

Regular Meeting of the Board of Directors
Thursday November 17, 2022
4:00 – 6:00 pm

The meeting will be held remotely via Zoom at: <https://us02web.zoom.us/j/89675733636>

If you are using a computer or other device to join the meeting, you may click [here](#). A computer video camera is not required to participate. If you do not have access to a computer or internet during this meeting, or if your computer does not have audio, you can call in by phone: (669) 900-6833 and enter the meeting ID: 896 7573 3636 when prompted.

1. Call to Order

2. Declaration of Emergency Continuing Teleconferencing (subject to AB 361)

A statewide emergency for COVID-19 was declared on March 4, 2020 by Governor Newsom. The state of emergency must be ended by the governor or by concurrent resolution in the state legislature at “the earliest possible date that conditions warrant” pursuant to Government Code section 8629, however no such action has been taken and the state of emergency continues to remain in place as of today. In addition, state officials continue to impose and recommend measures to promote social distancing. As a result, the continuation of teleconferencing pursuant to Government Code section 54953(e)(3) is warranted.

3. Approval of Agenda

4. Introduction of Guests and Staff

5. Public Comment- The Board will hear comments on items that are not on the agenda. The Board cannot act on an item unless it is an emergency as defined under Government Code §54954.2.

6. Consent Agenda

The Board of Directors approves:

- 6.1.** [August 18, 2022 Draft Regular Meeting Minutes](#)
- 6.2.** [September 15, 2022 Draft Regular Meeting Minutes](#)
- 6.3.** [October 20, 2022 Draft Regular Minutes](#)

The Board of Directors receives into record:

- 6.4.** [United States Department of Agriculture’s California Conservation Planning Partnership Fact Sheet to Support the MOA & Technical Assistance Effort](#)

7. Regular Agenda

- 7.1.** Results of monitoring populations of steelhead trout and Coho salmon in Pescadero watershed presented by Sean Cochran, California Department of Fish and Wildlife District Fisheries Biologist.
- 7.2.** [Report on RCD contributions to Multi-Jurisdictional Local Hazard Mitigation Plan presented by Sara Polgar, RCD Conservation Program Specialist.](#)
- 7.3.** [Board will consider contracting with Express Plumbing, Inc. for Construction of the Loma Mar Pipeline Replacement and Water Plant Upgrade Project.](#)
- 7.4.** [Board will consider contracting with Stillwater Sciences for Pescadero Estuary Restoration Project: Designs for the North March and North Pond Complex.](#)
- 7.5.** [Board will consider approval of Fiscal Year 2022 Draft First Quarter Financials](#)
- 7.6.** NRCS (Natural Resources Conservation Service) report
- 7.7.** Executive Director’s report
- 7.8.** Directors’ Connection

8. Adjourn Meeting

The next Regular Meeting of the Board of Directors will be December 15, 2022.

Public records that relate to any item on the open session agenda for a regular board meeting are available for public inspection. Those records that are distributed less than 72 hours prior to the meeting are available for public inspection at the same time as they are distributed to all members, or a majority of the members of the Board.

**Minutes of the Regular Meeting of the Board of Directors
November 17, 2022
via Zoom teleconference**

Directors: Adrienne Etherton (chairing the meeting), Barbara Kossy, Steve Stielstra, Michelle Weil, Rudy Espinoza-Murray

Associate Directors: John Keener, John Wade

RCD staff: Kellyx Nelson, Lau Hodges, Amy Kaeser, Timothy Federal, David Cowman, Adria Arko

Guests: Sean Cochran (CDFW), Joel Casagrande (NMFS), Elizabeth Floyd (student intern), Ron Sturgeon

1. Call to Order

Etherton called the meeting to order at 4:01 p.m.

2. Declaration of Emergency Continuing Teleconferencing (subject to AB 361)

Etherton noted the meeting would be held over Zoom.

3. Approval of Agenda

- Stielstra noted a typo on item 7.5: Fiscal Year 2022 Draft First Quarter Financials should be Fiscal Year 2022~~3~~ Draft First Quarter Financials
- Nelson requested Item 5 (Public Comment) come before Item 4 (Introductions of Guests and Staff)
- **ACTION:** Kossy moved to approve the agenda as amended, Stielstra seconded. Motion passed unanimously.

5. Public Comment

- Floyd read the speech she'd entered to California Association of RCDs' (CARCD) State Speak-off Competition. Many present expressed their appreciation and that they were impressed and wished her luck at the competition. (12/2/2022 Update: Floyd came in 2nd place!)

4. Introductions of Guests and Staff

All in attendance introduced themselves.

6. Consent Agenda

- **ACTION:** Weil moved to approve the consent agenda, Espinoza-Murray seconded. Motion passed unanimously.

7. Regular Agenda

- **Results of monitoring populations of steelhead trout and Coho salmon in Pescadero watershed presented by Sean Cochran, California Department of Fish and Wildlife District Fisheries Biologist. (Presentation below)**
 - Discussion included the RCD's commitment to helping endangered fish; appreciation for Cochran's presentation, the RCD's partnership with CDFW, and Cochran's leadership in the monitoring efforts; how much staff enjoy assisting with

the monitoring efforts; the fact that pools created with large woody debris from RCD restoration projects reliably were found to have coho in them; impacts on fish from electroshocking; and how to distinguish steelhead and coho redds (nests for their eggs).

