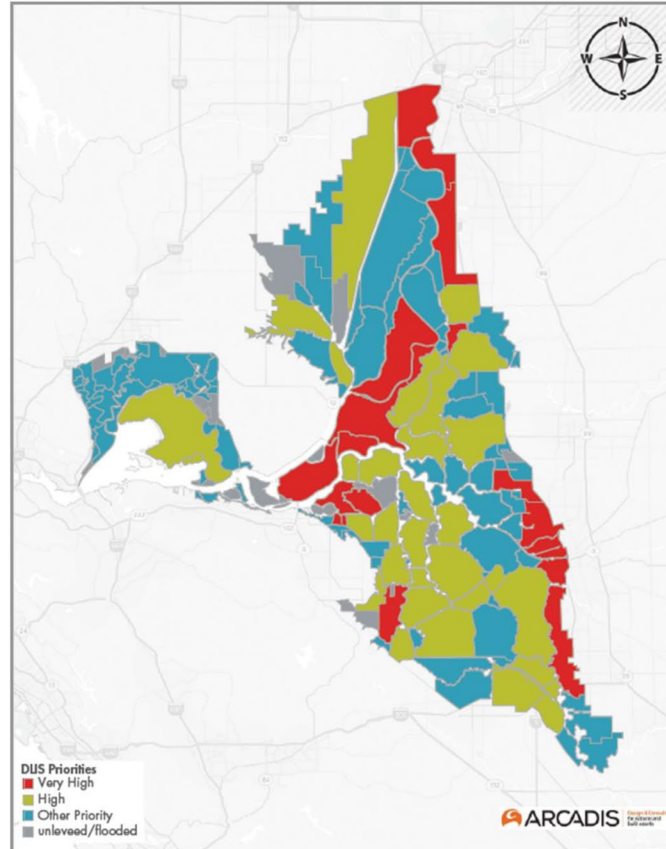


Changes to Island and Tract Priorities

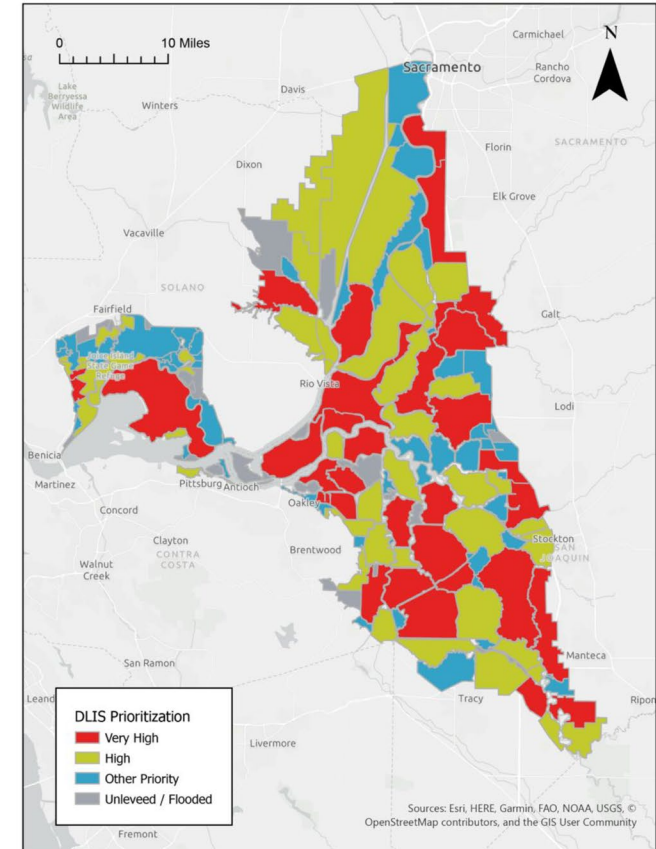
- Very High Priority Islands and Tracts
- High Priority Islands and Tracts
- Other Priority Islands and Tracts



