



NORTH BAY WATER REUSE PROGRAM

Expanding Water Supplies with Regional Reuse



BOARD OF DIRECTORS MEETING

AGENDA

**Monday, April 24, 2023
9:30 AM**

**Per Board Policy this meeting will be a Zoom Meeting only.
Meeting participants and the public may participate via the following:**

Join Zoom Meeting

<https://us02web.zoom.us/j/86702642935>

Meeting ID: 867 0264 2935

One tap mobile +16699009128, 86702642935# US (San Jose)

Dial in +1 669-900-9128 US (San Jose)

Meeting ID: 867 0264 2935

1. Call to Order (1 minute)

2. Roll Call (1 minute)

3. Public Comment (3 minutes)

(Any member of the public may address the Board at the commencement of the meeting on any matter within the jurisdiction of the Board. This should not relate to any item on the agenda. It is the policy of the Authority that each person addressing the Board limit their presentation to three minutes. Non-English speakers using a translator will have a time limit of six minutes. Any member of the public desiring to provide comments to the Board on an agenda item should do so at the time the item is considered. It is the policy of the Authority that oral comments be limited to three minutes per individual or ten minutes for an organization. Speaker's cards will be available in the Boardroom and are to be completed prior to speaking.)

4. Introductions (2 minutes)

**Action
Pages 4 – 6**

5. Board Meeting Minutes of March 27, 2023 (2 minutes)

(The Board will consider approving the minutes from the March 27, 2023 Board meeting.)

**Action
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6. Election of Officers (5 minutes)

(The Board will elect a Chair and Vice Chair for 2023.)

**North Bay Water Reuse Authority • c/o Sonoma County Water Agency, 404 Aviation Boulevard, Santa Rosa, CA 95403
707-235-8965 • NBWRA.org**

County of Marin • Las Gallinas Valley Sanitary District • Novato Sanitary District • Marin Municipal Water District • North Marin Water District • Sonoma County Water Agency
City of Petaluma • Sonoma Valley County Sanitation District • County of Napa • Napa Sanitation District • City of American Canyon

- | | |
|--|--|
| <p>Information
Page 8</p> <p>Pages 9 - 21</p> <p>Page 22</p> <p>Pages 23 - 53</p> <p>Information
Pages 54 - 61</p> <p>Information
Page 62</p> <p>Discussion
Page 63</p> <p>Information
Pages 64 - 65</p> <p>Discussion
Page 66</p> <p>Discussion</p> | <p>7. Report from the Chair (5 minutes)
(The Chair will report on items of interest to the Board.)</p> <p>7.a Report from the Technical Advisory Committee (5 minutes)
(The Board will review the Report on the TAC meeting of April 6, 2023 and consider recommendations from the TAC included in this agenda.)</p> <p>7.b Consultant Progress Reports (5 minutes)
(The Board will review the consultant progress reports.)</p> <p>7.c Reports on Bay Area Sea Level Rise Projects and Collaborative Efforts with Other Organizations per Board Request (15 minutes)
(The Board will receive reports on Bay Area Sea Level Rise Projects and Collaborative Efforts with Other Organizations as requested at the March 27, 2023 meeting.)</p> <p>8. Financial Reports for the Fiscal Years Ending June 30, 2022 and June 30, 2023 (5 minutes)
(The Board will review the Financial Reports for Fiscal Years Ending June 30, 2022 and June 30, 2023.)</p> <p>9. Status of Phase 1 Reconciliation and Closeout Activities (5 minutes)
(The Board will be updated on Phase 1 status of reconciliation and closeout activities.)</p> <p>10. Status of Phase 2 and Financial Capability Analysis Report Update (5 minutes)
(The Board will be updated on the status of the Phase 2 EIR/EIS and the funding application to USBR.)</p> <p>11. Status Reports on Resilience Arena Projects: Recycled Water, Drought Contingency Planning, and Sea Level Rise Adaptation Vision
(The Board will receive status reports on the three Resilience Arena Projects: recycled Water, Drought Contingency Planning, and Sea Level Rise Adaptation Vision.)</p> <p>12. Items for the Next Agenda (5 minutes)
(The Board will consider items for the next Agenda.)</p> <p>13. Comments from the Chair, Board, and Member Agencies (5 minutes)
(The Board will discuss items for future discussion and the Chair, Board, or Member Agencies may make brief announcements or reports on their own activities, pose questions for clarification, and/or request that items be placed on a future agenda. Except as authorized by law, no other discussion or action may be taken.)</p> <p>14. Adjournment (1 minute)</p> |
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<p>Next Board Meeting Tentatively Scheduled June 26, 2023</p>

(In compliance with the Americans with Disabilities Act of 1990, if you need special assistance to participate in a Board meeting, or you need a copy of the agenda, or the agenda packet, in an appropriate alternative format, please contact the Program Manager at (510) 410-5923. Notification of at least 48 hours prior to the meeting or time when services are needed will assist in assuring that reasonable

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arrangements can be made to provide accessibility to the meeting or service. A copy of all the documents constituting the agenda packet is available for public inspection prior to the meeting at 404 Aviation Boulevard, Santa Rosa, CA 95403. Any person may request that a copy of the agenda or the agenda packet be mailed to them for a fee of \$.10 per page plus actual mailing costs. If you wish to request such a mailing, please contact Chuck Weir, Weir Technical Services, 3026 Ferndale Court, Pleasanton, CA 94588, 510-410-5923, chuckweir@sbcglobal.net. The agenda for each meeting is also available on-line at www.nbwra.org and will be available at the meeting.)

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**North Bay Water Reuse Authority
Board of Directors Meeting
March 27, 2022**

1. Call to Order

Acting Chair Mark Joseph called the meeting to order at 9:40 a.m. on Monday, March 27, 2023. This meeting was a Zoom only meeting. Meeting participants and the public participated via the following link: <https://us02web.zoom/j/83910720383>.

2. Roll Call

PRESENT:	Mark Joseph, Acting Chair	City of American Canyon
	Jack Baker	North Marin Water District
	Ron Ford	Las Gallinas Valley Sanitary District
	Susan Gorin	Sonoma Valley County Sanitation District
	Belia Ramos	Napa County
	Larry Russell	Marin Water
	Scott Sedgley	Napa Sanitation District
	John Shribbs	City of Petaluma

ABSENT: Sonoma Water, Novato Sanitary District, Marin County

OTHERS

PRESENT:	Chuck Weir, Program Manager	Weir Technical Services
	Christopher Bolt	City of Petaluma
	Kevin Booker	Sonoma Water
	Chris Choo	Marin County
	Lucy Croy	Marin Water
	Brad Elliott	Sonoma Water
	Rene Guillen	Brown & Caldwell
	Tim Healy	Napa Sanitation District
	Pam Jeane	Sonoma Valley County Sanitation District
	Ryan Long	Data Instincts
	Mark Millan	Data Instincts
	Jim O'Toole	ESA
	Mike Savage	Data Instincts
	Paul Sellier	Marin Municipal Water District
	Dawn Taffler	Kennedy Jenks
	Melanie Tan	Kennedy Jenks
	Tony Williams	North Marin Water District

3. Public Comments

There were no members of the public.

4. Introductions

Introductions were made for the benefit of new Board members and staff from the member agencies.

5. Board Meeting Minutes of June 27, 2022

On a motion by Director Baker, seconded by Director Ford, the minutes of the June 27, 2022, meeting were approved by the Board with two abstentions by a roll call vote.

6. Election of Officers

On a motion by Director Ford, seconded by Director Gorin, continuing this item to the April 24, 2023 meeting was unanimously approved by the Board by a roll call vote.

7. Report from the Chair

Acting Chair Joseph noted that there were reports from the Technical Advisory Committee, Item No. 7.a and the Consultant Progress Reports, Item No. 7.b as part of his report. He stated that one action item for the Board included Item No. 10, Approval of the Amended Scope of Work for the Sea Level Rise Adaptation Vision.

7.a Report from the Technical Advisory Committee

The Program Manager and TAC Chair Healy provided a summary of the June 2, 2022, November 3, 2022, and February 2, 2023 TAC meetings. They indicated that there is one item recommended for Board approval. This item is considered separately in Agenda Item No. 10.

7.b Consultant Progress Reports

The consultant progress reports were included in the packet. This was an information item requiring no action by the Board.

8. History of NBWRA

The Program Manager, Rene Guillen, and Jim O'Toole provided a history of NBWRA from its formation, member agencies, Memorandum of Understanding, Phase 1 projects, Phase 2 projects, and future resilience arena projects.

9. Financial Reports for Fiscal Years Ending June 30, 2022 and June 30, 2023.

The Board reviewed the financial reports for the Fiscal Years ending June 30, 2022 and June 30, 2023.

10. Approval of the Amended Scope of Work for the Sea Level Rise Adaptation Vision

The Program Manager provided a summary of the revised scope through meetings with interested agencies, review by the TAC and its recommendation for approval by the Board with no change in the cost of \$125,000. Board members discussed the scope and wanted to make sure that the end product would help lead to the development of actual projects to address sea level rise impacts. The work of other agencies and organizations was also discussed. Jim O'Toole responded to questions and concerns raised by Board members. Director Gorin noted that there will be a meeting on Infrastructure and Rising Tide on April 6, 2023

A motion by Director Gorin, seconded by Director Ford, to approve the Amended Scope of Work for the Sea Level Rise Adaptation Vision with no change in the \$125,000 budget was unanimously approved by a roll call vote.

11. Phase 1: Status of Reconciliation and Closeout Activities

The Program Manager and Brad Elliott provided an update on the status of Phase 1. They noted that in February 2023, Sonoma Water was notified by USBR that our Phase 1 project was officially closed. Sonoma Water is working on final Phase 1 administrative reconciliation and will provide a final accounting of costs by the end of this fiscal year. This is part of the reconciliation and true up process described in the MOU.

12. Status of Phase 2

Rene Guillen noted that USBR has approved a funding request and a next step it to update the Financial Capability Analysis (FCR) Report. Melanie Tan provided a summary of the FCR process and noted a request will be going out to the Phase 2 agencies shortly. Rene Guillen provided information on the anticipated schedule.

13. Items for the Next Agenda

Items for the next Agenda include election of officers, a report and recommendations from the TAC, regular reports, Phase 1 and Phase 2 Status Reports, and progress reports on the FY2022/23 resilience arena projects. Director Shribbs asked if the history presentation could be recorded and posted on the website. Program Manager Weir stated that the consultant team would take care of that. Directors Ford and Gorin requested a report on sea level rise projects planned or underway and that presentations should be available from organizations including BCDC. The Board also expressed interest in collaborative efforts that could be made with North Bay Watershed Association and other organizations and would like to have the TAC discuss and provide a report to the Board at the next meeting.

14. Comments from the Chair, Board, and Member Agencies.

Directors thanked the Program Manager and consultant team for their efforts.

15. Adjournment

The Board previously discussed the merits of Zoom meetings and the consensus was to continue with Zoom meetings.

A motion by Director Gorin, seconded by Director Ramos to hold the April 24, 2023 meeting via Zoom was unanimously approved by a roll call vote with one abstention.

Acting Chair Joseph adjourned the meeting at 10:50 a.m. The next meeting will be Monday, April 24, 2023, at 9:30 a.m. via Zoom.

Minutes approved by the Board _____.

Charles V. Weir
Program Manager

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 24, 2023

ITEM NO. 6 ELECTION OF OFFICERS

Action Requested

Elect a Chair and Vice Chair for 2023.

Summary

Sonoma County Supervisor David Rabbitt is the current Chair and the Vice Chair position is currently open.

Recommendation

Elect a Chair and Vice Chair for 2023 as required by the Memorandum of Understanding.

ITEM NO. 7 REPORT FROM THE CHAIR

Action Requested

Other than the next meeting, there are no recommendations at this time.

Summary

The Chair will report on items of interest to the Board. This includes the following items:

Item No. 7.a, Report from the Technical Advisory Committee.

Item No. 7.b, Consultant Progress Reports.

Item No. 7.c, Reports on Bay Area Sea Level Rise Projects and Collaborative Efforts with Other Organizations that were requested by the Board at the last meeting.

The next meeting is tentatively scheduled for June 26, 2023. A schedule for FY2023/24 will need to be considered at the next meeting once the budget is approved.

At the March 27, 2023 meeting, the Board discussed how to conduct future meetings and determined that Zoom meetings were the most efficient way for NBWRA to hold meetings. The reduced travel will clearly save on expenses for consultants, staff, and Board members. Zoom meetings will also significantly reduce NBWRA's carbon footprint for meetings. In addition, Zoom meetings have been shown to provide ample opportunity for public participation.

Recommendations

1. Consider Having the next meeting via Zoom on June 26, 2023 as previously discussed.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 24, 2023

ITEM NO. 7.a REPORT FROM THE TECHNICAL ADVISORY COMMITTEE

Action Requested

There are no recommendations from the TAC at this time.

Summary

The TAC continues to meet monthly or as needed and met on April 6, 2023. The following items are attached for the Board's information:

1. February 2, 2023 approved TAC meeting minutes
2. April 6, 2023 TAC Agenda Packet
3. April 6, 2023 draft TAC meeting minutes

Recommendation

There are no recommendations from the TAC at this time.

Attachments

1. February 2, 2023 approved TAC meeting minutes
2. April 6, 2023 TAC Agenda Packet
3. April 6, 2023 draft TAC meeting minutes

Item No. 7.a.1

**North Bay Water Reuse Authority
Technical Advisory Committee
Zoom Meeting Minutes
February 2, 2023
Approved April 6, 2023**

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 2:04 p.m. on Thursday, February 2, 2023. The meeting was a Zoom meeting only and attendees participated via the following link: <https://us02web.zoom.us/j/81859156246>.

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Pam Jeane, Vice Chair	Sonoma Valley County Sanitation District
Kevin Booker	Sonoma Water
Erik Brown	Novato Sanitary District
Grant Davis	Sonoma Water
Jasmine Diaz	City of Petaluma
Brad Elliott	Sonoma Water
Curtis Paxton	Las Gallinas Valley Sanitary District
Paul Sellier	Marin Municipal Water District
Jake Spaulding	Sonoma Water
Chelsea Thompson	City of Petaluma
Tony Williams	North Marin Water District

Others Present

Member Agencies
None

Consultant Team

Chuck Weir, Program Manager	Weir Technical Services
Rene Guillen	Brown & Caldwell
Jim O'Toole	ESA

2. Approval of the Agenda

The Agenda was approved with no changes. For the benefit on new members, introductions were made.

3. Public Comments

There were no public comments.

4. TAC Meeting Minutes of November 3, 2022

The TAC Meeting Minutes of November 3, 2022 were unanimously approved.

Item No. 7.a.1

5. Amended Scope of Work and Cost Sharing for Sea Level Rise Adaptation Vision

Jim O'Toole summarized the changes that have been made in the scope of work for the Sea Level Rise Adaptation project. It is now being described as a Vision rather than a Plan. Meetings were held with Marin County and City of Petaluma, who are both now on board with the revised scope. Sonoma Valley County Sanitation District has opted out of the study. That means that one agency dropped out and one agency was added resulting in no change in the cost sharing that was approved by the Board back in June 2022. The total cost remains at \$125,000.

A redline version of the revised scope as compared to the originally approved scope was reviewed by the TAC, along with a clean version. The changes will need to be approved by the NBWRA Board as well as the Sonoma Water Board. The NBWRA Board is scheduled to review on March 27, 2023.

A motion by Pam Jeane, seconded by Curtis Paxton to approve the Amended Scope of Work for the Sea Level Rise Adaptation Vision and that it be recommended to the NBWRA Board for approval was unanimously approved.

7. Next Meeting

The next meeting is scheduled for March 3, 2023.

The TAC discussed the possibility of storm water capture as a future NBWRA project. There has been significant rainfall over the last two months and much of it just flows out to sea. Capturing some of the flow for groundwater recharge or storage in reservoirs could be a viable study for NBWRA. TAC members described the efforts of their agencies in this area. Rene Guillen stated that this will be a component of the drought contingency study.

Kevin Booker discussed the process for approval by the Sonoma Water Board. He requested the final scopes and budget from the Program Manager.

8. Adjournment

There being no further business Chair Healy adjourned the meeting at 2:34 p.m.