- There was discussion about the target number of these fish for the watershed; Cochran explained success would not be measured by numbers but by having three years/three classes of fish return.
- There was discussion about how the RCD could continue to support recovery efforts; Cochran stated that access facilitated by the RCD has been a big help and that Little Butano Creek and Pescadero Creek both need lots of large wood.
- Nelson explained the three big takeaways; 1) there are fish there thanks to the efforts of the RCD and many partners; 2) The fact that fish were found by large woody debris made it clear that the large woody debris projects are working; and 3) Through the Integrated Watershed Restoration Program the RCD can work with partners to determine how to best help these species.

7.2 Report on RCD contributions to Multi-Jurisdictional Local Hazard Mitigation Plan presented by Sara Polgar, RCD Conservation Program Specialist.

- Nelson explained that Polgar was out sick and the previous year she had presented the RCD Board about participating in the Local Hazard Mitigation Plan something that came out of the CZU Fire. After the fire the RCD was not eligible for Federal Emergency Management Agency (FEMA) money, to help landowners, because it does not own land or have jurisdiction.
- Espinoza-Murray asked if there was a way to take this to the incoming county Supervisors; Nelson confirmed this would go before them.
- Nelson concluded with a BIG shout out to Polgar for her work, without which the RCD would likely not be on the radar for our ability to do local hazard mitigation.

7.3 Board will consider contracting with Express Plumbing, Inc. for Construction of the Loma Mar Pipeline Replacement and Water Plant Upgrade Project.

- Espinoza-Murray asked if there had been any significant difference between them and the other firms that bid; Nelson explained the bid had been distributed to 22 firms, 10 firms attended the site tour, 3 bids were complete and 2 were under budget.
- **ACTION:** Espinoza-Murray moved to enter into contract with Express Plumbing, Inc., Stielstra seconded. Motion passed unanimously.

7.4 Board will consider contracting with Stillwater Sciences for Pescadero Estuary Restoration Project Design for the North Marsh and North Pond Complex.

- Nelson explained this would focus on the north pond complex; this is about advancing designs for restoration; the request for proposals (RFP) was sent to 3 firms and Stillwater Sciences was the only firm to submit a proposal.
- Weil observed that the RFP was not on the website, as indicated in the board memo.
- **ACTION:** Stielstra moved to enter into contract with Stillwater Sciences, Espinoza-Murray seconded. Motion passed unanimously.

7.5 Board will consider approval of Fiscal Year 2023 (FY23) Draft First Quarter Financials.

- Stielstra noted the RCD was where it should be for the first quarter; its cash position is good. Nelson pointed out the revenue and expenses are about equal and there was \$4M in Accounts Receivable compared to \$1.6M in Accounts Payable. She further noted the RCD has not touched the Operating Reserve.
- Etherton asked if the State's new prompt payment act had helped the RCD receive funds more quickly; Nelson explained that it was to start in January, but there is already among some funders to honoring it.
- Weil asked if the RCD budgeted on a quarterly basis; Nelson explained it was a zero-based budget created annually.
- **ACTION:** Weil moved to approve the FY23 Draft First Quarter Financials, Espinoza-Murray seconded. Motion passed unanimously.

7.6 NRCS (Natural Resources Conservation Service) report

Howard was out sick; no report given.

7.7 Executive Director's report

- Lots of money coming down from the State
- Two positions open and a new Project Manager had been hired for the Forest Health in Fire Resilience Team to start in December.
- Adria Arko will be changing to a new role at the RCD as Director of Advancement. Her new position will start in the new year and will be funded out of general funds.
- An 18-month engagement position will be starting in the new year.
- Directors interested in participating in California Association of RCDs (CARCD) at the local level to ping her.
- December 17 the RCD is hosting a tour of the Quarry Park projects.
- Santa Cruz RCD did a day long board tour of their projects; Nelson hoped to figure out how the RCD Board could do something like that. Stielstra and Wade volunteered to help plan it.
- Nelson noted she would be out the week of Thanksgiving and at the annual CARCD conference the week after.
- Coastal Commission Meeting 11/18/2022 about the RCD's Butano State Park Forest Health Project under the Public Works Plan. Staff and partners met with the local chapter of Sierra Club and answered lots of their questions.
- December is #scoopthepoop month!
- Newsletter going out soon; then the annual appeal afterwards
- Nelson requested to correct herself from the previous meeting: Weil had asked Nelson if contractors can be selected once a request for qualifications was approved by the board, Nelson had said yes. Nelson wanted to clarify that the board would not be asked to approve contract selections under the approved list.
- Supervisor Don Horsley, who had been a champion of the RCD was in his final weeks in the office; she looked forward to engaging with the incoming supervisor.
- Kossy complimented Nelsons' forward-thinking approach to growing the RCD staff.
- Etherton asked if grant writing consultant would be helpful to grow the RCD's unrestricted funding. Nelson explained Arko's new position would be more strategy

based. The RCD has contracted out for grant writing, but the technical nature of the work can make it challenging.

7.8 Directors' connections

- Kossy provided the prompt: what is a valuable perspective/lived experience you bring to the RCD. Kossy, Etherton, Weil, Wade and Stielstra shared their personal experiences.
- Etherton volunteered to provide the prompt for the December meeting.

8. Adjourn Meeting

Etherton adjourned the meeting at 6:10p.m.

E. Floyd CARCD Speak-off DARFT

Climate Change. For many of us, hearing those two words evokes a series of heavy emotions: hopelessness, despair, anxiety. We might feel helpless, unconfident that there is a way we can make a difference for a problem already so ubiquitous. Or we might feel exhausted, after having led the fight to initiate solutions for so long. However, the resource conservation districts across our state of California approach this issue with enduring optimism and persistence because they know that when communities are brought together, they have the power to tackle climate change. This confidence in the power of community is what defines California's RCDs.