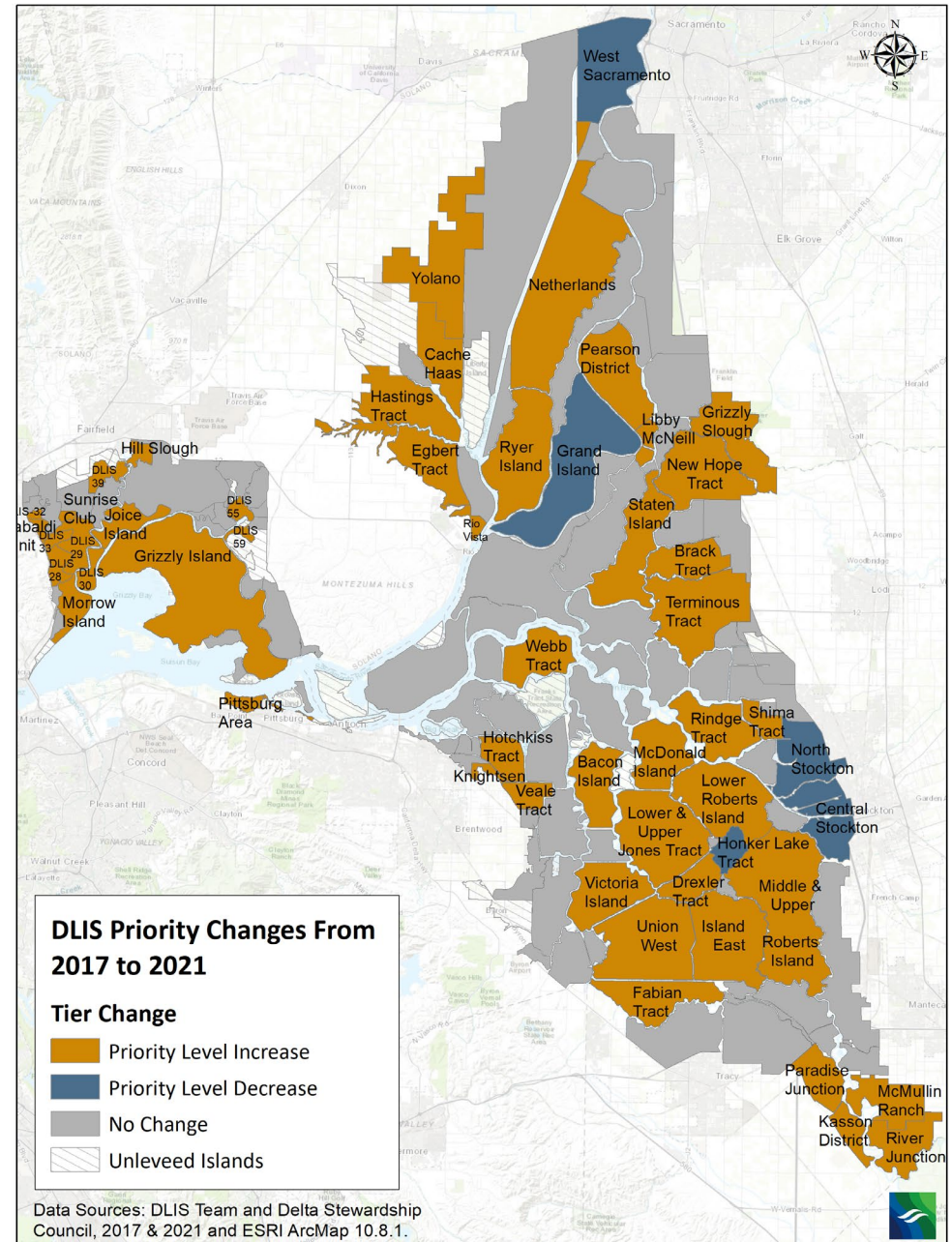
Delta Levees Investment Priorities 2017



Delta Levees Investment Priorities 2021



Changes to Island and Tract Priorities



Changes to Island and Tract Priorities

- **West Sacramento** moves from Very-High Priority to Other Priority. This change is driven by a large levee improvement project that was recently completed.
- **Central Stockton** moves from Very-High Priority to Other Priority. This change is driven by a significant change to the estimated base flood elevation.
- **North Stockton** moves from Very-High Priority to High Priority. This change was driven by the same improvements to the estimated base flood elevation that generated the change to Central Stockton.
- **Grand Island** moves from Very-High Priority to High Priority, **Terminous Tract** moves from High Priority to Very-High Priority, and **Roberts Island** moves from High Priority to Very-High Priority.
- These islands and tracts move up in priority as others fall due to improvements and other factors that adjust risk.