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Item No. 7.a.2

NORTH BAY WATER REUSE AUTHORITY TECHNICAL ADVISORY COMMITTEE

Thursday, April 6, 2023

Agenda

2:00 PM

Zoom Meeting: <https://us02web.zoom.us/j/81859156246>

	1.		Call to Order and Self Introductions
	2.	Action	Approval of Agenda
	3.		Public Comments
Pages 2 – 3	4.	Action	TAC Meeting Minutes of February 2, 2023
Page 4	5.	Information	Status of Consultant Agreement Approval
Page 5	6.	Discussion	Report on Sea Level Rise Projects per Board Request
Page 6	7.	Discussion	Collaborative Efforts with NBWA and other Organizations Report per Board Request
Page 7	8.	Discussion	Other Potential Resilience Arenas – Stormwater Capture, Desalination, Others
Page 8	9.	Discussion	FY2023/24 Budget
	10.	Information	Next Meeting, May 4, 2023
	11.		Adjournment

Item No. 7.a.2

**North Bay Water Reuse Authority
Technical Advisory Committee
Zoom Meeting Minutes
February 2, 2023**

Draft

Approved _____

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 2:04 p.m. on Thursday, February 2, 2023. The meeting was a Zoom meeting only and attendees participated via the following link: <https://us02web.zoom.us/j/81859156246>.

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Pam Jeane, Vice Chair	Sonoma Valley County Sanitation District
Kevin Booker	Sonoma Water
Erik Brown	Novato Sanitary District
Grant Davis	Sonoma Water
Jasmine Diaz	City of Petaluma
Brad Elliott	Sonoma Water
Curtis Paxton	Las Gallinas Valley Sanitary District
Paul Sellier	Marin Municipal Water District
Jake Spaulding	Sonoma Water
Chelsea Thompson	City of Petaluma
Tony Williams	North Marin Water District

Others Present

Member Agencies
None

Consultant Team

Chuck Weir, Program Manager	Weir Technical Services
Rene Guillen	Brown & Caldwell
Jim O'Toole	ESA

2. Approval of the Agenda

The Agenda was approved with no changes. For the benefit on new members, introductions were made.

3. Public Comments

There were no public comments.

4. TAC Meeting Minutes of November 3, 2022

The TAC Meeting Minutes of November 3, 2022 were unanimously approved.

Item No. 7.a.2

5. Amended Scope of Work and Cost Sharing for Sea Level Rise Adaptation Vision

Jim O'Toole summarized the changes that have been made in the scope of work for the Sea Level Rise Adaptation project. It is now being described as a Vision rather than a Plan. Meetings were held with Marin County and City of Petaluma, who are both now on board with the revised scope. Sonoma Valley County Sanitation District has opted out of the study. That means that one agency dropped out and one agency was added resulting in no change in the cost sharing that was approved by the Board back in June 2022. The total cost remains at \$125,000.

A redline version of the revised scope as compared to the originally approved scope was reviewed by the TAC, along with a clean version. The changes will need to be approved by the NBWRA Board as well as the Sonoma Water Board. The NBWRA Board is scheduled to review on March 27, 2023.

A motion by Pam Jeane, seconded by Curtis Paxton to approve the Amended Scope of Work for the Sea Level Rise Adaptation Vision and that it be recommended to the NBWRA Board for approval was unanimously approved.

7. Next Meeting

The next meeting is scheduled for March 3, 2023.

The TAC discussed the possibility of storm water capture as a future NBWRA project. There has been significant rainfall over the last two months and much of it just flows out to sea. Capturing some of the flow for groundwater recharge or storage in reservoirs could be a viable study for NBWRA. TAC members described the efforts of their agencies in this area. Rene Guillen stated that this will be a component of the drought contingency study.

Kevin Booker discussed the process for approval by the Sonoma Water Board. He requested the final scopes and budget from the Program Manager.

8. Adjournment

There being no further business Chair Healy adjourned the meeting at 2:34 p.m.

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ITEM NO. 5 STATUS OF CONSULTANT AGREEMENT APPROVAL

Action Requested

None

Summary

SCWA staff will provide an update on the status of consultant agreement approval.

Recommendation

None

ITEM NO. 6 REPORT OF SEA LEVEL RISE PROJECTS PER BOARD REQUEST

Action Requested

Determine what other projects are planned or underway in the North Bay area and which organizations would be interested in making a presentation to the Board.

Summary

Several organizations were mentioned by Board members including, BCDC. What other organizations are involved in sea level rise projects and would they be willing to make a presentation to the Board?

Recommendation

Determine what other projects are planned or underway in the North Bay area and which organizations would be interested in making a presentation to the Board.

ITEM NO. 7 COLLABORATIVE EFFORTS WITH NBWA AND OTHER ORGANIZATIONS REPORT PER BOARD REQUEST

Action Requested

Determine what other organizations would be suitable for collaboration and discuss options for development.

Summary

Previous efforts at collaboration with NBWA were not completed due to scheduling issues and changes in leadership at NBWA. This effort can be resumed with minimal effort. Developing collaborative efforts with other organizations is currently not a budgeted task. The TAC can discuss which organizations might be suitable for collaboration and also discuss the level of effort that might be required. This was a request from the Board, so there should be some willingness to approve the costs associated with developing collaboration efforts with other organizations. Exactly which organizations would be suitable should also be discussed.

Recommendation

Discuss collaboration with other organizations and develop a report to the Board at the April 24, 2023 meeting.

ITEM NO. 8 OTHER POTENTIAL RESILIENCE ARENAS – STORMWATER CAPTURE, DESALINATION, OTHERS

Action Requested

Discuss other potential Resilience Arenas for possible NBWRA activity, including stormwater capture, desalination, and others.

Summary

Over the past several months, TAC members and asked the Program Manager is NBWRA is considering stormwater capture and desalination projects. These topics are not currently included in NBWRA's portfolio, but could be if there is sufficient interest from the member agencies. The TAC should discuss these and other potential new resilience arenas and provide direction to the consultant team. These topics could be part of FY2023/24 budget development.

Recommendation

Discuss other potential Resilience Arenas for possible NBWRA activity, including stormwater capture, desalination, and others, and provide direction to the consultant team.

ITEM NO. 9 FY2023/24 BUDGET

Action Requested

Discuss Development of an FY2023/24 Budget

Summary

Final approval of the B&C agreement has been delayed and will likely only cover one to two months of the current fiscal year. One option would be to not consider an FY2023/24 Budget at this time, but wait until some of the issues discussed in previous agenda items are more fully fleshed out such that levels of effort and costs can be developed. This could take several months meaning an FY2023/24 budget will need to be delayed if one is determined to be needed.

Recommendation

Determine next steps for development of an FY2023/24 Budget.

Item No. 7.a.c

**North Bay Water Reuse Authority
Technical Advisory Committee
Zoom Meeting Minutes
April 6, 2023
Approved _____, 2023**

1. Call to Order and Self Introductions

Chair Healy called the Technical Advisory Committee (TAC) meeting to order at 2:08 p.m. on Thursday, April 6, 2023. The meeting was a Zoom meeting only and attendees participated via the following link: <https://us02web.zoom.us/j/81859156246>.

Committee Members Present

Tim Healy, Chair	Napa Sanitation District
Pam Jeane, Vice Chair	Sonoma Valley County Sanitation District
Chris Choo	Marin County
Grant Davis	Sonoma Water
Jasmine Diaz	City of Petaluma
Brad Elliott	Sonoma Water
Curtis Paxton	Las Gallinas Valley Sanitary District
Paul Sellier	Marin Municipal Water District
Jake Spaulding	Sonoma Water
Chelsea Thompson	City of Petaluma

Others Present

Member Agencies
None

Consultant Team

Chuck Weir, Program Manager	Weir Technical Services
Rene Guillen	Brown & Caldwell
Jim O'Toole	ESA

2. Approval of the Agenda

The Agenda was approved with no changes. For the benefit of new members, introductions were made.

3. Public Comments

There were no public comments.

4. TAC Meeting Minutes of November 3, 2022

The TAC Meeting Minutes of February 2, 2023 were unanimously approved.

5. Status of Consultant Agreement Approval

Sonoma Water staff stated that the SCWA Board has approved the B&C agreement on April 4, 2023 and that the agreement would soon be fully executed.

6. Report on Sea Level Rise Projects per Board Request

Following discussion Jim O'Toole offered to prepare a presentation for the Board. The Program Manager offered to check with SFEI and BACWA for information they might have available. Pam Jeane indicated that she was contacting folks from the Restoration Authority about a possible speaker for the Board and that she would coordinate with the Program Manager.

7. Collaborative efforts with NBWA and Other Organizations per Board Request

Following discussion the TAC agreed to resurrect the stalled efforts with NBWA and that efforts with other organizations could wait until the results of the NBWA effort were available. It was also noted that significant efforts would require additional budget for the consultants and SCWA staff.

8. Other Potential Resilience Arenas – Stormwater Capture, Desalination, Others

TAC members shared the efforts of their agencies. It was agreed that the Program Manager would survey the member agencies to see what stormwater capture and desalination projects they are considering. This could lead to new Resilience Arenas for NBWRA, which would need to be developed for future budgets. It was also agreed that status reports on the three FY22/23 Resilience Arenas would become a regular report for TAC and Board meetings.

9. FY2023/24 Budget

The TAC recognized that since the B&C agreement has just been approved work on the FY22/23 Resilience Arena projects has been delayed and will carry over into FY23/24. Pending development of new resilience arenas as discussed for stormwater capture or desalination consultant scopes of work will wait for those results. As a consequence a budget for FY23/24 is premature at this time.

10. Next Meeting

The next meeting is scheduled for May 4, 2023.

11. Adjournment

There being no further business, Chair Healy adjourned the meeting at 3:02 p.m.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 24, 2023

ITEM NO. 7.b CONSULTANT PROGRESS REPORTS

Action Requested

None at this time.

Summary

The consultant progress reports for Brown & Caldwell and Weir Technical Services have been infrequent since the last Board meeting in June 2022. Once the full scopes of work and budget for FY2022/23 have been approved progress reports will be prepared on a more normal schedule.

Recommendation

None at this time. This is an information item only.

Attachments

None

ITEM NO. 7.c REPORTS ON BAY AREA SEA LEVEL RISE PROJECTS AND COLLABORATIVE EFFORTS WITH OTHER ORGANIZATIONS PER BOARD REQUEST

Action Requested

None at this time.

Summary

At the March 27, 2023 meeting the Board requested reports on sea level rise projects in the Bay Area as well as a report on collaborative efforts with other organizations.

Sea Level rise Projects in the Bay Area

There are many on-going planning efforts related to sea level rise adaptation in the Bay Area. The consulting team and Sonoma Water is reaching out to coordinate with San Francisco Estuary Institute (SFEI) in the preparation of an overview of SLR planning being implemented by BCDC, SFEI, the Restoration Authority, Marin County, and other organizations to provide the Board with additional information and context. A brief summary of regional SLR planning efforts by BCDC and SFEI is provided below, and we anticipate coordinating speakers from these organizations for the June 26, 2023 Board Meeting.

BCDC has been implementing regional planning under its Adapting to Rising Tides (ART) Program. In 2010, the San Francisco Bay Conservation and Development Commission (BCDC) and NOAA's Office for Coastal Management (NOAA OCM) brought together local, regional, state and federal agencies and organizations, as well as non-profit and private associations for a collaborative planning project along the Alameda County shoreline – the [ART Subregional Project](#) – to identify how current and future flooding will affect communities, infrastructure, ecosystems and economy. Since then, the ART Program has continued to both lead and support multi-sector, cross-jurisdictional projects that build local and regional capacity in the San Francisco Bay Area to plan for and implement adaptation responses. These efforts have enabled the ART Program to test and refine adaptation planning methods ([ART Approach](#)) to integrate sustainability and transparent decision-making from start to finish, and foster robust collaborations that lead to action on adaptation.

One of the key tools developed by BCDC is the [ART Bay Shoreline Flood Explorer](#) a website designed to help Bay Area communities, local governments, and the general public understand current and future flooding risks due to sea level rise and storms. This mapping was used in the development of graphics to support Resilience Area 4, Sea Level Rise Adaptation.

The San Francisco Estuary Institute (SFEI) has prepared various studies related to sea level rise. Several links listed below provide summaries of SFEI reports related to seal level rise. Each link includes additional link(s) to attachment(s) for the full reports that can be downloaded and reviewed.

1. San Francisco Bay Shore inventory: Mapping for Sea Level Rise Planning: <https://www.sfei.org/documents/san-francisco-bay-shore-inventory-mapping-sea-level-rise-planning>
2. Shallow Groundwater Response to Sea Level Rise: Alameda, Marin, San Francisco, and San Mateo Counties: <https://www.sfei.org/documents/shallow-groundwater-response-sea-level-rise-alameda-marin-san-francisco-and-san-mateo>
3. Shallow Groundwater Mapping: Alameda, Marin, San Francisco, and San Mateo Counties: <https://www.sfei.org/data/shallow-groundwater-mapping>

The Bay Area Clean Water Agencies (BACWA) is also focusing on sea level rise and climate change. BACWA is a joint powers agency that includes virtually all of the wastewater treatment plants in the Bay Area. BACWA maintains a comprehensive Key Regulatory Issues Summary for its members. The most recent update January 30, 2023 includes updates on Climate Change Mitigation and Climate Change Adaptation. Those two pages have been extracted from the Issues Summary and are attached for the Board's information. The pink highlighted text indicates updates from the previous version.

These and other resources will be leveraged and applied to the NBWRA scope of work to identify a vision for adaptation at participating member agency facilities.

Collaborative Efforts with Other Organizations

NBWRA was working with North Bay Watershed Association (NBWA) to develop collaborative efforts. Unfortunately, efforts to schedule a meeting with each organizations Chair, Vice Chair, and key staff were unsuccessful. The November 2022 election also had an impact. Efforts to schedule a meeting will be restarted and reported to the Board at a later date.

At the April 6, 2023 TAC meeting it was agreed to focus on NBWA at this time and wait for those results to determine which other organizations should be contacted for potential collaborative efforts. The Board should also note that there currently is no budget for these efforts in the consultant agreements or in SCWA staff time allocated to NBWRA.

Recommendation

None at this time. This is an information item only.

Attachments

1. Presentation on Bay Area Sea Level Rise Projects.
2. BACWA Regulatory Issues Summary for Climate Change Mitigation and Climate Change Adaptation.

NBWRA SLR Adaptation Plan: SLR Planning Background

NBWRA Board Meeting
April 24, 2023



NBWRA Resiliency Arenas

Arena 1: Recycled Water Program

Arena 2: Drought Contingency
Program

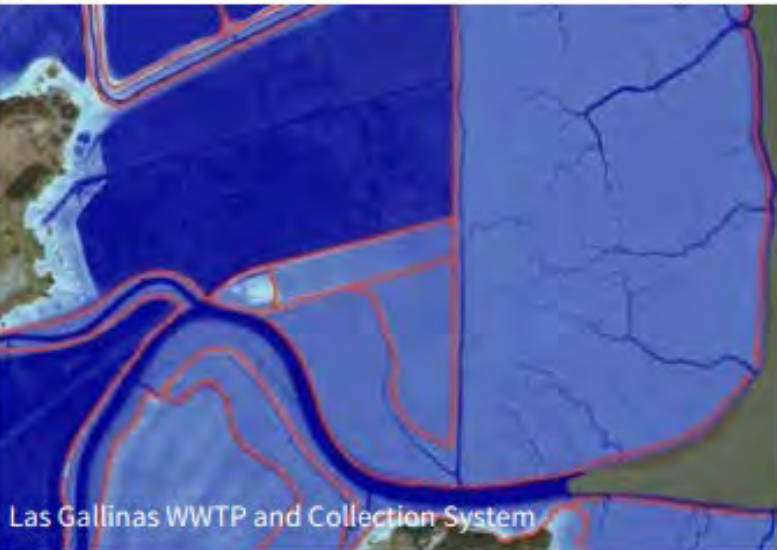
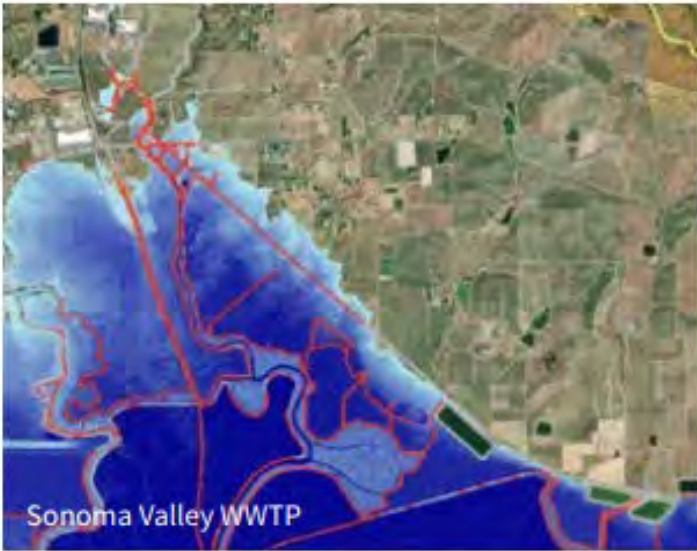
Arena 3: Indirect Potable Reuse