In California, climate change is exacerbating drought. Currently, 88.1% of all land in our state is categorized to be facing "severe drought". And drought affects everything from soil health to wildlife migration, health of wetlands, and frequency of wildfires. But at the same time, something else, something hopeful, relates all of California's regions. From the meadows to the mountains and to the deserts of our state, each region has an RCD with the resources, expertise, and resolution to help communities fight drought.

I was able to learn about the complex effects of drought by from a presentation by my region's RCD. Droughts affect wildlife. Droughts affect agriculture. Droughts affect water quality. And perhaps most importantly, while drought does affect everyone, it affects certain populations more. For example, farms dedicated to providing free food for food insecure populations are having to grow less, thereby impacting those who depend on these services.

RCD's have diverse tools to support California in surviving the droughts. My region's RCD addresses the intricate issues of drought with correspondingly intricate solutions. The presentation I watched is an example of community education to help people understand the causes and effects of drought. Education extends to outreach for initiating infrastructure like irrigation management information systems, larger scale water storage mechanisms, and water recycling tools. In fact, all of these services are tailored towards each of the groups it works with through case by case water management plans and research studies.

In Northern California, Marin County's RCD helps farmers adapt with funding to adopt programs such as water purchase and hauling. Inland Empire's RCD, located in southern California, also has a presentation online that aims to teach individuals about actions they can take themselves.

Moving forward, I urge that RCD's focus more on reaching out to and engaging the people, particularly the youth, that live in their districts. People need to know about the work that RCD's are doing; in order to be aware of their impact as well as participate in solutions.

I first learned what an RCD was last spring when a member of my region's RCD came to speak during a meeting at my state senator's youth climate action bootcamp. I never knew about RCD's and I was amazed by their commitment to the environment and the communities of people they work with. I couldn't help but wonder, "How is it possible that these rcd's are doing all these things and so few people know about it?" I followed up and offered to help make my RCD's impact more visible. Since last summer, I have been interning for my RCD and some projects I have worked on include making social media posts about wildlife and ecosystems as well as producing an environmental career video series for high schoolers. For this project, I have been interviewing RCD employees of diverse backgrounds about their careers and what drives their commitment to the environment.

It is so important that each and every one of us learns about and tackles the issue of drought. RCD's throughout California can utilize their skills and assets to empower communities to overcome this issue together. And through the contributions that I can make for RCD's, I hope to spread the word and get more youth involved.

2021-22 Coho Salmon Monitoring Updates for the Pescadero Creek Watershed



Sean Cochran
CDFW District Fisheries Biologist



Topics

1. CDFW Winter 2021-22 Spawner Surveys
2. Summer 2022 Snorkel Surveys
3. Fall 2022 Electrofishing and PIT tagging Effort



CDFW Winter 2021-22 Spawner Surveys

- Generalized Random Tessalation Sampling (GRTS), 8 reaches selected for surveying
- Reaches sampled repetitively on a two-week basis from December through April
- Count all spawning locations (redds), and identify species responsible (Coho Salmon or steelhead trout)



Snapshot of 2021-22 Spawner Survey Results

- Season Totals:
 - 37 Coho Salmon redds
 - 114 steelhead trout redds
 - 17 redds assigned as unknown salmonid



Summer 2022 Snorkel Survey Efforts

- Snorkel survey targeted at assessing if Coho Salmon spawning was successful in producing juvenile offspring
- Pescadero Creek sites surveyed included **Memorial County Park, Pescadero Creek County Park & Portola Redwoods State Park**
- Butano Creek sites surveyed included **Girl Scout Camp** and **below Cloverdale Road Bridge**
- **Surveyed Little Butano Creek**



Snapshot of Summer Snorkel Survey Results

Site	Stream	Pools Snorkeled	Number Coho Salmon
Girl Scout Camp	Butano	12	13
Cloverdale	Butano	4	11
Cloverdale	Little Butano	7	23
Memorial Co Park	Pescadero	8	63
Pesc Creek Co Park	Pescadero	5	7
Portola State Park	Pescadero	6	0



Fall 2022 Electrofishing & PIT Tagging Effort

- Sites sampled: **Girl Scout Camp; Cloverdale; Memorial County Park**
- Sampling uses an electrofishing backpack to stun and collect juvenile fish





Fall 2022
Electrofishing & PIT
Tagging Effort

- Objective was to tag as many juvenile Coho Salmon and steelhead trout (>65mm FL) as we could with a Passive Integrated Transponder (PIT) tag

Snapshot of Electrofishing Survey Results

Stream	# Coho	# Steelhead
Butano Creek	69	368
Little Butano Creek	50	31
Pescadero Creek	4	75

- PIT tagged 111 Coho Salmon and 342 steelhead trout
- Caught 165 steelhead and 2 Coho Salmon in footprint of the Cloverdale Bridge Restoration Project
- Comparatively less successful in fish capture in Pescadero Creek due to stream size



What Next?