Changes to Island and Tract Priorities

- **West Sacramento** moves from Very-High Priority to Other Priority. This change is driven by a large levee improvement project that was recently completed.
- **Central Stockton** moves from Very-High Priority to Other Priority. This change is driven by a significant change to the estimated base flood elevation.
- **Grand Island** moves from Very-High Priority to High Priority, **Terminous Tract** moves from High Priority to Very-High Priority, and **Roberts Island** moves from High Priority to Very-High Priority.
- These islands and tracts move up in priority as others fall due to improvements and other factors that adjust risk.

Staff Recommended Adjustments to DLIS 2021 Priorities

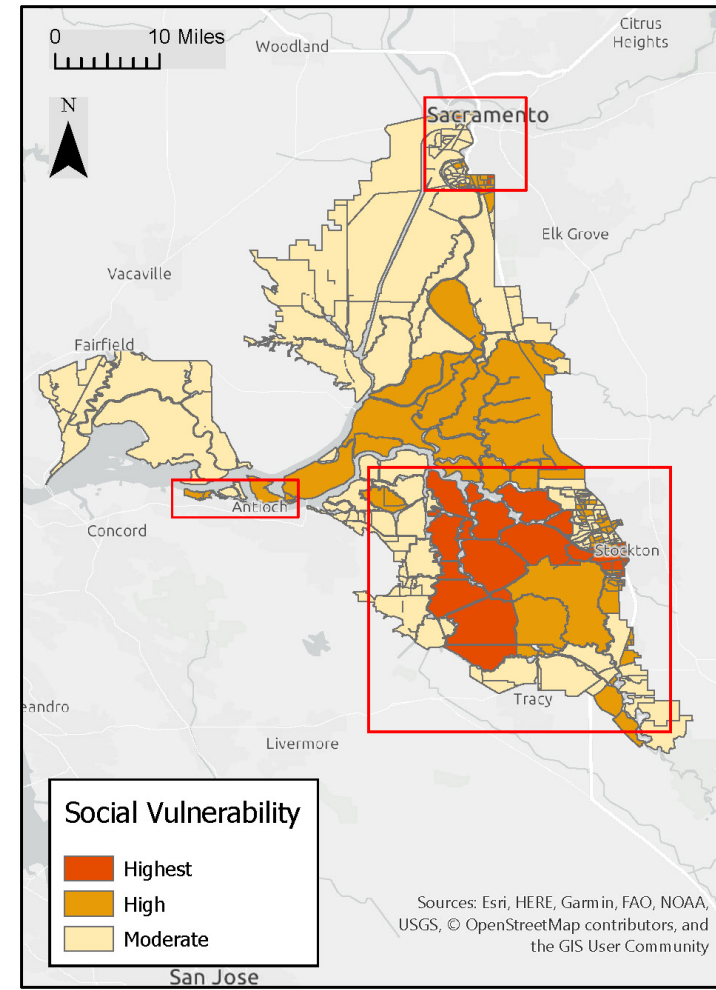
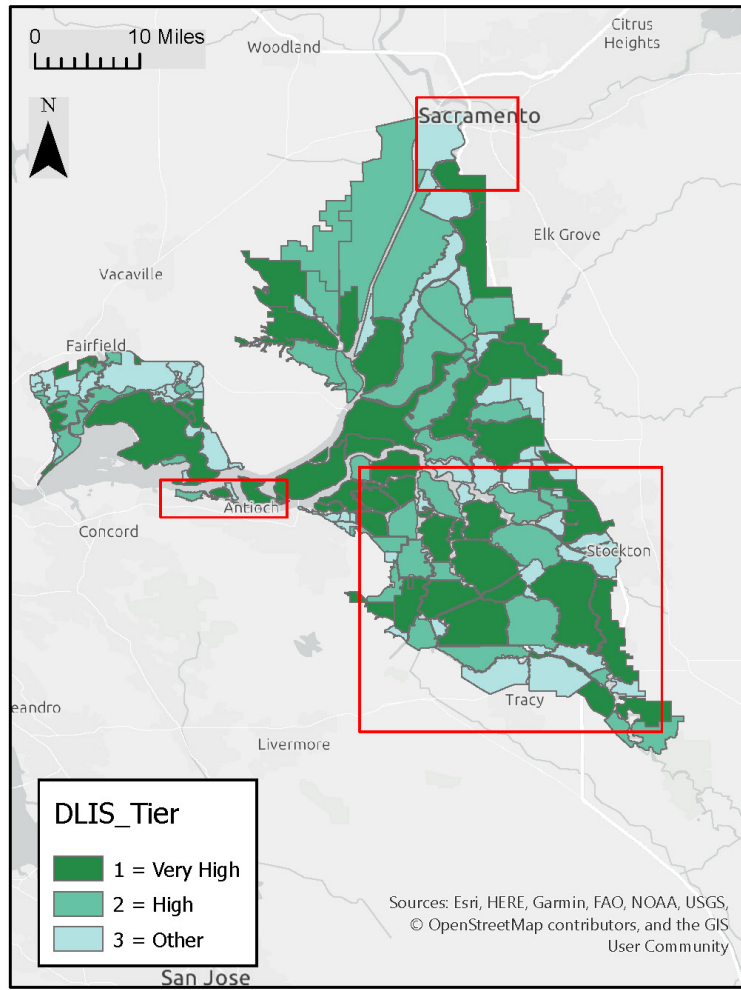
- **Dutch Slough and McCormack-Williamson Tract**
 - *Other to Very-High Priority*
 - Existing restoration plans
 - Ongoing construction
- **Pescadero District and Stewart Tract**
 - *Other to High Priority*
 - Identified in ER P3 as Priority Habitat Restoration Areas
- **Honker Bay Tract**
 - *Other to High*
 - Does not provide 50-year protection to Highway 4