Arena 4: Sea Level Rise



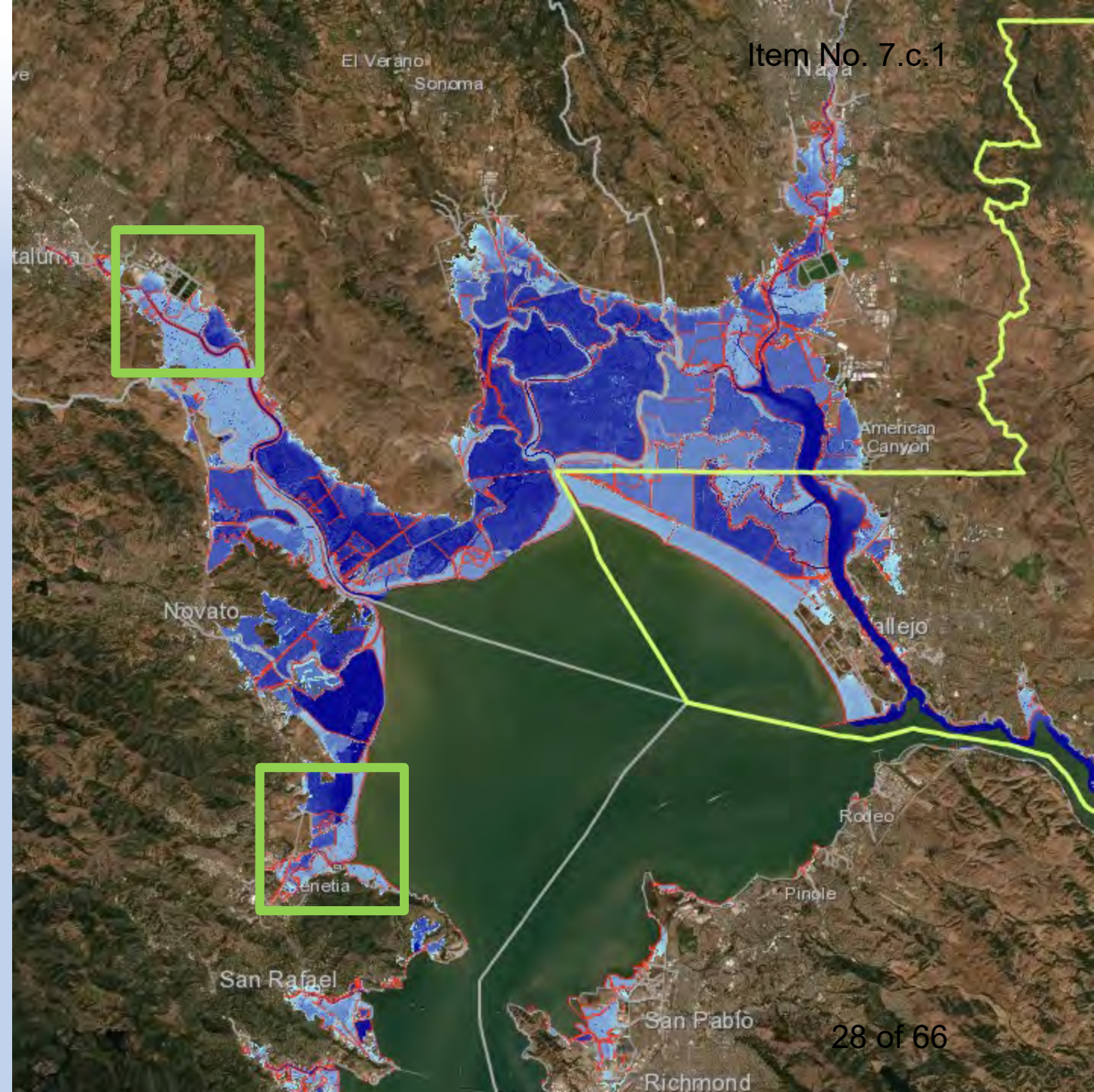
NBWRA and North Bay Facilities are at risk.

The graphics on this page are from Bay Shoreline Flood Explorer (<https://explorer.adaptingtorisingtides.org/learn>). They show that flooding in a 100-year event with 3.5 feet in sea level rise would potentially impact a number of wastewater treatment plants in the area.



Sea Level Rise at NBWRA

Participating Agencies



Work that's Already Completed:

Marin County Hazard Mitigation Plan:

- County Assessment of SLR Hazard: Ranks 2nd in Nine Bay Area Counties for risk of impact: \$8.5 Billion

BayWave Vulnerability Analysis

- Coastal Conservancy Grant Funded

Adapting to Rising Tides- BCDC Guidance, SFEI Operational Landscape Units

LGVSD SLR Vulnerability: Facility Specific

Marin County Parks: McInnis Marsh Restoration - 30% Design

- Considering giving funding back to Restoration Authority

City of San Rafael: General Plan 2040 Identifies Adaptation Plan

Sonoma Water Climate Resiliency Plan: SVCSD Improvements

Petaluma: Ecotone Slope Concept



BCDC Adapting to Rising Tides (ART) Program

- 💧 Adapting to Rising Tides (ART) Program
- 💧 Provides Adaptation Roadmap
- 💧 Provides Mapping Tools
 - Inundation Mapping for 90 combinations of SLR and extreme tide conditions
- 💧 Gap Analysis; Short Report (2020)

Adapting to Rising Tides > ART Bay Area Sea Level Rise and Shoreline Analysis Maps

Findings +

Maps and Data Products >

Projects -

Regional -

ART Bay Area Sea Level Rise and Shoreline Analysis Maps

The Adapting to Rising Tides (ART) program recently developed integrated Bay Area Sea Level Rise and Shoreline Analysis maps needed to support consistent sea level rise assessment and adaptation around the region.

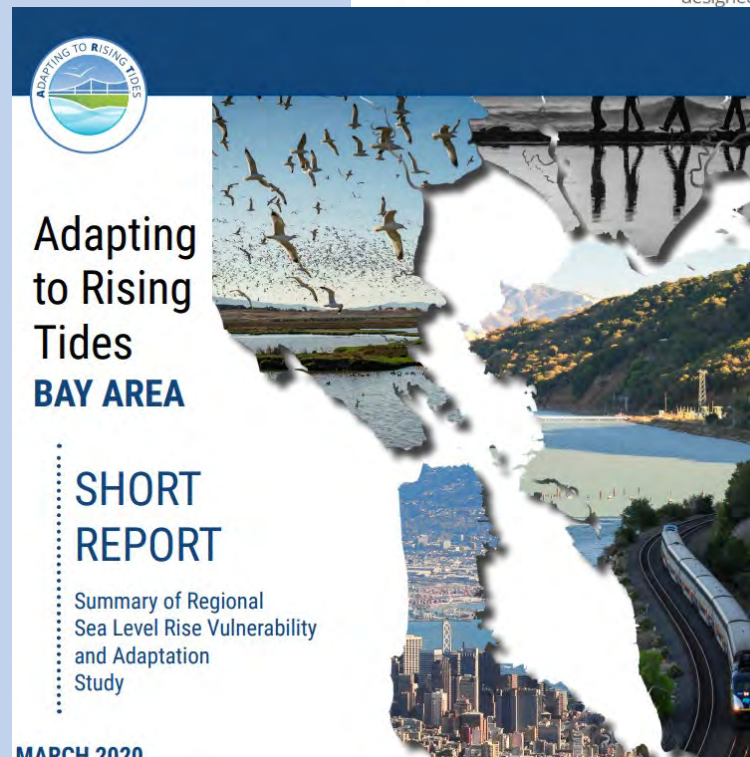
ART Bay Area Sea Level Rise and Shoreline Analysis maps are now available online at the [Bay Shoreline Flood Explorer](#).

The [ART Bay Shoreline Flood Explorer](#) is a website designed to help Bay Area communities, local governments, and the general public understand and future flooding risks due to sea level rise. The website will help users learn about sea level rise, explore interactive flood maps, and access GIS data. These maps show what could happen without adaptation and identify specific areas that face the greatest risk, helping Bay Area residents, governments, and businesses to take action.

The Bay Area Sea Level Rise and Shoreline Analysis Maps are robust and accurate mapping products that use the latest LiDAR topographic data from the FEMA San Francisco Bay Area Coastal Protection and Management Study, San Francisco Tidal Datums Study, and other data to provide a detailed shoreline delineation developed by the San Francisco Estuary Institute.



The ART Bay Shoreline Flood Explorer allows for interactive exploration and download of the Bay Area sea level rise and shoreline analysis maps. These maps depict areas at risk of temporary or permanent flooding due to sea level rise and storms as well as shoreline overtopping.



BCDC Gap Analysis: 2021 Progress, Gaps Needs Survey

Staffing and Funding Were Identified as the Key Barriers



2021 Progress, Gaps & Needs Survey

Item No. 7.c.1

for Sea Level Rise Adaptation in the Bay Area



A collaborative effort by [BCDC](#), [BayCAN](#), [MTC/ABAG](#), [BARC](#), [SFEI](#), [SFEF](#)

A **snapshot of progress** around the Bay, with special focus on barriers to effective sea level rise (SLR) planning and adaptation at local jurisdictions.

Directors of Planning and Public Works at 9 counties, 54 cities, and 2 special districts were invited to participate in spring 2021.



92%

Indicate they have insufficient **staff & funds** to adequately plan & prepare for SLR

55%

Have **unmet staffing needs** for SLR planning, of those 2/3 don't have plans to hire

over 65%

Report **hiring personnel** to work on SLR-related tasks, but most them work on SLR less than 1/4 of the time

over 50%

Of the **vulnerability assessments** that have been done identify risks to **disadvantaged & socially vulnerable** groups

45%

Do not have an **adaptation plan** at all

55%

Want training on **adaptive management**

almost 2/3rds

Indicate a lack of **state legislation to provide direction** is a key barrier

under 42%

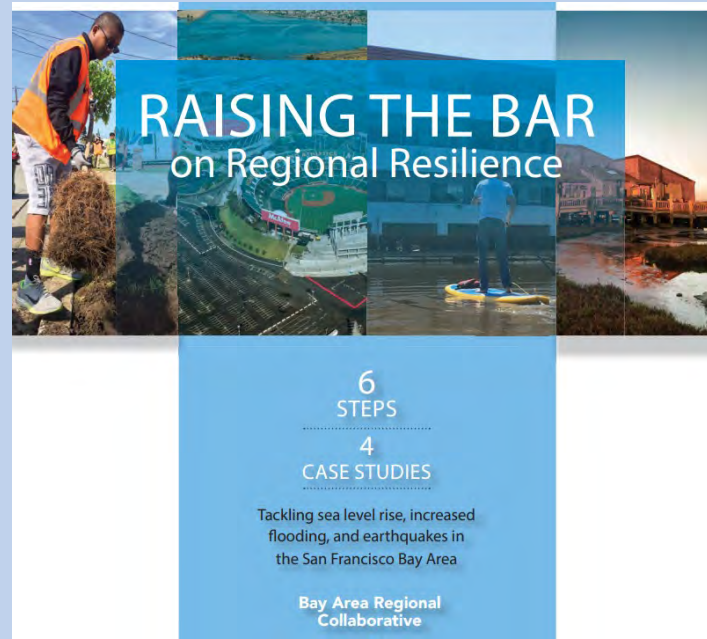
Currently use **technical tools & resources** that may be necessary for effective SLR planning

Responses varied by topic, so data summarized above are the results from 17 to 27 Respondents from 5 Counties • 20 Cities • 25 Special Districts

31 of 66

San Francisco Estuary Institute (SFEI)

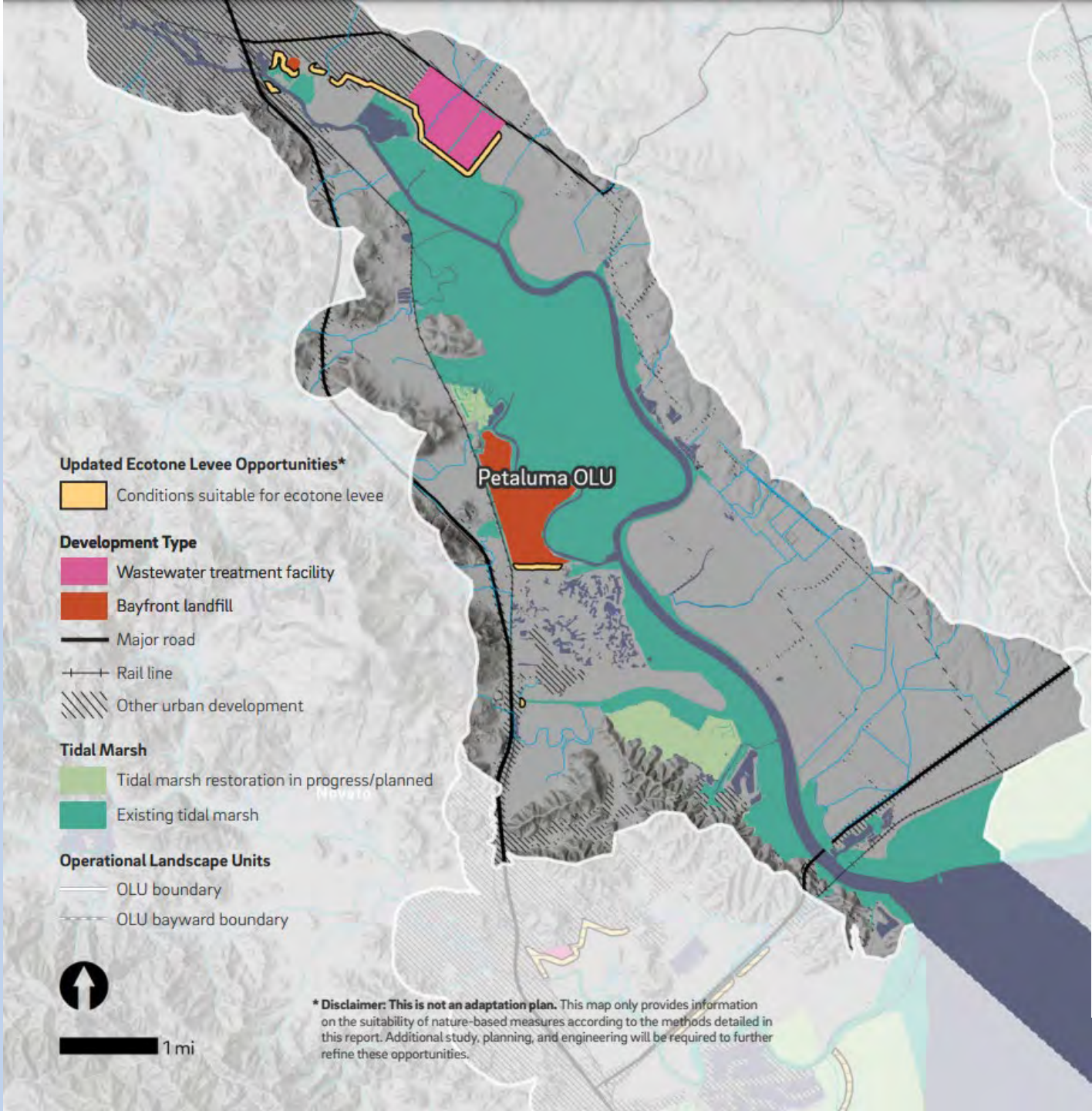
- 💧 SF Bay Shore Inventory (2016)
- 💧 San Francisco Bay Shoreline Adaptation Atlas
- 💧 Operational Landscape Units (OLUs)
- 💧 Bay Area Regional Collaborative: Raising the Bar on Regional Resilience (2017)
 - Sea Level Rise, Flooding, Earthquakes