Take Aways

- Appears that juvenile Coho Salmon are broadly distributed in Butano & Pescadero Creeks this year
- In both systems suitable habitat for these fish still exists
- Cooler summer water temperatures may be attribute that attracted juvenile Coho Salmon into short stretch of accessible habitat in Little Butano Creek.
- Reestablishing Coho Salmon will take a persistent continued effort to improve habitat and supplement the population through hatchery plants



Questions



SAN MATEO
RESOURCE
CONSERVATION
DISTRICT



NOAA
FISHERIES

Action ID	Action	Action mitigates hazards for new and/or existing assets	Specific hazards the action will mitigate	Objectives Met	Lead Agency	Support Agency	Estimated Cost	Sources of Funding	Timeline	# of Objectives Met
SRC-1	Integrate risk assessment and hazard mitigation strategies from this plan into resource management, conservation and carbon farm plans developed by the District.	Existing & New	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Dam Failure	1,3,5,9,14	San Mateo Resource Conservation District	USDA-NRCS, Landowners, County, NGOs	Medium	General Fund, Federal Grants (FEMA BRIC/HMGP)	Ongoing	5
SRC-2	Advance data collection (field and remote sensing) for mapping products that would inform hazard mitigation planning, This includes but is not limited to: LiDAR and imagery flights; field-based ground-truthing of remote sensing data; GIS layer development for ladder fuels, vegetation type, road networks, etc.	Existing & New	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather	1,5,7,14	San Mateo Resource Conservation District	Santa Cruz Mountain Stewardship Network, County (Parks), Research science institutes, Other RCDs, NGOs	High	Santa Cruz Mountain Stewardship Network members, Federal Grant (FEMA BRIC/HMGP)	Short-term	4
SRC-3	Advance hydrologic and sediment modeling in county's Pacific coastal watersheds where such modeling would be helpful to inform projects that alleviate flooding and/or stream bank erosion.	Existing & New	Wildfire, Landslide, Flood, Climate Change, Severe Weather	1,5,7	San Mateo Resource Conservation District	Research institutes, Other RCDs, Santa Cruz Mountain Stewardship Network, USDA-NRCS, Landowners	High	State Grants (CA SCC/OPC Prop 68; WCB), Federal Grants (NOAA, FEMA BRIC/HMGP), County	Long-term	3
SRC-4	Advance groundwater studies in county's Pacific coastal watersheds to better understand groundwater basins (e.g., connections to surface water supply) to inform diversification of water supply and sustainable management groundwater supplies.	Existing & New	Drought, Climate Change	1,5,7	San Mateo Resource Conservation District	Research science institutes, Other RCDs, Santa Cruz Mountain Stewardship Network, USDA-NRCS, Landowners	High	State Grants (DWR; CA SCC/OPC Prop 68; WCB), Federal Grants (USDA-NRCS; NOAA, FEMA BRIC/HMGP), County	Short-term	3
SRC-5	Implement conservation practices and projects to improve soil health factors including organic matter content, aggregate stability, water holding capacity on residential, agricultural and parks/open space properties.	Existing	Drought, Landslide, Climate Change	6,7,14	San Mateo Resource Conservation District	Landowners, USDA-NRCS, County, NGOs	Low	State Grants (CDFA; WCB), Federal Grants (USDA-NRCS, FEMA BRIC/HMGP), County, Public & Private Landowners, Community Foundations	Ongoing	3
SRC-6	Develop and implement best management practices and projects on residential, parks/open space and agricultural properties and with communities to increase water security and protect streamflows. Examples include irrigation efficiency; strategically changing timing and rate of creek diversions; expanding and creating new water storage infrastructure; developing new water sources.	Existing & New	Drought, Climate Change	7,8,13,14	San Mateo Resource Conservation District	Landowners, USDA-NRCS	Low	State Grants (CDFA; DWR; CA SCC/OPC Prop 68; WCB), Federal Grants (USDA-NRCS; NOAA; FEMA BRIC/HMGP), County, Public & Private Landowners, Community Foundations	Ongoing	4