New Considerations

- *Climate Change*
 - Delta Adapts provides a better understanding of flood risk into the future
 - Adaptation Strategy will inform future DLIS updates
- Staff recommends moving Central Stockton to the **High Priority** to account for large socially vulnerable population.



Social Vulnerability



Regions Containing Highest Vulnerability Areas

04.

**MODIFIED
PRELIMINARY
STAFF DRAFT
REGULATORY
LANGUAGE**

Overview of Suggested Staff Revisions

- Clarification of proposed definitions
- Operations and maintenance as a priority
- Changes to the DLIS priority table and map of islands and tracts
- Refinement to the DWR annual report to the Council

05.

CEQA CONSIDERATIONS

California Environmental Quality Act

- Addendum to 2018 Delta Plan Amendments PEIR has been prepared in compliance with CEQA (Public Resources Code (Public Resources Code) section 21000, et seq.)
- The document concludes that an Addendum is appropriate for the proposed revisions
- No new significant impact or change in severity of impacts identified in 2018 Delta Plan Amendments PEIR

06.

NEXT STEPS

Requested Action

Staff recommends that the Council adopt attached **Resolution 2021-02** which would:

- (1) approve the Addendum to the 2018 Delta Plan Amendments Program Environmental Impact Report (PEIR) (Resolution Attachment 2);
- (2) move Dutch Slough and McCormick Williamson Tract from Other Priority to Very-High Priority; and move Pescadero District, Stewart Tract, and Central Stockton from Other Priority to High Priority,
- (3) approve the staff-recommended Delta Levees Investment and Risk Reduction Strategy (DLIS) Prioritization Table and Map (Resolution Attachment 3) for purposes of initiating rulemaking to amend Delta Plan Policy RR P1;
- (4) approve the staff-recommended DLIS Modified Preliminary Draft Regulatory Language (Resolution Attachment 4) for purposes of initiating rulemaking to amend Delta Plan Policy RR P1;

Requested Action Cont.

- (5) direct Council staff to initiate rulemaking to amend: a) Delta Plan Policy RRP1, set forth in 23 CCR section 5012, "Prioritization of State Investments in Delta Levees and Risk Reduction," in accordance with the DLIS Prioritization Table and Map (Resolution Attachment 3), and the DLIS Modified Preliminary Draft Regulatory Language (Resolution Attachment 4); and b) the regulation in 23 CCR section 5001 to add new glossary terms set forth in Resolution Attachment 4;
- (6) direct and authorize the Executive Officer, or delegee, to make any non substantive modifications to the text of the proposed regulations deemed necessary in order to complete the rulemaking process, and to inform the Council of any such changes;
- (7) direct the Executive Officer, or delegee, to correct any errata or make any changes identified by the Council at this meeting, and to finalize all elements of the rulemaking package and submit it to the OAL once complete; and
- (8) direct the Executive Officer, or delegee, to take such steps as are necessary to comply with the California Environmental Quality Act (CEQA) concerning the Addendum and to effect the intent of the Resolution.