SFEI Adaptation Atlas

Technical Update Sept 2021

Petaluma OLU



RESULTS

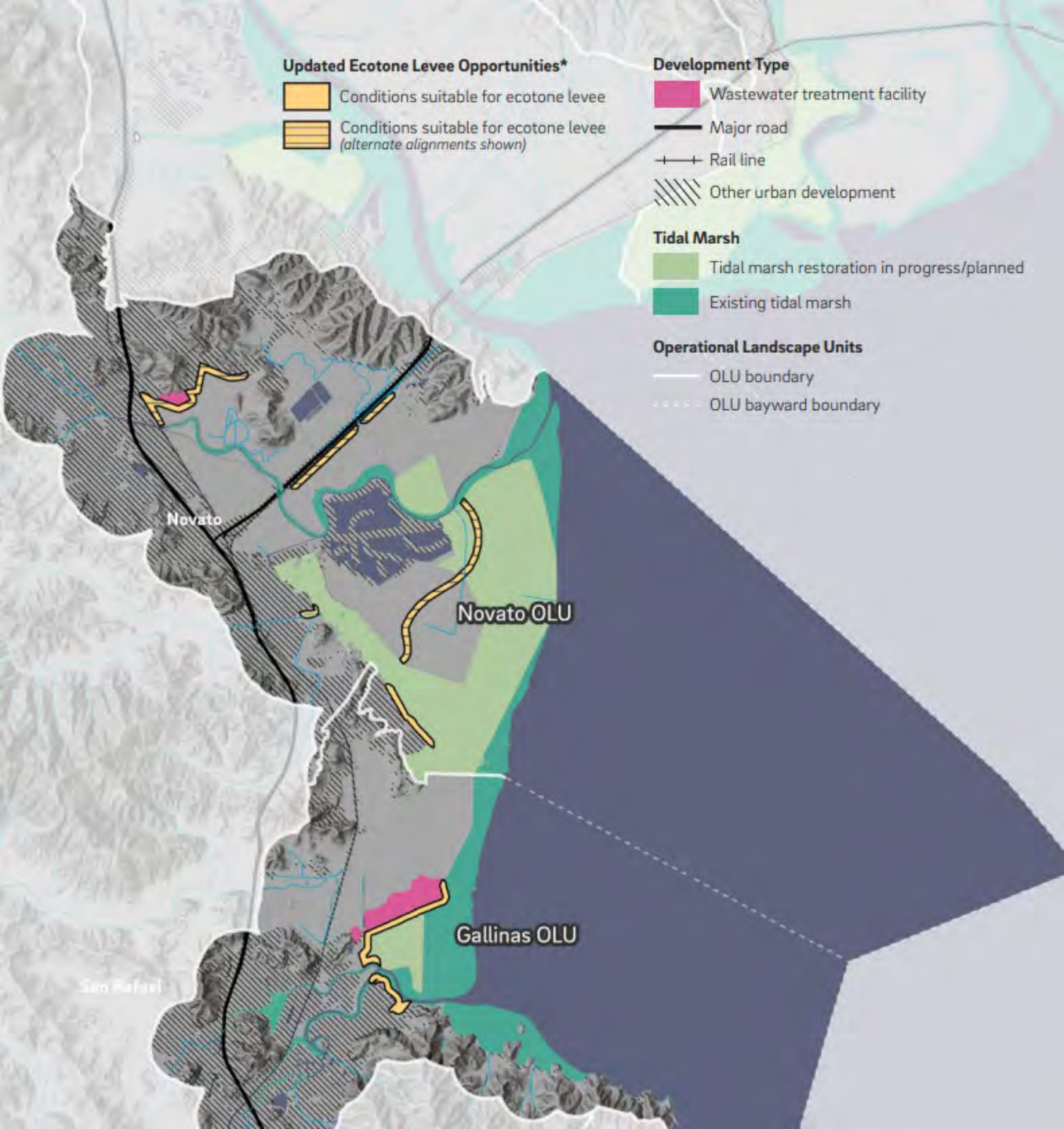
Table A2 shows the length of shoreline identified as suitable for ecotone levees in this update compared to the Adaptation Atlas. Lengths in Table A2 are approximate. Each levee opportunity segment was associated with the OLU in which the majority of the segment is located.

Table A2. Approximate length of ecotone levee opportunity identified in each OLU in the Adaptation Atlas and the updated analysis.

OLU	Length: Adaptation Atlas (2019) (miles)	Length: Updated Analysis (miles)	Difference (miles)
Richardson	2.7	1.2	-1.5
Corte Madera	1.8	3.7	1.9
San Rafael	1.4	2.4	1.0
Gallinas	1.6	2.3	0.7
Novato	2.1	6.2	4.1
Petaluma	1.2	4.2	3.0
Napa - Sonoma	9.0	13.0	4.0
Carquinez North	1.7	2.9	1.2
Suisun Slough	3.2	6.0	2.7
Montezuma Slough	0.0	0.0	0.0
Bay Point	1.0	4.8	3.8
Walnut	5.1	9.6	4.6

SFEI-Identified Ecotone Levee Opportunity

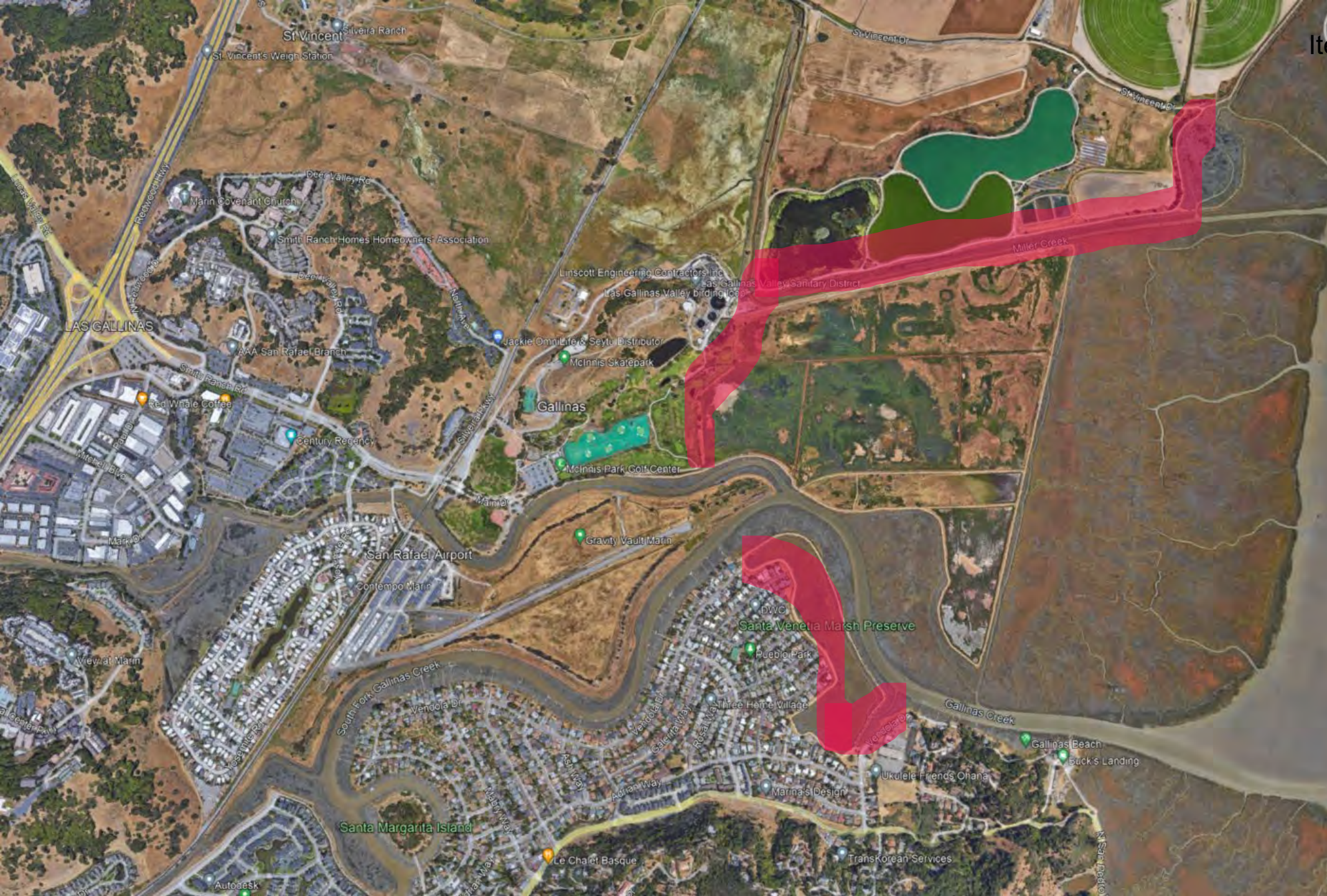




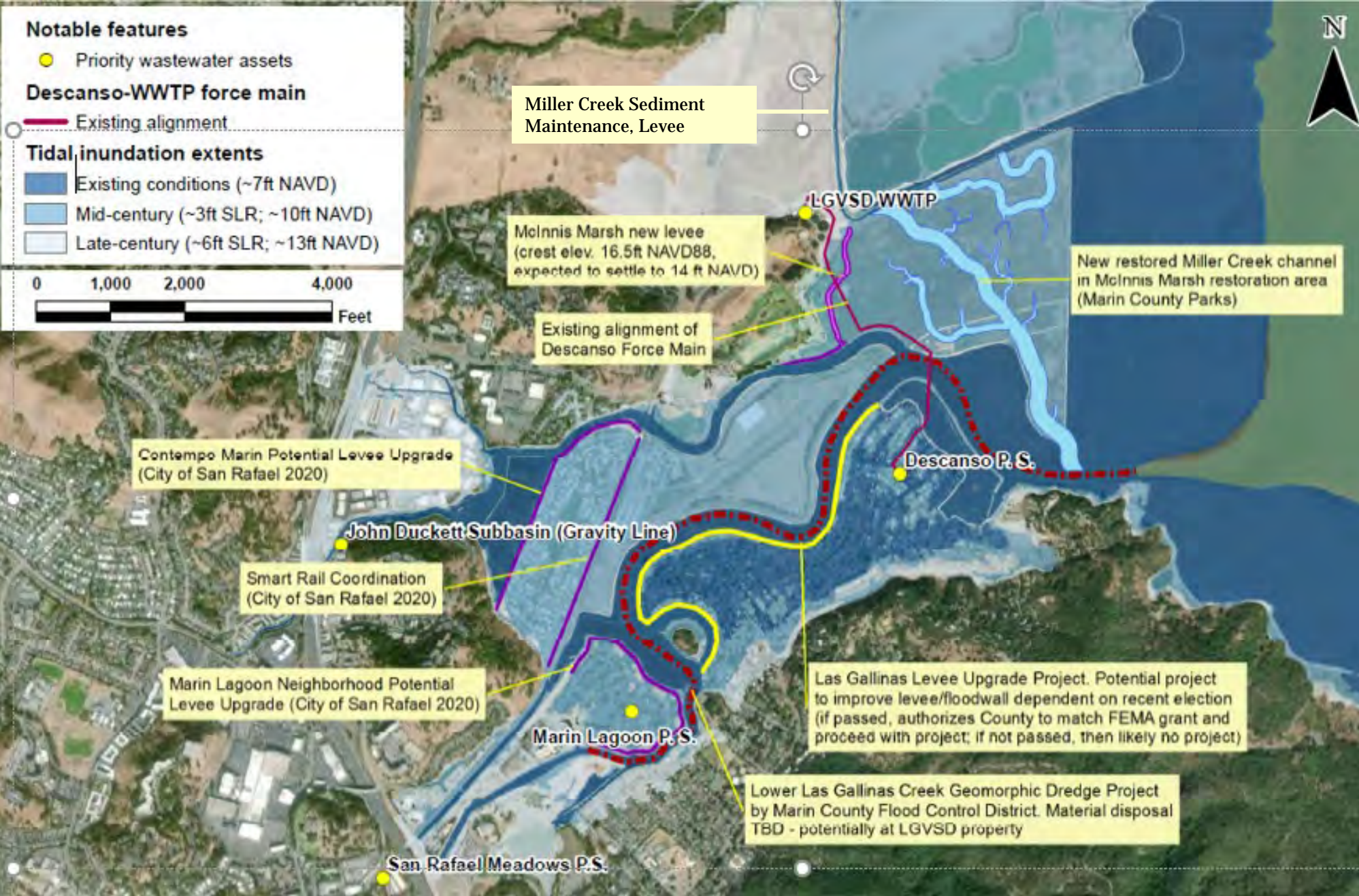
SFEI Adaptation Atlas Technical Update Sept 2021

Las Gallinas OLU

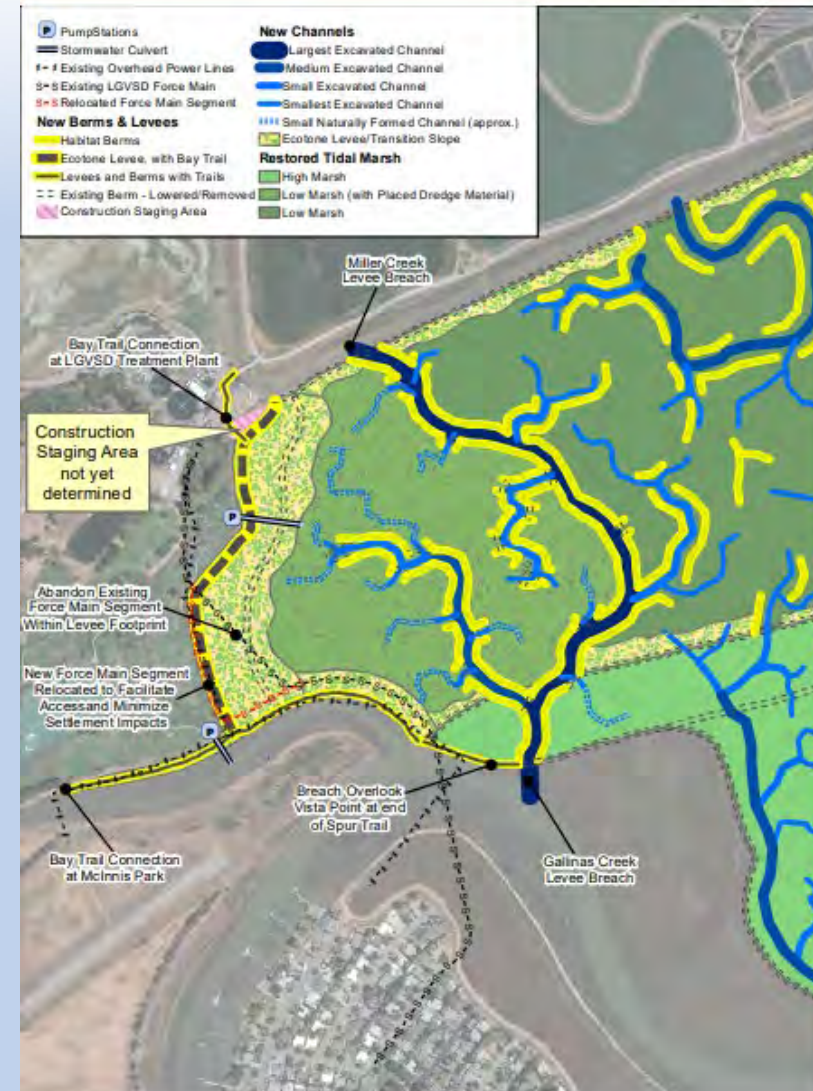




SFEI-Identified Ecotone Levee Opportunity



McGinnis Marsh Restoration 30% Design



PROPOSED FEATURES

- Lower levees separating the marsh from Miller Creek, Gallinas Creek, and San Pablo Bay.
- Breach Miller and Gallinas Creeks to allow flow into the marsh at lower tides.
- Construct a gently sloped ecotone levee between McGinnis Park Golf Course and the marsh.

PROJECT STATUS

- This project is in the design and environmental compliance phase.

PARTNERS

- Marin County Parks (lead agency)
- Las Gallinas Valley Sanitary District
- Marin County Flood Control and Water Conservation District

Funding support from:

- California Coastal Conservancy
- California Department of Fish and Wildlife



SF Bay Restoration Authority

- Regional Agency
- Projects that protect, restore and enhance San Francisco Bay
- Allocation of Measure AA Funds
 - Habitat Restoration Projects
 - Flood Protection Projects that part of a habitat restoration project
 - Shoreline access and recreational amenity projects that are part of habitat restorations

San Francisco Bay Restoration Resources

Below are plans, strategies, and guidance developed by a wide range of agencies, organizations, researchers and collaborative teams to support the protection, restoration and enhancement of San Francisco Bay. Grant applicants and reviewers are encouraged to make use of these resources in developing and evaluating proposed projects.