SRC-7	Develop and implement projects to help private and public landowners with addressing erosion issues that threaten access, structures and/or cause excess sedimentation in creeks, increasing future downstream flooding risk. Examples include guidance for and implementation of stormproofing best management practices (BMPs) on rural roads; replacing, repairing and/or retrofitting bridges and other road crossings and drainage infrastructure; and repairing gullies and landslides that threaten infrastructure and agricultural production.	Existing	Landslide, Flood, Climate Change, Severe Weather, Earthquake	6,7,8,13,14	San Mateo Resource Conservation District	Landowners, County, Other local districts, USDA-NRCS	Low	State Grants (CA SCC/OPC Prop 68; WCB, NPS 319), Federal Grants (USDA-NRCS; NOAA, EPA, FEMA BRIC/HMGP), County, Public & Private landowners, Community foundations	Ongoing	5
SRC-8	Develop and implement floodplain, stream and wetlands restoration projects on private and public lands in the District to reduce erosion and flooding to risks to communities and infrastructure.	Existing & New	Landslide, Flood, Climate Change, Severe Weather	7,8,14	San Mateo Resource Conservation District	CA Department of Parks and Recreation and Other Landowners, Federal and State wildlife agencies, County, Other local districts, USDA-NRCS	Low	State Grants (CA SCC/OPC Prop 68; WCB, NPS 319), Federal Grants (USDA-NRCS; NOAA, EPA, FEMA BRIC/HMGP), County, Public & Private landowners, Community foundations	Ongoing	3
SRC-9	Continue to develop and implement comprehensive, multi-benefit restoration projects in Pescadero Marsh and Pescadero-Butano watershed to advance long-term resilience to sea level rise, extreme storms, and coastal erosion for the adjacent communities and critical assets and nearby areas of the Pacific coastline, as well as provide environmental, recreation, community/connectivity enhancements where possible.	Existing & New	Landslide, Flood, Climate Change, Severe Weather	6,7,8,13,14	San Mateo Resource Conservation District	CA Department of Parks and Recreation and Other Landowners, Flood & Sea Level Rise District, County, Federal and State wildlife agencies, NGOs	Low	County Funding (Measure K), State Grants (CA SCC/OPC Prop 68), Federal Grants (FEMA BRIC/HMGP, NOAA, EPA, USACE)	Ongoing	5
SRC-10	Support and advance planning for, and development and implementation of projects that incorporate nature-based solutions to improve long-term resilience of communities and infrastructure (e.g., Highway 1, CA Coastal Trail) to sea level rise, extreme storms, and coastal erosion on the county's Pacific coastline.	Existing & New	Landslide, Flood, Climate Change, Severe Weather	2,6,7,8,9,10,13,14	San Mateo Resource Conservation District, Flood & Sea Level Rise Resiliency District	County, C/CAG, All municipalities, Caltrans, CA SCC, Landowners	High	County Funding (Measure K), State Grants (CA SCC/OPC Prop 68), Federal Grants (FEMA BRIC/HMGP, USACE)	Long-term	8
SRC-11	Engage with and provide guidance to communities developing community-scale plans such as CWPPs, prioritization plans or forest management plans.	Existing & New	Wildfire, Climate Change	1,2,3,5,6,7,8,9,10,12	San Mateo Resource Conservation District	CAL FIRE, Fire Safe San Mateo County, County, Landowners	Low	County Funding (Measure K), State Grants (CAL FIRE, CA SCC/OPC Prop 68), Federal Grants (FEMA BRIC/HMGP)	Ongoing	10
SRC-12	Develop and implement landscape-scale forest health, invasive species, and vegetation management to reduce the risk of damage from catastrophic wildfire.	Existing & New	Wildfire, Climate Change	7,8,9,14	San Mateo Resource Conservation District	CAL FIRE, Fire Safe San Mateo County, County, Landowners	Low	County Funding (Measure K), State Grants (CAL FIRE, CA SCC/OPC Prop 68), Federal Grants (FEMA BRIC/HMGP)	Ongoing	4