Restoration Authority Publications

Sea Level Rise and Climate Change Adaptation

- [Executive Order S-13-08](#)
- [Safeguarding California \(2018\)](#)
- [Cal-Adapt](#)
- [Rising Seas in California](#)
- [Our Coast Our Future](#)
- [Future San Francisco Bay Tidal Marshes](#)
- [Adapting to Rising Tides](#)
- [NOAA Sea Level Rise Viewer](#)
- [SFEI Adaptation Atlas](#)
- [SFEI Resilience Atlas Interactive Map](#)



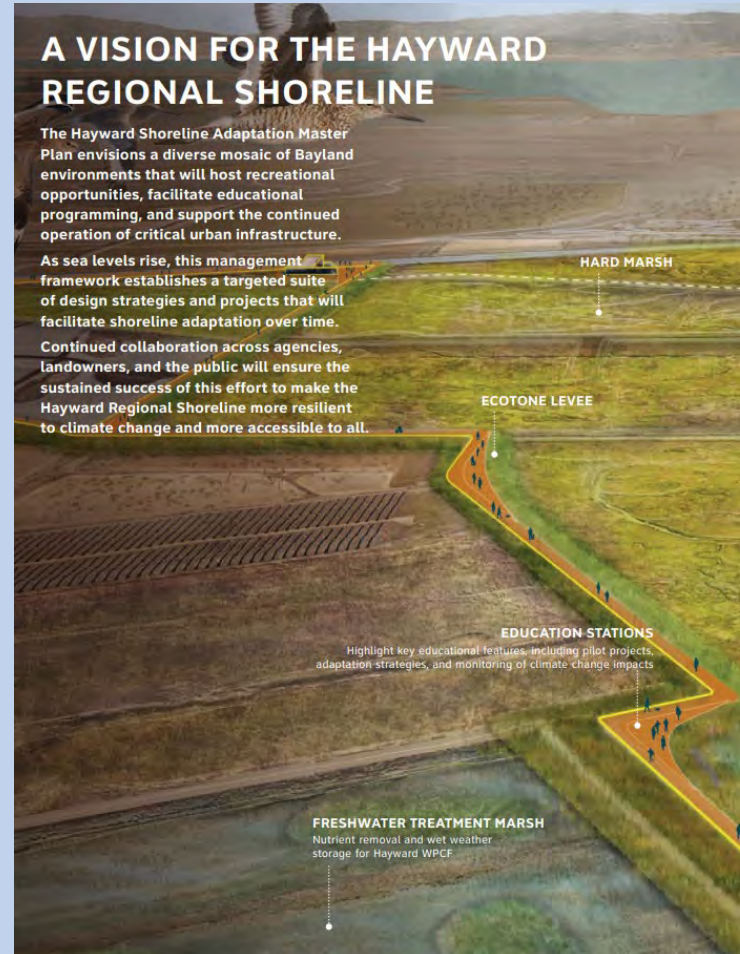
Other Sea Level Rise Efforts

💧 Sonoma Water Resilience Study



Sub Regional Planning Efforts: Hayward Shoreline Master Plan

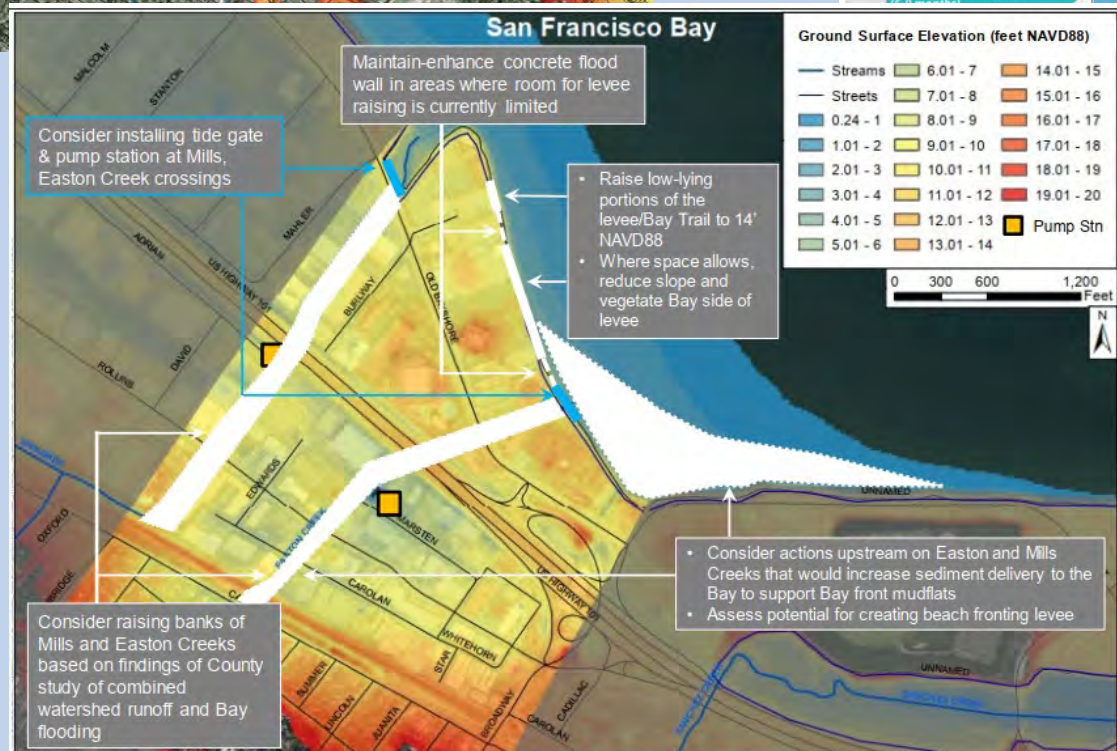
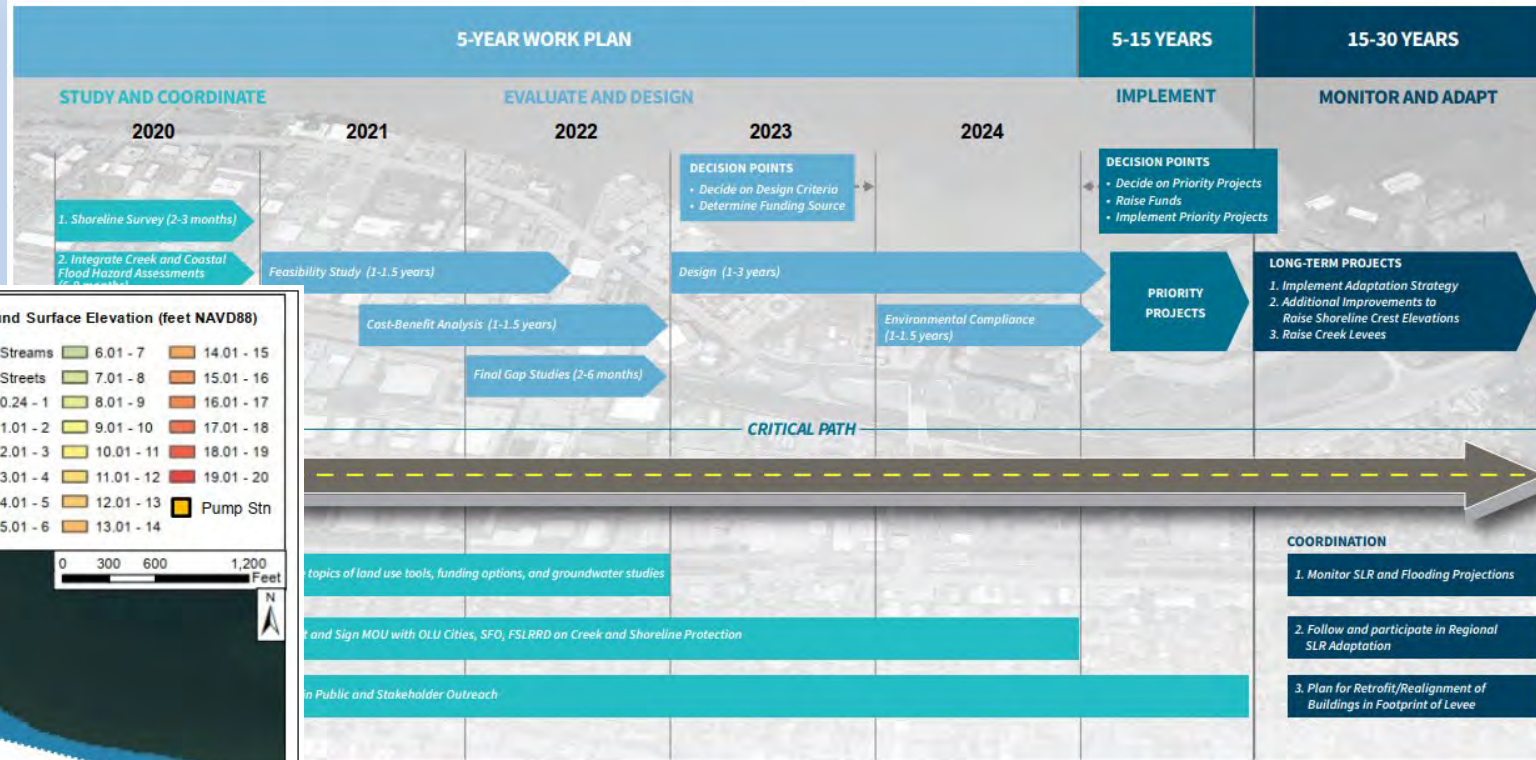
210510_Hayward Shoreline Adaptation Master Plan_Document_Pages.pdf (hayward-ca.gov)



Burlingame SLR Adaptation Road Map:



Burlingame Road Map to Sea-Level Rise Adaptation



Revised Scope of Work

- Focused on Adaptation Vision
 - Identify Overarching Objectives for participating NBWRA Facilities
 - Specific Sub-Objectives for each Facility and Study Area
 - Gallinas and Miller Creek Watersheds
 - Petaluma River
- Focused on Participating Agency Coordination/Collaboration
 - Established Series of Collaboration Meetings throughout the Scope
- Decision Making Framework:
 - Initial Vision, Goals and Objectives
 - Preliminary screening/evaluation criteria
- Summary of Risks and Vulnerabilities
- Develop Adaptation Vision
 - Previous Scope: Adaptation Options
- Next Steps Strategy and Road Map
 - Moved to Optional Task: Illustrate Concepts for Further Consideration



Questions and Discussion

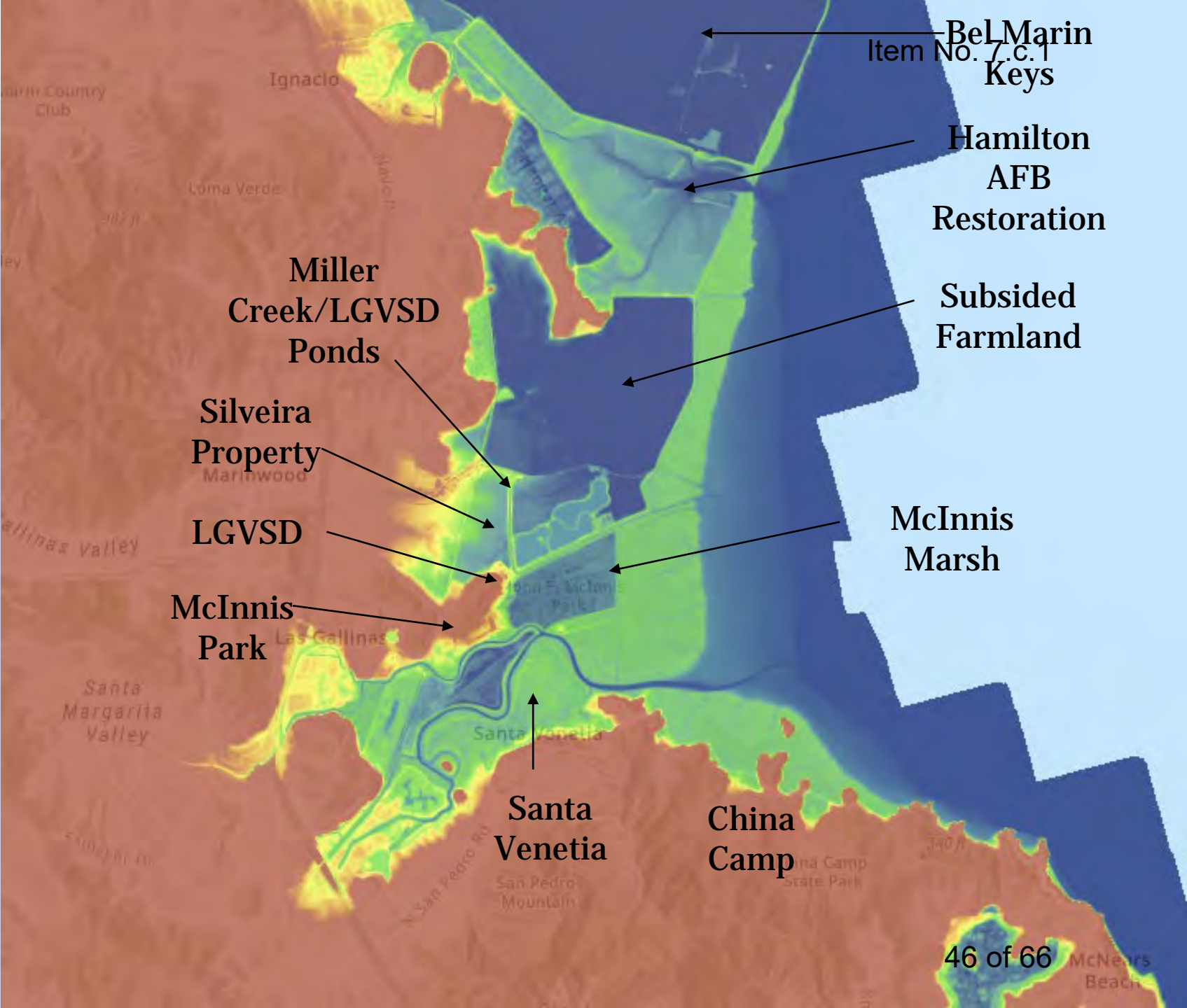
- 💧 Is there a Petaluma Resiliency Plan or document
- 💧 Are there objectives that the City Council has adopted
- 💧 What is the best way to understand the 100-year flood plain work
- 💧 Have these ecotone slope concepts been developed any further
- 💧 What are the City's interests and objectives in participation
- 💧 What would be a successful outcome?