SRC-13	Work with communities to plan and implement defensible space and vegetation management programs to reduce the risk of damage from catastrophic wildfire. Examples of this action include convening and coordinating prescribed burn association (PBA) of private landowners: supporting community grazing programs, forest management planning, and strategic fuel breaks along strategic locations including along evacuation routes.	Existing & New	Wildfire, Climate Change	1,2,5,7,8,9,10,12,14	San Mateo Resource Conservation District	CAL FIRE, Fire Safe San Mateo County, County, Landowners	Low	County Funding (Measure K), State Grants (CAL FIRE, CA SCC/OPC Prop 68), Federal Grants (FEMA BRIC/HMGP)	Ongoing	9
SRC-14	Identify and pursue strategies to address debris flow, landslide, and flood risks, particularly those that protect post-fire priority sites identified in the Watershed Emergency Response Team Assessment following the CZU Lightning Complex Fire and implement recommendations of County debris flow study.	Existing	Wildfire, Landslide, Flood, Climate Change, Severe Weather	6,7,8	San Mateo Resource Conservation District	County, CAL FIRE, California Department of Conservation, Flood & Sea Level Rise Resiliency District	High	County Funding (Measure K), State Grants (CAL FIRE, CA SCC/OPC Prop 68), Federal Grants (FEMA BRIC/HMGP)	Ongoing	3
SRC-15	Identify and pursue strategies to incorporate dam failure, earthquake, tsunami and wildfire hazards into project planning, design, and implementation.	Existing & New	Wildfire, Earthquake, Dam Failure, Tsunami	1,5,6,7,8	San Mateo Resource Conservation District		Medium	General Fund, State Grants, Federal Grants (FEMA BRIC/HMGP)	Short-term	5
SRC-16	Develop and implement program for rapid drinking and surface water quality monitoring following fire response activities (e.g. fire retardant drops) for both public and private landowners in the District.	Existing & New	Wildfire	1,7	San Mateo Resource Conservation District	County, SWRCB	Medium	County, Public & Private landowners, Community foundations	Ongoing	2
SRC-17	Conduct outreach and education to the communities in the District regarding hazards and opportunities to mitigate on personal, property and community scales	Existing & New	Drought, Wildfire, Landslide, Flood, Severe Weather, Earthquake, Dam Failure	1,2,3,5,6	San Mateo Resource Conservation District	USDA-NRCS, County, NGOs, Fire Safe San Mateo County, Local Fire Districts	Low	General Fund, State Grants (CA SCC/OPC Prop 68) Federal Grants (FEMA BRIC/HMGP), County (Measure K), Community Foundations	Ongoing	5
SRC-18	Conduct outreach, education and engagement with relevant agencies to support them in updating, adopting, and/or implementing changes to regulations and policies, codes and ordinances and permit processes and funding mechanisms that are barriers to natural resource management and restoration practices and projects that mitigate hazards and increase resilience to future hazards.	Existing & New	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Earthquake, Dam Failure, Tsunami	1,2,5,7,10,14	San Mateo Resource Conservation District	Other RCDs, NGOs, Santa Cruz Mountain Stewardship Network	Medium	General Fund, Federal Grant (FEMA BRIC/HMGP)	Ongoing	6
SRC-19	Conduct outreach and education about role of natural resource management and habitat restoration in hazard mitigation with landowners, communities, NGOs, municipalities and other local agencies.	Existing & New	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Dam Failure, Tsunami	2,3,7,8,9,10,12	San Mateo Resource Conservation District	Other RCDs, NGOs, Santa Cruz Mountain Stewardship Network	Low	General Fund	Ongoing	7
SRC-20	Coordinate with regional Bay Area climate resilience and adaptation planning coalitions.	Existing & New	Drought, Wildfire, Flood, Climate Change, Severe Weather	2,10,12	San Mateo Resource Conservation District		Low	General Fund	Ongoing	3
SRC-21	Build the District's capability and capacity in various ways, including but not limited to: - Conducting community and stakeholder outreach; - Enhancing the expertise of staffing and improving project administration; - Developing partnerships and scoping new projects. - Coordinating steering committee/group/council to scope and prioritize projects	Existing & New	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Earthquake, Dam Failure, Tsunami	2,3,7,8,9,10,12	San Mateo Resource Conservation District		Medium	General Fund	Ongoing	7
G-1	Where appropriate, support retro-fitting, purchase or relocation of structures located in high hazard areas, prioritizing those structures that have experienced repetitive losses and/or are located in high or medium ranked hazard.	Existing	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Earthquake, Dam Failure, Tsunami		13 San Mateo Resource Conservation District	County	High	County, Federal Grant (FEMA BRIC/HMGP)	Ongoing	1
G-2	Actively participate in the plan maintenance protocols outlined in Volume 1 of this hazard mitigation plan.	Existing & New	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Earthquake, Dam Failure, Tsunami	1,2,3,5,7,8	San Mateo Resource Conservation District		Low	General Fund	Ongoing	6
G-3	Purchase generators for critical facilities and infrastructure that lack adequate backup power.	Existing	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Earthquake, Dam Failure, Tsunami		9 San Mateo Resource Conservation District		High	Federal Grant (FEMA BRIC/HMGP)	Short-term	1
G-4	Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.	Existing & New	Drought, Wildfire, Landslide, Flood, Climate Change, Severe Weather, Earthquake, Dam Failure, Tsunami	1,2,3,5,7,8	San Mateo Resource Conservation District		Low	General Fund	Ongoing	6