Additional slides



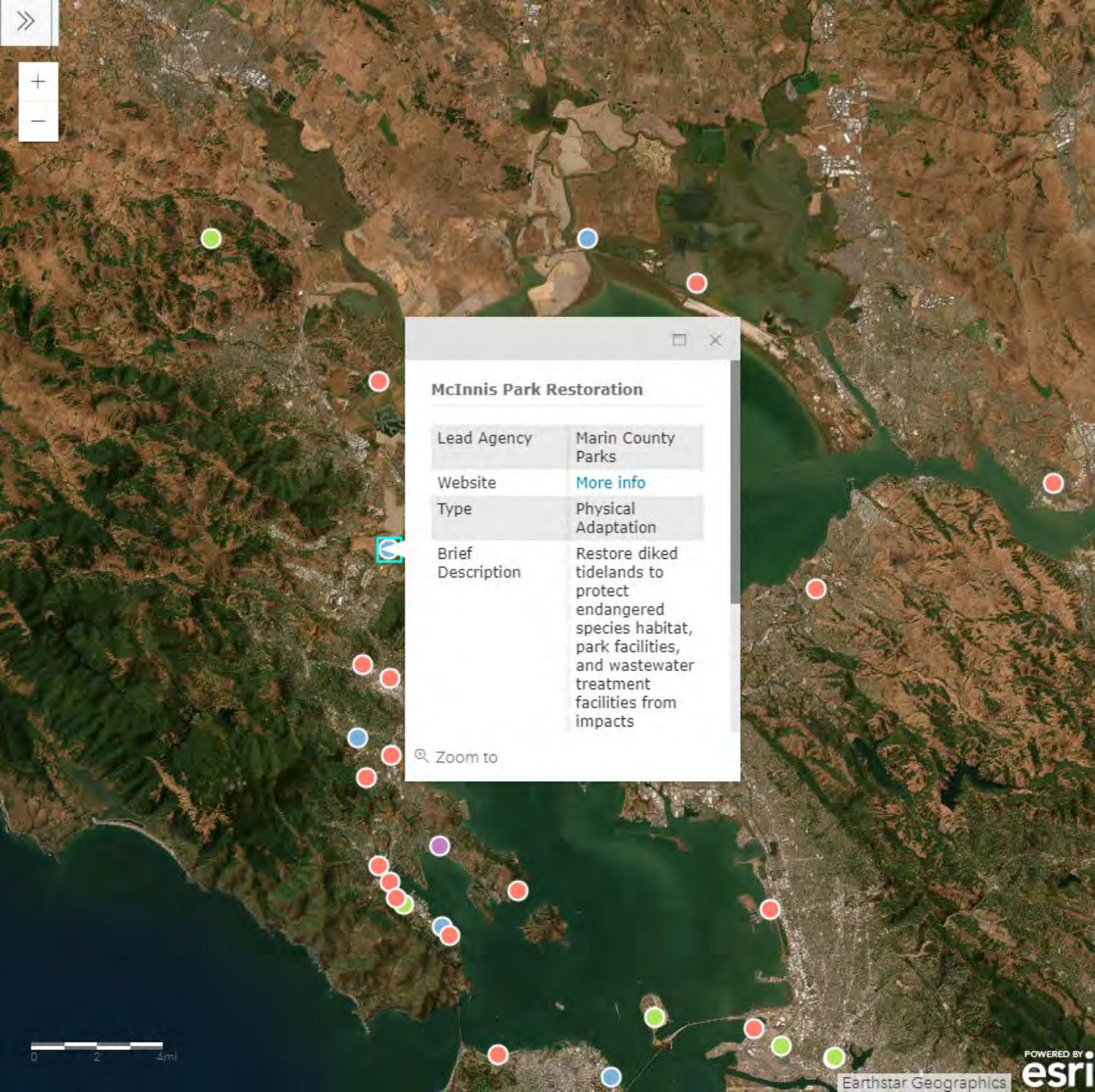
Las Gallinas/Miller Creek Opportunities



McGinnis Marsh Restoration

💧 <https://www.adaptingtorisingtides.org/adaptation-around-the-region/>





Bay Area Sea Level Rise Analysis and Mapping Project MARIN COUNTY

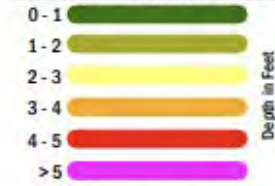
MHHW + 12" SEA LEVEL RISE

SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

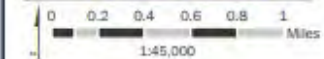
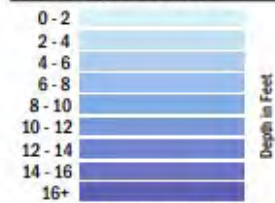
0" SLR + 1-Year Storm Surge



Shoreline Overtopping Potential



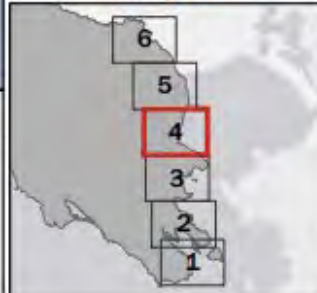
Sea Level Rise Inundation



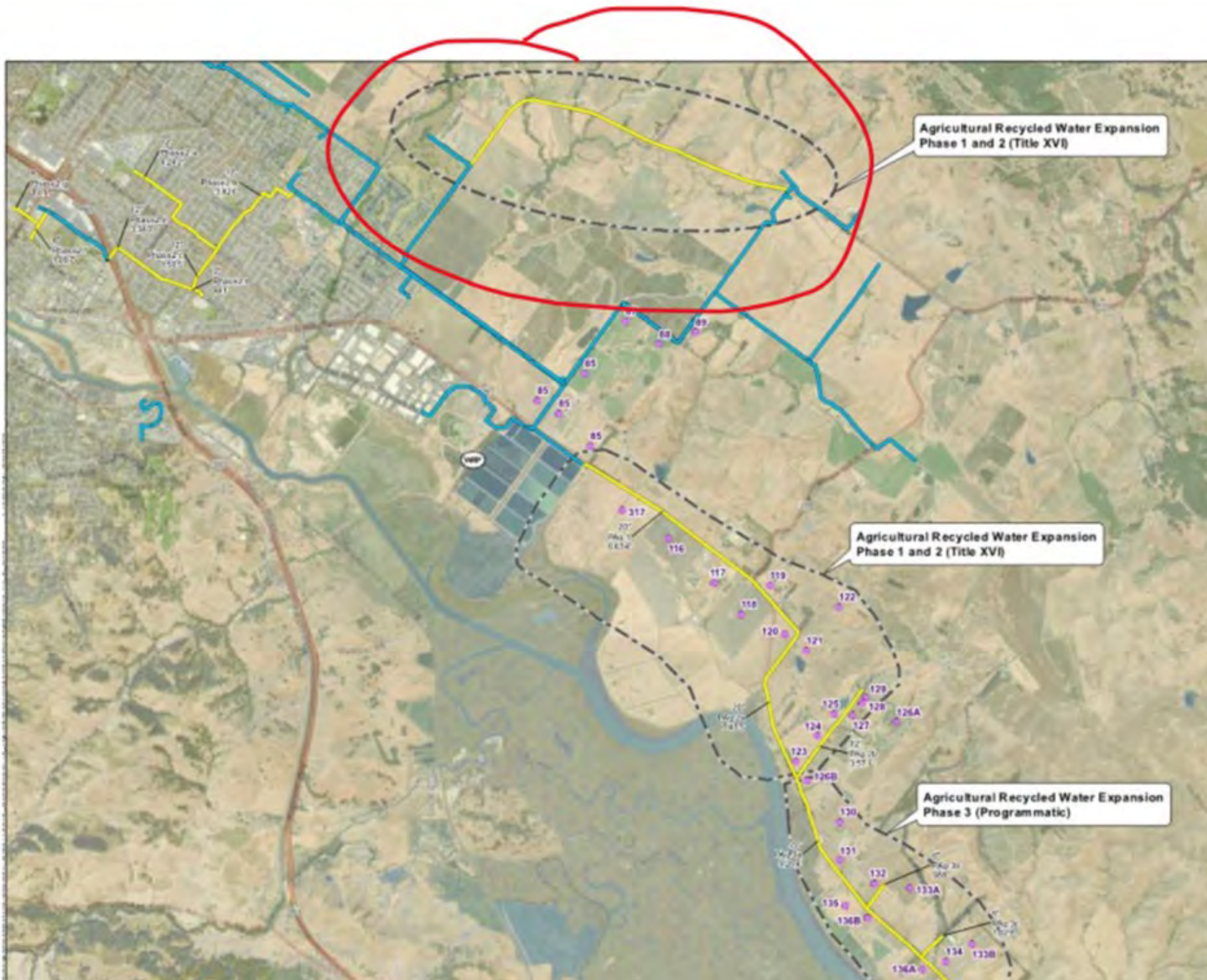
Projection:
Universal Transverse Mercator NAD83 Zone 10N



January, 2017



The inundation maps and the associated analyses provide a regional-scale illustration of inundation and coastal flooding due to specific sea level rise and storm surge scenarios, and are intended to improve sea level rise awareness and preparedness. The maps are not detailed to the parcel-scale and should not be used for navigation, permitting, regulatory, or other legal uses. Flooding due to sea level rise and storm surges is possible in areas outside of those predicted in these maps, and the maps do not guarantee the safety of an individual or structure. Nor do the maps model flooding from other sources, such as riverine or surface water flooding from rainfall-runoff events. The contributors and sponsors of this product do not assume liability for any injury, death, property damage, or other effects of flooding. The maps relied on a 1-meter digital elevation model created from LIDAR data collected in 2010 and additional survey data (where available). Although reasonable care was taken to capture all relevant topographic features and structures that may impact coastal inundation, it is possible that structures may not be fully represented, especially those that are narrower than the 1-meter horizontal map scale. The maps are based on model outputs and do not account for all of the complex and dynamic San Francisco Bay processes or future conditions such as erosion, subsidence, future construction or shoreline protection upgrades, or other changes to San Francisco Bay or the region that may occur in response to sea level rise. These inundation maps should not be used for detailed design or construction and users should consult a licensed engineer for information regarding existing and future flood risk at an individual site. For more context about the maps and analyses, including a description of the data and methods used, please see the Adapting to Rising Tides Bay Area Sea Level Rise Analysis and Mapping project report. The inundation maps and associated analyses are provided "as is." Neither BATA, the Metropolitan Transportation Commission, the Bay Conservation and Development Commission, the California Coastal Conservancy, the San Francisco Public Utilities Commission, nor their contractors, make any warranty whatsoever, whether expressed or implied, as to the accuracy, thoroughness, value, quality, validity, merchantability, suitability, condition, or fitness for a particular purpose of the inundation maps and associated analyses, nor as to whether the inundation maps and associated analyses are error-free, up-to-date, complete or based upon accurate or meaningful facts.



City of Petaluma

Legend

- Customers
- WRP Water Recycling Plant
- Existing Pipeline
- Phase 2 Pipeline



North Bay Water Reuse Program Feasibility Study

Agricultural Recycled Water Expansion -
Phase 1, Phase 2 and Phase 3



Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
CLIMATE CHANGE MITIGATION			
<ul style="list-style-type: none"> • CARB's Climate Change Scoping Plan Update lays out the approach for the State to meet its greenhouse gas (GHG) emissions reduction targets through 2030. The latest Scoping Plan was updated in 2022 targeting carbon neutrality by 2045, including policies addressing: <ul style="list-style-type: none"> ◦ Short-lived climate pollutants ◦ Carbon sequestration on Natural and Working Lands ◦ Largest emitters (transportation, electricity, and industrial sectors) • SB 1383 (Short-Lived Climate Pollutant Reduction) calls for: <ul style="list-style-type: none"> ◦ 40% methane reduction by 2030 ◦ 75% diversion of organic waste from landfills by 2025 ◦ Policy / regulatory development encouraging production/use of biogas • BAAQMD developed a Clean Air Plan requiring GHG emissions supporting CARB's 2050 target (80% below 1990 levels). • BAAQMD proposed the development of Regulation 13 (climate pollutants) targeting methane and nitrous oxide reductions related to organics diversion and management, but that effort is now on pause and lower priority than air toxics regulations. • CARB states POTWs are part of the solution for reducing fugitive methane, and encourages diversion of organics to POTWs to use available digester capacity and produce biogas. 	<ul style="list-style-type: none"> • CARB is pursuing rapid fleet conversion to zero-emission vehicles (ZEVs), including medium and heavy-duty vehicles, through the Advanced Clean Fleet rule. The proposed regulations will allow organizations to opt into one of two programs: <ul style="list-style-type: none"> ◦ Public Fleets: With exceptions, requiring 50% of vehicles added to be ZEV by 2024, and 100% by 2027. ◦ High Priority Fleet (Group 3): With exceptions, requiring 10% of vehicles added to be ZEV by 2030 and 100% by 2042. • Complete conversion will be difficult for heavy-duty specialty trucks, and will remove a potential market for biogas. CASA is engaging to request continued allowance of biogas as a sustainable transportation fuel. • In addition to pushing for ZEVs, CARB is proposing changes to the Low Carbon Fuel Standard that reflect increasing emphasis on hydrogen as a transportation fuel. Conversion of biogas into hydrogen is currently in research & development stage. • Many POTWs are exploring energy generation, but BAAQMD TAC regulations could make such programs more difficult to implement. Direct injection of biogas to PG&E's pipelines or use as a transportation fuel may be more efficient. • As of late 2022, EPA is finalizing a proposal for apportionment of renewable fuel credits (RINs) for food waste-based and sludge-based biogas. 	<ul style="list-style-type: none"> • The Advanced Clean Fleet rule is expected to be adopted in April 2023. BACWA is supporting CASA's enhanced advocacy to CARB to preserve existing pathways that allow biogas to be used for fueling vehicles. The outreach is required so that biogas produced at treatment plants continues to have a permissible and economical end use, and so utilities have reliable power for heavy-duty vehicles. CASA and BACWA members are also providing public comments at CARB's public workshops. • Look for ways to inform BAAQMD on opportunities and challenges for climate change mitigation by Bay Area POTWs, including education about anaerobic digesters and POTW operations. • Work with PG&E and BAAQMD to explore options for POTWs to inject biogas into PG&E pipelines. In February 2022, the CPUC approved a mandatory biomethane procurement program for CA's four large gas IOUs (including PG&E) under SB 1440. CASA has been discussing the barriers to pipeline injection with CPUC and CalOSHA staff. 	<p>Climate Change Scoping Plan, including 2022 Update: https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan</p> <p>CARB Low Carbon Fuel Standard: https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard</p> <p>CARB Advanced Clean Fleet Rule: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets</p> <p>SB 1383: https://www.calrecycle.ca.gov/organics/slcip</p> <p>BAAQMD Clean Air Plan: http://www.baaqmd.gov/plans-and-climate/air-quality-plans/current-plans</p> <p>BAAQMD Regulation 13 http://www.baaqmd.gov/rules-and-compliance/rules/regulation-13-climate-pollutants</p> <p>EPA Renewable Fuel Standards https://www.epa.gov/renewable-fuel-standard-program/proposed-renewable-fuel-standards-2023-2024-and-2025</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
CLIMATE CHANGE ADAPTATION			
<ul style="list-style-type: none"> Climate change and water resilience are a strategic priority of both the State Water Board and Regional Water Board. In April 2019, Governor Newsom signed Executive Order N-10-19 directing State Agencies to recommend a suite of priorities and actions to build a climate-resilient water system and ensure healthy waterways through the 21st century. Bay Area coordination occurs through Bay Adapt, the Bay Area Climate Adaptation Network (BayCAN), and other venues. BACWA has signed a letter of support for the Bay Adapt Joint Platform. In April 2022, the State released a Climate Adaptation Strategy, including an updated climate change assessment for the Bay Area region. The California Coastal Commission's November 2021 Sea Level Rise Planning Guidance recommends that agencies "understand and plan" for 2.7 feet of sea level rise by 2050. The Regional Water Board is modifying the Basin Plan to address climate change and wetland policy. The changes will occur through multiple Basin Plan amendments. 	<ul style="list-style-type: none"> Despite previous announcements, as of 2023 the State Water Board no longer has plans to conduct a survey of permitted facilities regarding climate change vulnerability assessments adaptation measures, and is looking to Regional Water Boards to be responsible for this effort. In 2023, the Bay Conservation and Development Commission (BCDC) plans to develop "Regional Shoreline Adaptation Guidance" and standards for the Bay Area. In 2022, the Regional Water Board adopted a Climate Change Basin Plan amendment addressing dredge and fill procedures near the region's shorelines, especially for climate adaptation projects. Separately from the Basin Plan amendment, the NPDES division has released information regarding NPDES permitting of nature-based solutions. Shallow groundwater response to Sea Level Rise is a concern in low-lying Bay Area communities. Information about current and future depth-to-groundwater maps is summarized in a January 2023 report now available from Pathways Climate Institute and SFEI. 	<ul style="list-style-type: none"> Follow up with members regarding sea level rise planning, as discussed at a member agency roundtable in August 2022. Prepare for engagement with the Regional Water Board and on expectations for sea level rise planning Work with members to identify a suitable way to track sea level rise adaptation plans, per the request of Regional Water Board staff. Engage with BCDC during the agency's development of Regional Shoreline Adaptation Plan guidance, which will likely impact most BACWA member agencies. BACWA is participating in an advisory group for the Regional Shoreline Adaptation Plan. Continue to work with Regional Water Board and other resource agencies to look for regulatory solutions to encourage wetlands projects for shoreline resiliency. 	<p>California Coastal Commission's <i>Critical Infrastructure at Risk</i> https://documents.coastal.ca.gov/assets/slr/SLR%20Guidance_Critical%20Infrastructure_12.6.2021.pdf</p> <p>OPC Sea Level Rise Action Plan – August 2022 https://www.opc.ca.gov/webmaster/media_library/2022/08/SLR-Action-Plan-2022-508.pdf</p> <p>Climate Change Basin Plan Amendment https://www.waterboards.ca.gov/sanfranciscobay/board_info/agendas/2022/July/7_ssr.pdf</p> <p>California Climate Adaptation Strategy https://climateresilience.ca.gov/</p> <p>Bay Adapt Joint Platform https://www.bayadapt.org/</p> <p>NPDES Permitting for Nature-Based Solutions https://bacwa.org/wp-content/uploads/2022/08/NPDES-Permitting-for-Nature-Based-Solutions-5.pdf</p> <p>2023 Report on Shallow Groundwater Response https://www.sfei.org/projects/shallow-groundwater-response-sea-level-rise</p>

Page 1

Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 24, 2023

ITEM NO. 8 FINANCIAL REPORTS FOR FISCAL YEAR ENDING JUNE 30, 2023

Action Requested

None at this time.