	Action	Timeline			
SRC-1	Integrate risk assessment and hazard mitigation strategies from this plan into resource management, conservation and carbon farm plans developed by the District.	Ongoing	Sep-22: Report (Covers October 1, 2021 - September 30, 2022)	Conservation and Carbon Farm Plans 4 plans covering 1,693 agricultural acres completed. 3 plans covering 322 agricultural acres in progress. Strategies included: SRC-5, -6, -7, -13, -14	Sep-22: Details (RCD ONLY. DO NOT REPORT) CCFPs Completed in 2022: Arata (1,300), Cascade (373), Fruition (9), Miramar (11). In progress in 2022: Fogline (42), Rancho San Benito (50?), Webb (230). ?City of HMB Climate Action Plan: Did not include that RCD supporting carbon sequestration component of this planning (starting in July 2022). Not quite sure if this effort fits with haz mit.
SRC-2	Advance data collection (field and remote sensing) for mapping products that would inform hazard mitigation planning. This includes but is not limited to: LiDAR and imagery flights; field-based ground-truthing of remote sensing data; GIS layer development for ladder fuels, vegetation type, road networks, etc.	Ongoing	Santa Cruz Mountain Stewardship (SCMSN): RCD provides the administrative staff support (in ongoing capacity) as well as project-specific technical guidance and support to the SCMSN which advanced multiple data collection and mapping efforts that were during reporting period: Post-2020 CZU Lightning Complex Fire Mapping and Analysis to assess impact of fires on vegetation and update corresponding lifeform and fine scale vegetation maps in San Mateo and Santa Cruz Counties. Collaborative Vegetation Mapping Project for the Coastal Regional Prioritization Plan for forest health and fire prevention projects. Streamgages: Provided ongoing funding and staff support to USGS to operate streamgages in the Pescadero-Butano, San Gregorio and Pilarcitos watersheds. Data are used for project development and design, and monitoring of flood hazard mitigation and habitat restoration projects.		USGS CAL FIRE CA State Parks Local land managers SFPUC County Coastside Water District SMC Office of Sustainability
SRC-3	Advance hydrologic and sediment modeling in county's Pacific coastal watersheds where such modeling would be helpful to inform projects that alleviate flooding and/or stream bank erosion.	Ongoing	Pescadero Marsh Sea Level Rise Modeling: RCD convenes and manages the Pescadero Technical Advisory Committee (TAC)/Roundtable (consisting of federal, state and local agency experts) and its key efforts which included during reporting period modeling of the effects of a number of SLR scenarios in Pescadero lagoon in support of the Pescadero Marsh Restoration and Resiliency Project (see reporting for SRC-9)	Pescadero Tech Roundtable SLR modeling: Reported in progress in 2022	UC Davis CA Coastal Conservancy CA State Parks USGS
SRC-4	Advance groundwater studies in county's Pacific coastal watersheds to better understand groundwater basins (e.g., connections to surface water supply) to inform diversification of water supply and sustainable management groundwater supplies.	Ongoing	Groundwater analyses for water storage projects: As part of the design development of water storage projects in San Gregorio and Butano creek watersheds (see reporting for SRC-6), conducted project specific groundwater analyses at these two sites.		
SRC-5	Implement conservation practices and projects to improve soil health factors including organic matter content, aggregate stability, water holding capacity on residential, agricultural and parks/open space properties.	Ongoing	CA Healthy Soils Technical Assistance Program (HSTA): Continued implementation of HSTA program for agricultural producers in SMC. Assisted 15 producers with application process for funding to implement practices that improve soil health factors. 4 producers were awarded funding and RCD is providing ongoing support for implementation of practices that included compost application (~110 acres) and hedgerow planting (~1,650 linear feet). County Compost Technical Assistance: Assisted SMC Office of Sustainability with development of a compost technical assistance program to help County in supporting composting projects. SB 1383 Compost Program for SMC: Developed and now coordinating the compost procurement and application program to enable 20 cities and the county to meet requirements for compost distribution to agricultural producers under SB 1383.	Healthy Soils: Reported in 2022: Blue House (Compost Application on 44 acres), Clos de la Tech (Hedgerows 0.22 acres), Pomponio (Compost application on 45 acres, Hedgerows on 1,637 linear feet), Tunitas Creek Family Farm (Compost application on 20 acres). Assistance on Compost TA Program to SMC OOS completed in 2022. SB1383 Compost Program for SMC: Ongoing into 2023.	CA Dept of Food & Ag Agricultural producers SMC Office of Sustainability
SRC-6	Develop and implement best management practices and projects on residential, parks/open space and agricultural properties and with communities to increase water security and protect streamflows. Examples include irrigation efficiency; strategically changing timing and rate of creek diversions; expanding and creating new water storage infrastructure; developing new water sources.	Ongoing	Memorial County Park Water System Upgrade: To improve water security for park and improve conservation, replaced 4 failing water distribution lines and installed new flowmeters to enable SMC Parks staff to rapidly locate and address leaks or other system problems. Little Butano Creek Flow Enhancement: Completed planning a project in Butano State Park to reduce water demand, improve water security and improve streamflow on Little Butano Creek. Project activities include installation of a new 100,000-gallon raw water storage tank, replacement of approximately 4,950 lineal feet of water pipeline, and replacement of low-efficiency fixtures and leaking hose spigots. Construction will continue in 2023 Loma Mar Pipeline Replacement and Water Treatment Plant Upgrade: Conducting permitting for project construction to replace 1.2 miles of leaking and failure-prone critical pipeline infrastructure (dating from the 1930s) that serves as the the Loma Mar Mutual Water and Improvement Company water distribution system which connects to 36 hookups to the existing treatment plant. Project will significantly improve the community's water security during periods of drought. Construction anticipated 2023. Other drought relief projects (Potrero Nuevo Farm Ag Pond and Restoration Project and San Gregorio Streamflow Improvement at TeKwe Anaa Warep Farm): Initiated design development for projects to increase water security for farm operations, improve streamflow for fish and enhance wetland habitat. Projects include features such as: water storage, water pipelines, irrigation equipment upgrades for efficiency and development of a water plan. Also applied for CA Dept of Water Resources Integrated Water Management grant program funding for construction.	Memorial County Park: Phase 2 construction completed in 2022. Next phase constructing 2023? Little Butano Creek Flow Enhancement: Report implementation in 2023 (if applicable) Loma Mar Pipeline Replacement and Water Treatment Plant Upgrade: Report remaining planning and construction in 2023 (if applicable). Potrero Nuevo Farm Ag Pond and Restoration Project and San Gregorio Streamflow Improvement at TeKwe Anaa Warep Farm: Planning to continue in 2023? Implementation in 2024? Backfield: FUTURE WORK?: 3 farms' ponds projects originally envisioned drawing from Butano Creek, but no longer possible. Pursuing development of other water sources for these: Pipeline from Lake Lucerne system?	CA State Parks CA Wildlife Conservation Board POST