Summary

The following item is attached for the Board's information for Fiscal Year ending June 30, 2023:
NBWRA Trust Worksheet through April 14, 2023

The Consultant Cost Tracking spreadsheet has not been updated since the March 27, 2023 Board meeting

Recommendation

None at this time.

Attachment

NBWRA Trust Worksheet through April 14, 2023.

**North Bay Water Reuse Authority
Project Cost Summary
as of April 14, 2023**

TOTAL FY 22/23 PROJECT COSTS							
Phase 1							
Project	Consultant	Prior Year Balance Carryover	FY 22/23 Budget	Total	Total Expenses in FY 22/23	Remaining Funds	Percent Remaining
Prior Phase 1 Carryover		130,125.21	-	130,125.21	-	130,125.21	100.00%
TOTAL BUDGET		\$ 130,125.21	\$ -	\$ 130,125.21	\$ -	\$ 130,125.21	0.00%
Continued Recycled Water Support							
Project	Consultant	Prior Year Balance Carryover	FY 22/23 Budget	Total	Total Expenses in FY 22/23	Remaining Funds	Percent Remaining
Prior Phase 2 Carryover		74,148.34	-	74,148.34			
Program Development & Support	Brown & Caldwell	-	205,000.00	205,000.00	-	205,000.00	100.00%
SCWA Administration	SCWA	-	4,000.00	4,000.00	3,263.93	736.07	0.00%
TOTAL BUDGET		\$ 74,148.34	\$ 209,000.00	\$ 283,148.34	\$ 3,263.93	\$ 205,736.07	0.00%
Drought Contingency Plan							
Project	Consultant	Prior Year Balance Carryover	FY 22/23 Budget	Total	Total Expenses in FY 22/23	Remaining Funds	Percent Remaining
Program Development	Brown & Caldwell		52,000.00	52,000.00	-	52,000.00	100.00%
SCWA Administration	SCWA		4,000.00	4,000.00	3,263.92	736.08	18.40%
TOTAL BUDGET		\$ -	\$ 56,000.00	\$ 56,000.00	\$ 3,263.92	\$ 52,736.08	94.17%
Sea Level Rise Adaptation							
Project	Consultant	Prior Year Balance Carryover	FY 22/23 Budget	Total	Total Expenses in FY 22/23	Remaining Funds	Percent Remaining
Program Development	Brown & Caldwell	-	121,000.00	121,000.00	-	121,000.00	100.00%
SCWA Administration	SCWA	-	4,000.00	4,000.00	3,263.92	736.08	18.40%
TOTAL BUDGET		\$ -	\$ 125,000.00	\$ 125,000.00	\$ 3,263.92	\$ 121,736.08	97.39%
Joint Use							
Project	Consultant	Prior Year Balance Carryover	FY 22/23 Budget	Total	Total Expenses in FY 22/23	Remaining Funds	Percent Remaining
Program Management (two year agreement)	Weir Technical Services	1,682.45	40,000.00	41,682.45	2,720.00	38,962.45	93.47%
Additional Services - BC	Brown & Caldwell	39,700.00	-	39,700.00	14,850.38	24,849.62	62.59%
SCWA Administration	SCWA	(108.29)	65,500.00	65,391.71	36,464.34	28,927.37	44.24%
TOTAL BUDGET		\$ 41,274.16	\$ 105,500.00	\$ 146,774.16	\$ 54,034.72	\$ 92,739.44	63.19%
TOTALS		\$ 245,547.71	\$ 495,500.00	\$ 741,047.71	\$ 63,826.49	\$ 603,072.88	

North Bay Water Reuse Authority
July 1, 2022 to Date Transaction Summary
as of April 14, 2023
RECYCLED WATER SUPPORT

Item No. 8

Date	Description	Amount	LGVS	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon	Marin County
7/1/2022	Ending Balance Carry Over - Prior Phase 2 Carryover	74,148.34 b	647.63	6,681.97	7,412.60	5,641.25	8,292.77	-	-	25,863.00	8,684.70	10,924.42	-
8/3/2022	Salary/Assn Chgs Applied	(646.18) p a1	-	(77.06)	-	(69.99)	(88.56)	-	-	(210.63)	(89.96)	(109.98)	-
8/31/2022	Salary/Assn Chgs Applied	(314.53) p a1	-	(37.51)	-	(34.07)	(43.11)	-	-	(102.52)	(43.79)	(53.53)	-
9/16/2022	Salary/Assn Chgs Applied	(327.17) p a1	-	(39.02)	-	(35.44)	(44.84)	-	-	(106.64)	(45.55)	(55.68)	-
9/27/2022	County Counsel	(47.00) p a1	-	(5.60)	-	(5.09)	(6.45)	-	-	(15.32)	(6.54)	(8.00)	-
9/30/2022	Salary/Assn Chgs Applied	(324.31) p a1	-	(38.67)	-	(35.13)	(44.45)	-	-	(105.71)	(45.15)	(55.20)	-
10/17/2022	Salary/Assn Chgs Applied	(372.19) p a1	-	(44.38)	-	(40.31)	(51.01)	-	-	(121.32)	(51.82)	(63.35)	-
12/23/2022	Salary/Assn Chgs Applied	(97.53) p a1	-	(11.63)	-	(10.56)	(13.37)	-	-	(31.79)	(13.58)	(16.60)	-
1/5/2023	Salary/Assn Chgs Applied	(102.17) p a1	-	(12.18)	-	(11.07)	(14.01)	-	-	(33.30)	(14.22)	(17.39)	-
1/19/2023	Salary/Assn Chgs Applied	(58.88) p a1	-	(7.02)	-	(6.38)	(8.07)	-	-	(19.19)	(8.20)	(10.02)	-
2/16/2023	Salary/Assn Chgs Applied	(204.38) p a1	-	(24.37)	-	(22.14)	(28.01)	-	-	(66.62)	(28.45)	(34.79)	-
4/12/2023	Salary/Assn Chgs Applied	(514.17) p a1	-	(61.32)	-	(55.69)	(70.46)	-	-	(167.60)	(71.59)	(87.51)	-
4/12/2023	Salary/Assn Chgs Applied	(255.42) p a1	-	(30.46)	-	(27.67)	(35.00)	-	-	(83.26)	(35.56)	(43.47)	-
Current NBWRA Balance \$ 70,884.41			\$ 647.63	\$ 6,292.75	\$ 7,412.60	\$ 5,287.71	\$ 7,845.43	\$ -	\$ -	\$ 24,799.10	\$ 8,230.29	\$ 10,368.90	\$ -
PENDING													
	Napa SD Recycled Water Support Deposit FY22/23	24,923.00 d	24,923.00										
	SVCSD Recycled Water Support Deposit FY22/23	22,638.00 d	22,638.00										
	SCWA Recycled Water Support Deposit FY22/23	28,643.00 d	28,643.00										
	Petaluma Recycled Water Support Deposit FY22/23	68,126.00 d	68,126.00										
	MMWD Recycled Water Support Deposit FY22/23	29,098.00 d	29,098.00										
	American Canyon Recycled Water Support Deposit FY22/23	35,572.00 d	35,572.00										
Projected Balance \$ 279,884.41			\$ 647.63	\$ 31,215.75	\$ 7,412.60	\$ 27,925.71	\$ 36,488.43	\$ -	\$ -	\$ 92,925.10	\$ 37,328.29	\$ 45,940.90	\$ -

Current NBWRA Reconciliation			Current NBWRA Phase 1 Support Reconciliation by Entity										
Beginning Balance	74,148.34 b	647.63	6,681.97	7,412.60	5,641.25	8,292.77	-	-	25,863.00	8,684.70	10,924.42	-	
Deposits	- d	-	-	-	-	-	-	-	-	-	-	-	
Interest Earnings	- i	-	-	-	-	-	-	-	-	-	-	-	
Payments	(3,263.93) p	-	(389.22)	-	(353.54)	(447.34)	-	-	(1,063.90)	(454.41)	(555.52)	-	
Total:	70,884.41	647.63	6,292.75	7,412.60	5,287.71	7,845.43	-	-	24,799.10	8,230.29	10,368.90	-	

Current NBWRA Obligations						
Vendor	Encumbrances	Paid to date	Adjustments	Balance	Expires	% Spent
Program Development - (B&C: FY 22/23)	205,000.00 bc1	-	-	205,000.00	-	0.00%
SCWA Administration - FY22/23	4,000.00 a1	3,263.93	-	736.07	-	81.60%
Total	209,000.00	3,263.93	-	205,736.07		1.56%

North Bay Water Reuse Authority
July 1, 2022 to Date Transaction Summary
as of April 14, 2023
DROUGHT CONTINGENCY PLAN

Item No. 8

Date	Description	Amount			LGVSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon	Marin County					
8/3/2022	Salary/Assn Chgs Applied	(646.19)	p	a1	(107.70)	-	-	(107.70)	(107.69)	(107.70)	-	(107.70)	-	-	(107.70)					
8/31/2022	Salary/Assn Chgs Applied	(314.54)	p	a1	(52.42)	-	-	(52.42)	(52.44)	(52.42)	-	(52.42)	-	-	(52.42)					
9/16/2022	Salary/Assn Chgs Applied	(327.18)	p	a1	(54.53)	-	-	(54.53)	(54.53)	(54.53)	-	(54.53)	-	-	(54.53)					
9/27/2022	County Counsel	(47.00)	p	a1	(7.83)	-	-	(7.83)	(7.85)	(7.83)	-	(7.83)	-	-	(7.83)					
9/30/2022	Salary/Assn Chgs Applied	(324.30)	p	a1	(54.05)	-	-	(54.05)	(54.05)	(54.05)	-	(54.05)	-	-	(54.05)					
10/17/2022	Salary/Assn Chgs Applied	(372.18)	p	a1	(62.03)	-	-	(62.03)	(62.03)	(62.03)	-	(62.03)	-	-	(62.03)					
12/23/2022	Salary/Assn Chgs Applied	(97.53)	p	a1	(16.26)	-	-	(16.26)	(16.23)	(16.26)	-	(16.26)	-	-	(16.26)					
1/5/2023	Salary/Assn Chgs Applied	(102.16)	p	a1	(17.03)	-	-	(17.03)	(17.01)	(17.03)	-	(17.03)	-	-	(17.03)					
1/19/2023	Salary/Assn Chgs Applied	(58.88)	p	a1	(9.81)	-	-	(9.81)	(9.83)	(9.81)	-	(9.81)	-	-	(9.81)					
2/16/2023	Salary/Assn Chgs Applied	(204.37)	p	a1	(34.06)	-	-	(34.06)	(34.07)	(34.06)	-	(34.06)	-	-	(34.06)					
4/12/2023	Salary/Assn Chgs Applied	(514.16)	p	a1	(85.69)	-	-	(85.69)	(85.71)	(85.69)	-	(85.69)	-	-	(85.69)					
4/12/2023	Salary/Assn Chgs Applied	(255.43)	p	a1	(42.57)	-	-	(42.57)	(42.58)	(42.57)	-	(42.57)	-	-	(42.57)					
Current NBWRA Balance \$					(3,263.92)	\$	(543.98)	\$	-	\$	-	\$	(543.98)	\$	-	\$	-	\$	(543.98)	
PENDING																				
LGVSD Drought Contingency Plan Deposit FY22/23					9,333.00	d		9,333.00												
SVCSD Drought Contingency Plan Deposit FY22/23					9,333.00	d			9,333.00											
SCWA Drought Contingency Plan Deposit FY22/23					9,335.00	d				9,335.00										
NMWD Drought Contingency Plan Deposit FY22/23					9,333.00	d					9,333.00									
Petaluma Drought Contingency Plan Deposit FY22/23					9,333.00	d						9,333.00								
Marin County Drought Contingency Plan Deposit FY22/23					9,333.00	d												9,333.00		
Projected Balance \$					52,736.08	\$	8,789.02	\$	-	\$	-	\$	8,789.02	\$	-	\$	8,789.02	\$	8,789.02	
Current NBWRA Reconciliation								Current NBWRA Phase 1 Support Reconciliation by Entity												
Beginning Balance					-	b	-	-	-	-	-	-	-	-	-	-	-	-	-	
Deposits					-	d	-	-	-	-	-	-	-	-	-	-	-	-		
Interest Earnings					-		-	-	-	-	-	-	-	-	-	-	-	-		
Payments					(3,263.92)	p	(543.98)	-	-	(543.98)	(544.02)	(543.98)	-	(543.98)	-	-	-	(543.98)		
Total:					(3,263.92)		(543.98)	-	-	(543.98)	(544.02)	(543.98)	-	(543.98)	-	-	-	(543.98)		
Current NBWRA Obligations																				
Vendor		Encumbrances			Paid to date	Adjustments	Balance	Expires	% Spent											
Program Development - (B&C: FY 22/23)		52,000.00		bc1	-		52,000.00		0.00%											
SCWA Administration		4,000.00		a1	3,263.92		736.08		81.60%											
Total		56,000.00			3,263.92	-	52,736.08		5.83%											

North Bay Water Reuse Authority
July 1, 2022 to Date Transaction Summary
as of April 14, 2023
SEA LEVEL RISE

Item No. 8

Date	Description	Amount	LGVSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon	Marin County
8/3/2022	Salary/Assn Chgs Applied	(646.19) p a1	(161.55)	-	-	-	(161.54)	-	-	(161.55)	-	-	(161.55)
8/31/2022	Salary/Assn Chgs Applied	(314.54) p a1	(78.64)	-	-	-	(78.62)	-	-	(78.64)	-	-	(78.64)
9/16/2022	Salary/Assn Chgs Applied	(327.18) p a1	(81.80)	-	-	-	(81.78)	-	-	(81.80)	-	-	(81.80)
9/27/2022	County Counsel	(47.00) p a1	(11.75)	-	-	-	(11.75)	-	-	(11.75)	-	-	(11.75)
9/30/2022	Salary/Assn Chgs Applied	(324.30) p a1	(81.08)	-	-	-	(81.06)	-	-	(81.08)	-	-	(81.08)
10/17/2022	Salary/Assn Chgs Applied	(372.18) p a1	(93.05)	-	-	-	(93.03)	-	-	(93.05)	-	-	(93.05)
12/23/2022	Salary/Assn Chgs Applied	(97.53) p a1	(24.38)	-	-	-	(24.39)	-	-	(24.38)	-	-	(24.38)
1/5/2023	Salary/Assn Chgs Applied	(102.16) p a1	(25.54)	-	-	-	(25.54)	-	-	(25.54)	-	-	(25.54)
1/19/2023	Salary/Assn Chgs Applied	(58.88) p a1	(14.72)	-	-	-	(14.72)	-	-	(14.72)	-	-	(14.72)
2/16/2023	Salary/Assn Chgs Applied	(204.37) p a1	(51.09)	-	-	-	(51.10)	-	-	(51.09)	-	-	(51.09)
4/14/2023	Salary/Assn Chgs Applied	(514.16) p a1	(128.54)	-	-	-	(128.54)	-	-	(128.54)	-	-	(128.54)
4/14/2023	Salary/Assn Chgs Applied	(255.43) p a1	(63.86)	-	-	-	(63.85)	-	-	(63.86)	-	-	(63.86)
			-	-	-	-	-	-	-	-	-	-	-
Current NBWRA Balance \$ (3,263.92)			\$ (816.00)	\$ -	\$ -	\$ -	\$ (815.92)	\$ -	\$ -	\$ (816.00)	\$ -	\$ -	\$ (816.00)
PENDING													
	LGVSD Sea Level Rise Deposit FY22/23	31,250.00 d	31,250.00										
	SCWA Sea Level Rise Deposit FY22/23	31,250.00 d					31,250.00						
	Petaluma Sea Level Rise Deposit FY22/23	31,250.00 d								31,250.00			
	Marin County Sea Level Rise Deposit FY22/23	31,250.00 d											31,250.00
Projected Balance \$ 121,736.08			\$ 30,434.00	\$ -	\$ -	\$ -	\$ 30,434.08	\$ -	\$ -	\$ 30,434.00	\$ -	\$ -	\$ 30,434.00
			25.00%	0.00%	0.00%	0.00%	25.00%	0.00%	0.00%	25.00%	0.00%	0.00%	25.00%

Current NBWRA Reconciliation			Current NBWRA Phase 1 Support Reconciliation by Entity										
Beginning Balance	-	b	-	-	-	-	-	-	-	-	-	-	-
Deposits	-	d	-	-	-	-	-	-	-	-	-	-	-
Interest Earnings	-	i	-	-	-	-	-	-	-	-	-	-	-
Payments	(3,263.92)	p	(816.00)	-	-	-	(815.92)	-	-	(816.00)	-	-	(816.00)
Total:	(3,263.92)		(816.00)	-	-	-	(815.92)	-	-	(816.00)	-	-	(816.00)

Current NBWRA Obligations						
Vendor	Encumbrances	Paid to date	Adjustments	Balance	Expires	% Spent
Program Development - (B&C: FY 22/23)	121,000.00	bc3	-	121,000.00		0.00%
SCWA Administration	4,000.00	a1	3,263.92	736.08		81.60%
	-					
Total	125,000.00		3,263.92	-	121,736.08	2.61%

Carryover from Last FY

North Bay Water Reuse Authority
July 1, 2022 to Date Transaction Summary
as of April 14, 2023
JOINT USE

Item No. 8

Date	Description	Amount		Las Gallinas	Napa SD	Novato	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon	Marin County												
7/1/2022	Beginning Balance	28,936.06	b	4,202.83	7,446.33	7,460.53	7,446.33	7,446.80	7,452.83	(2,539.47)	3,736.46	(11,854.44)	(1,854.44)	(7.70)												
7/27/2022	Salary/Assn Chgs Applied	(173.71)	p a9	(12.35)	(22.78)	-	(22.78)	(22.76)	(12.35)	-	(22.78)	(22.78)	(22.78)	(12.35)												
7/27/2022	Salary/Assn Chgs Applied	(345.92)	p a9	(24.59)	(45.36)	-	(45.36)	(45.35)	(24.59)	-	(45.36)	(45.36)	(45.36)	(24.59)												
8/3/2022	Salary/Assn Chgs Applied	(1,227.85)	p a9	(87.29)	(161.00)	-	(161.00)	(160.98)	(87.29)	-	(161.00)	(161.00)	(161.00)	(87.29)												
8/18/2022	Salary/Assn Chgs Applied	(6,081.87)	p a9	(432.36)	(797.46)	-	(797.46)	(797.49)	(432.36)	-	(797.46)	(797.46)	(797.46)	(432.36)												
8/22/2022	Weir Technical Services SCWA_7-22	(1,040.00)	p w5	(104.00)	(104.00)	(104.00)	(104.00)	(104.00)	(104.00)	-	(104.00)	(104.00)	(104.00)	(104.00)												
8/31/2022	Salary/Assn Chgs Applied	(2,726.18)	p a9	(193.80)	(357.46)	-	(357.46)	(357.48)	(193.80)	-	(357.46)	(357.46)	(357.46)	(193.80)												
9/16/2023	Salary/Assn Chgs Applied	(1,834.98)	p a9	(130.45)	(240.61)	-	(240.61)	(240.58)	(130.45)	-	(240.61)	(240.61)	(240.61)	(130.45)												
9/26/2022	Las Gallinas Deposit - Prior Year Payment	3,250.00	d	3,250.00	-	-	-	-	-	-	-	-	-	-												
9/26/2022	Napa County Deposit - Prior Year Payment	10,000.00	d	-	-	-	-	-	-	10,000.00	-	-	-	-												
9/26/2022	Marin Muni Water District - Prior Year Payment	10,000.00	d	-	-	-	-	-	-	-	-	10,000.00	-	-												
9/30/2022	Salary/Assn Chgs Applied	(7,536.21)	p a9	(535.75)	(988.16)	-	(988.16)	(988.16)	(535.75)	-	(988.16)	(988.16)	(988.16)	(535.75)												
10/14/2022	Weir Technical Services SCWA_8-22	(642.45)	p w5	(64.25)	(64.25)	(64.25)	(64.25)	(64.20)	(64.25)	-	(64.25)	(64.25)	(64.25)	(64.25)												
10/14/2022	Weir Technical Services SCWA_8-22	(1,037.55)	p w6	(73.76)	(136.05)	-	(136.05)	(136.02)	(73.76)	-	(136.05)	(136.05)	(136.05)	(73.76)												
10/17/2022	Salary/Assn Chgs Applied	(3,548.33)	p a9	(252.25)	(465.26)	-	(465.26)	(465.28)	(252.25)	-	(465.26)	(465.26)	(465.26)	(252.25)												
10/26/2022	Salary/Assn Chgs Applied	(568.97)	p a9	(40.45)	(74.60)	-	(74.60)	(74.62)	(40.45)	-	(74.60)	(74.60)	(74.60)	(40.45)												
11/10/2022	Salary/Assn Chgs Applied	(94.87)	p a9	(6.74)	(12.44)	-	(12.44)	(12.45)	(6.74)	-	(12.44)	(12.44)	(12.44)	(6.74)												
11/23/2022	Salary/Assn Chgs Applied	(3,440.01)	p a9	(244.55)	(451.06)	-	(451.06)	(451.06)	(244.55)	-	(451.06)	(451.06)	(451.06)	(244.55)												
11/28/2022	County Counsel	(423.00)	p a9	(30.07)	(55.46)	-	(55.46)	(55.49)	(30.07)	-	(55.46)	(55.46)	(55.46)	(30.07)												
12/8/2022	Salary/Assn Chgs Applied	(1,162.73)	p a9	(82.66)	(152.46)	-	(152.46)	(152.45)	(82.66)	-	(152.46)	(152.46)	(152.46)	(82.66)												
12/23/2022	Salary/Assn Chgs Applied	(1,061.03)	p a9	(75.43)	(139.12)	-	(139.12)	(139.14)	(75.43)	-	(139.12)	(139.12)	(139.12)	(75.43)												
1/5/2023	Salary/Assn Chgs Applied	(161.09)	p a9	(11.45)	(21.12)	-	(21.12)	(21.14)	(11.45)	-	(21.12)	(21.12)	(21.12)	(11.45)												
1/9/2023	Brown & Caldwell -11466766	(9,057.63)	p bc2	(905.76)	(905.76)	(905.76)	(905.76)	(905.79)	(905.76)	-	(905.76)	(905.76)	(905.76)	(905.76)												
1/19/2023	Salary/Assn Chgs Applied	(80.57)	p a9	(5.73)	(10.56)	-	(10.56)	(10.58)	(5.73)	-	(10.56)	(10.56)	(10.56)	(5.73)												
2/2/2023	Salary/Assn Chgs Applied	(1,605.16)	p a9	(114.11)	(210.47)	-	(210.47)	(210.48)	(114.11)	-	(210.47)	(210.47)	(210.47)	(114.11)												
2/16/2023	Salary/Assn Chgs Applied	(474.17)	p a9	(33.71)	(62.17)	-	(62.17)	(62.19)	(33.71)	-	(62.17)	(62.17)	(62.17)	(33.71)												
4/4/2023	Brown & Caldwell -11470428	(3,080.00)	p bc2	(308.00)	(308.00)	(308.00)	(308.00)	(308.00)	(308.00)	-	(308.00)	(308.00)	(308.00)	(308.00)												
4/4/2023	Brown & Caldwell -11473675	(2,712.75)	p bc2	(271.28)	(271.28)	(271.28)	(271.28)	(271.23)	(271.28)	-	(271.28)	(271.28)	(271.28)	(271.28)												
4/12/2023	Salary/Assn Chgs Applied	(1,663.00)	p a9	(118.22)	(218.06)	-	(218.06)	(218.04)	(118.22)	-	(218.06)	(218.06)	(218.06)	(118.22)												
4/12/2023	Salary/Assn Chgs Applied	(2,254.69)	p a9	(160.29)	(295.64)	-	(295.64)	(295.62)	(160.29)	-	(295.64)	(295.64)	(295.64)	(160.29)												
Current NBWRA Balance \$				(1,848.66)	\$	3,133.53	\$	875.74	\$	5,807.24	\$	875.74	\$	876.22	\$	3,133.53	\$	7,460.53	\$	(2,834.13)	\$	(8,425.03)	\$	(8,425.03)	\$	(4,327.00)
PENDING																										
LGVSD Drought Contingency Plan Deposit FY22/23				7,500.00	d	7,500.00																				
Napa SD Drought Contingency Plan Deposit FY22/23				13,833.00	d		13,833.00																			
SVCSD Drought Contingency Plan Deposit FY22/23				13,833.00	d			13,833.00																		
SCWA Drought Contingency Plan Deposit FY22/23				13,835.00	d			13,835.00																		
NMWD Drought Contingency Plan Deposit FY22/23				7,500.00	d				7,500.00																	
Petaluma Drought Contingency Plan Deposit FY22/23				13,833.00	d					13,833.00																
MMWD Drought Contingency Plan Deposit FY22/23				13,833.00	d						13,833.00															
American Canyon Drought Contingency Plan Deposit FY22/23				13,833.00	d							13,833.00														
Marin County Drought Contingency Plan Deposit FY22/23				7,500.00	d																				7,500.00	
Projected Balance \$				103,651.34	\$	10,633.53	\$	14,708.74	\$	5,807.24	\$	14,708.74	\$	14,711.22	\$	10,633.53	\$	7,460.53	\$	10,998.87	\$	5,407.97	\$	5,407.97	\$	3,173.00
Current NBWRA Reconciliation						Current NBWRA Joint Use Reconciliation by Entity																				
Beginning Balance				28,936.06	b	4,202.83	7,446.33	7,460.53	7,446.33	7,446.80	7,452.83	(2,539.47)	3,736.46	(11,854.44)	(1,854.44)	(7.70)										
Deposits				23,250.00	d	3,250.00	-	-	-	-	-	10,000.00	-	10,000.00	-	-										
Interest Earnings				-	i	-	-	-	-	-	-	-	-	-	-	-										
Payments				(54,034.72)	p	(4,319.30)	(6,570.59)	(1,653.29)	(6,570.59)	(6,570.58)	(4,319.30)	-	(6,570.59)	(6,570.59)	(6,570.59)	(4,319.30)										
Total:				(1,848.66)		3,133.53	875.74	5,807.24	875.74	876.22	3,133.53	7,460.53	(2,834.13)	(8,425.03)	(8,425.03)	(4,327.00)										
Current NBWRA Obligations																										
Vendor				Encumbrances		Paid to date	Adjustments	Balance	Expires	% Spent																
Program Mangement - (Weir : FY 21/22)				1,682.45	w5	1,682.45	-	-	-	100.00%																
Program Mangement - (Weir : FY 22/23)				40,000.00	w6	1,037.55	38,962.45	-	-	2.59%																
SCWA Administration - (SCWA : FY 22/23)				65,391.71	a9	36,464.34	28,927.37	-	-	55.76%																
Additional Services - (Brown & Caldwell: FY 21/22)				39,700.00	bc2	14,850.38	24,849.62	-	-	37.41%																
Total				146,774.16		54,034.72	-	92,739.44		36.81%																

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0%

**Interest
North Bay Water Reuse Authority
as of April 14, 2023**

FY2013/2014

Period	Date Posted	Amount
Total		\$ 4,406.53

FY2014/2015

Period	Date Posted	Amount
Total		\$ 8,218.73

FY2015/2016

Period	Date Posted	Amount
Total		\$ 11,919.53

FY2016/2017

Period	Date Posted	Amount
Total		\$ 20,538.74

FY2017/2018

Period	Date Posted	Amount
Total		\$ 26,353.96

FY2018/2019

Period	Date Posted	Amount
Total		\$ 26,902.58

FY2019/2020

Period	Date Posted	Amount
Total		\$ 22,388.61

FY2020/2021

Period	Date Posted	Amount
Total		\$ 8,430.06

FY2021/2022

Period	Date Posted	Amount
Total		\$ 5,598.40

FY2022/2023

Period	Date Posted	Amount
1st Quarter	10/12/2022	\$ 2,153.11
2nd Quarter	1/11/2023	\$ 3,151.31
3rd Quarter	4/13/2023	\$ 3,992.12
4th Quarter		
Total		\$ 9,296.54

Balance

	Amount
	\$ 144,053.68
Transfer to JU	\$ (60,000.00)
Transfer to JU FY21/22	\$ (10,000.00)
Transfer to JU FY21/22	\$ (35,000.00)
Transfer to JU FY21/22	\$ (14,200.00)
Total	\$ 24,853.68

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**ITEM NO. 9 STATUS OF PHASE 1 RECONCILIATION AND CLOSEOUT
ACTIVITIES**

Action Requested

None at this time

Summary

In February 2023, Sonoma Water was notified by USBR that our Phase 1 project was officially closed. Sonoma Water is working on final Phase 1 administrative reconciliation and will provide a final accounting of costs by the end of this fiscal year.

Additional updates will be provided at the Board meeting.

Recommendation

None at this time.

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**ITEM NO. 10 STATUS OF PHASE 2 AND FINANCIAL CAPABILITY ANALYSIS
REPORT UPDATE**

Action Requested

None at this time.

Summary

Rene Guillen, Brown & Caldwell, will provide an update on the status of Phase 2 and its associated projects.

Financial Capability Analysis Report (FCR) Update

For the FCR, Kennedy Jenks (KJ) will likely be sending out a request for information (RFI) the week of April 17, 2023. KJ staff will be available at the Board meeting to respond to any questions from the Board. Once the agencies have responded to the RFI, KJ will prepare a draft report for review by the TAC. A final FCR report will be presented to the Board at a later date.

Recommendation

None at this time. This is an information item only.

Attachment

None

ITEM NO. 11 STATUS REPORTS ON RESILIENCE ARENA PROJECTS: RECYCLED WATER, DROUGHT CONTINGENCY PLANNING, AND SEA LEVEL RISE ADAPTATION VISION

Action Requested

None at this time.

Summary

Now that the FY2022/23 Budget and Scopes of Work have been approved and the Brown & Caldwell agreement is nearing completion, this item will become a regular report to the TAC and Board. Each Resilience Arena will be reported on separately

Recycled Water

Goal: Continue to support the implementation of the Phase 2 Program.

Background:

- In the first application for grant funding NBWRA was not selected. Reclamation staff indicated that NBWRA had scored well and would likely be selected.
- Reclamation had scored NBWRA high using the official published criteria for the program.
- The Administration at that time, via the Office of Management and Budget, selected other agencies to receive the funding.
- Therefore, the consultant team recommended not applying for grant funding until the scoring criteria issue was resolved.
- Last year Reclamation staff encouraged NBWRA to resubmit and NBWRA was selected. That is why the environmental document and FCR analysis are being updated.
- Moving forward: Infrastructure funding under the recent Build Back Better Act has funding available for recycled water and other public works projects.

Scope: Brown & Caldwell's current scope has allocated funds to facilitate the completion of the NEPA process, update the Financial Capability Analysis report, and support the development of one Title XVI grant application.

Next Steps/Recommendation: It is recommended that the NBWRA agencies ramp up their request for grant funding at the next opportunity. It would be best to be proactive at this time as it is not known what may happen based on the 2024 election.

Drought Contingency Planning

Goal: Work with the participating agencies to help develop a Sonoma/Marin based drought contingency plan similar to the one developed in the Napa Valley.

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Background:

- Several agencies expressed interest in developing a DCP to facilitate a regional based drought response and afford the opportunity to apply for Reclamation funding under the Drought Resilience Program.
- Sonoma Water and several of the participating agencies have been working on a Regional Water Supply Resiliency Study for several years that covers many of the elements that would be included in a DCP.
- Rather than developing a new document, it was agreed that it would be best to review the existing Regional Water Supply Resiliency Study and identify needed revisions or enhancements to align with Reclamation's DCP criteria.
-

Scope: Consultant team will work collaboratively with the participating agencies to review Sonoma Water's Regional Water Supply Resiliency Study to determine how it compares to the criteria of a DCP and to identify actions to be taken to meet the DCP criteria.

Next Steps/Recommendation: Consultant team will coordinate with the participating agencies on next steps once new contract is in place.

Sea Level Rise Adaptation Vision

Goal: Work with the participating agencies to establish a collective vision for sea level rise adaptation.

Background:

-

Scope: As part of this effort, the consultant team will work with the participating agencies to help develop an adaptation vision, review and integrate work completed to date, and provide a road map for adaptation.

Next Steps/Recommendation: Consultant team will coordinate with the participating agencies on next steps once new contract is in place.

Recommendation

Please refer to the Next Steps/Recommendation for each of the Resilience Arenas discussed above.

Attachment

None

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ITEM NO. 12 ITEMS FOR THE NEXT AGENDA

Action Requested

None at this time.

Summary

Items for the next Agenda include regular reports, Report and Recommendations from the TAC, Phase 1 Status Report and Closeout, Phase 2 Status Report, Resilience Arena Progress Reports and possibly recommendation on a proposed budget for FY2023/24. The next meeting is scheduled for June 26, 2023.

Recommendation

None at this time.