SRC-7	Develop and implement projects to help private and public landowners with addressing erosion issues that threaten access, structures and/or cause excess sedimentation in creeks, increasing future downstream flooding risk. Examples include guidance for and implementation of stormproofing best management practices (BMPs) on rural roads; replacing, repairing and/or retrofitting bridges and other road crossings and drainage infrastructure; and repairing gullies and landslides that threaten infrastructure and agricultural production.	Ongoing	<p>Pescadero Creek County Park: Planned and implemented repairs at 2 creek crossings (Dark Gulch and Trestle Creek) to reduce sedimentation to Pescadero Creek and improve critically important emergency/fire access along Old Haul Road in the park. And, permitted and implemented emergency removal of damaged Baker Bridge on Baker Fire Road. Damaged bridge was at imminent risk of collapse into Pescadero Creek which would have damage creek habitat and cause streambank erosion and threatened downstream infrastructure. Currently planning bridge replacement (expected for construction in summer 2023).</p> <p>Addressing Fire Impacts on Sedimentation from Gazos Creek Watershed Roads: Following the CZU Fire, the state's debris removal construction contractor scraped miles of rural (unpaved) roads in the Gazos watershed, destroying and removing engineered drainage features. This caused severe erosion and sedimentation into the creek network and road failures during big storms in 2021. RCD completed post-storm assessments of these roads and developed treatment prescriptions for installation of stormproofing BMPs and submitted a grant application (which is likely to be awarded) for implementation funding (\$250,000) for construction in summer 2023.</p> <p>Pescadero-Butano Watershed Farm & Ranch Erosion Assessments and Plans: Conducted erosion assessments for 10 farms and ranches and developed recommendations for BMPs for roads and ag operations to reduce sedimentation to the creek network. Enables farms to meet reporting requirements for Water Board water quality regulations on sediment that apply to this watershed.</p> <p>National Water Quality Initiative (NWQI): Conducted watershed-scale planning phase of this federally funded program (awarded in 2021 by USEPA and USDA Natural Resource Conservation Service (NRCS)) that will provide ongoing funding (~\$250,000 allocated annually) to agricultural producers throughout the Pescadero-Butano watershed to assist them in implementing NRCS-approved conservation practices to reduce sedimentation to the creek network.</p>	<p>Pescadero Creek County Park: On Old Haul Road: Dark Gulch touch up, Trestle Creek Bridge touch up reported in 2022. For 2023 or 2024, report development of treatment prescriptions (and installation?) of OHR road drainage improvements on remaining 3 miles (proposed for NOAA-IWRP in For year 2). Baker Bridge removal reported in 2022. Planning for replacement reported 2022. Construction of new bridge to report in 2023. Gazos: Report implementation in 2023 if applicable. PBW Erosion Inventories and plans: Reporting 10 in 2022. NWQI: Reported watershed-scale planning almost complete in 2022. Report planning completed and starting implementation in 2023.</p>	<p>SMC Parks NOAA Bear Gulch Road Association Natural Resource Conservation Service (NRCS) SF Regional Water Quality Control Board (RWQCB) Resource Legacy Fund CA Coastal Conservancy</p>
SRC-8	Develop and implement floodplain, stream and wetlands restoration projects on private and public lands in the District to reduce erosion and flooding to risks to communities and infrastructure.	Ongoing	<p>Butano Creek Backfield Floodplain & Streamflow Enhancement Project: Completed design development for project to create approximately 4 acres floodplain and increase activation of 100+ acres of historical floodplain in the Pescadero-Butano watershed along an 1,800-foot stretch of Butano Creek, and enhance and protect current farming operations by raising the elevation of an existing farm field and expanding an existing ag pond. Initiated permitting and submitted application for grant funding for construction.</p> <p>Large woody debris projects: Completed design development and applied for funding for future completion of planning and construction on 4 LWD projects along San Gregorio Creek (0.6 miles), Pescadero Creek (2 miles), and Butano Creek (0.3 miles). These projects will restore large wood in creeks to improve habitat for threatened and endangered species while also decreasing water velocities during high flows and trapping sediment upstream to reduce streambank failure and creek incision and reduce downstream sedimentation that contributes to flooding hazards.</p>	<p>Butano Creek Backfield Floodplain Enhancement & Streamflow Enhancement Project: Design dev reported for 2022. Permitting and rest of planning report for 2023? Large Woody Debris Projects: San Gregorio Creek Habitat Enhancement at Apple Orchard Large Woody Debris Phase 2 (0.1 miles of creek): Design dev & funding reported for 2022. Permitting and rest of planning report for 2023? Pescadero Creek County Park LWD Phase 1 (2 miles of creek): Design dev & funding reported for 2022. Report implementation 2023 (if applicable). San Gregorio Habitat Enhancement Phase 3 (0.5 miles): Advanced design development & funding application for completion of planning and implementation. Butano Creek at Girl Scouts Camp (0.3 miles): Design development reported 2022. Report planning completion and implementation in 2023</p>	MROSD
SRC-9	Continue to develop and implement comprehensive, multi-benefit restoration projects in Pescadero Marsh and Pescadero-Butano watershed to advance long-term resilience to sea level rise, extreme storms, and coastal erosion for the adjacent communities and critical assets and nearby areas of the Pacific coastline, as well as provide environmental, recreation, community/connectivity enhancements where possible.	Ongoing	<p>Pescadero Marsh Restoration and Resiliency Project: Initiated design development of this comprehensive restoration project on CA State Parks property to restore and enhance habitat for various threatened and endangered species and to restore ecosystem function to enable the marsh system to naturally evolve and adapt to changes in sea level and storms.</p> <p>Lower Pescadero Resilience Project: Initiated design development of projects for the reach of stream along the Pescadero town center to reduce nuisance flooding, improve habitat and trap sediment and reduce streambank erosion in lower Pescadero watershed. Convened the Integrated Watershed Restoration Program (IWRP) Technical Advisory Committee (TAC) in Feb 2022 to assist in design.</p>	<p>Pescadero Marsh Restoration and Resiliency Project: Note that in previous years (i.e. not reported) this project included data collection(SRC-3) and outreach and education to the landowners on how project mitigate erosion and flooding hazards (SRC-17) and technical review by IWRP TAC to assist in design. Lower Pescadero Resilience Project (aka Pescadero Corridor Project): Reporting partial design development in 2022. Report completion in 2023. Note that in previous years (i.e. not reported) this project included data collection and modeling (SRC-3) and outreach and education to the landowners on how project mitigate erosion and flooding hazards (SRC-17). SoCoSLR: Completed in 2022.</p>	<p>CA State Parks Ca Coastal Conservancy</p>
SRC-10	Support and advance planning for, and development and implementation of projects that incorporate nature-based solutions to improve long-term resilience of communities and infrastructure (e.g., Highway 1, CA Coastal Trail) to sea level rise, extreme storms, and coastal erosion on the county's Pacific coastline.	Ongoing	<p>South Coast Sea Level Rise Vulnerability Assessment and Adaptation Plan: Continued to provide technical and outreach and engagement support (under subcontract with SMC Office of Sustainability) for this planning effort which wrapped up this year.</p> <p>Highway 1 in Pescadero Corridor: Providing technical input and coordination assistance to SMC Office of Sustainability, Caltrans and CA Coastal Commission on two Caltrans' Project Initiation Documents (PIDs) for near- and long-term planning for Highway 1 in Pescadero marsh to take into account flooding and erosoin with sea level rise projections and other hazards and to integrate and coordinate with restoration planning efforts for the marsh.</p>	<p>Highway 1 in Pescadero Corridor: Sara & Jim R have participated in 4 coordination calls with OOS, Caltrans and CCC staff on 2 PIDs (Project Initiation Documents) under development for Highway 1 in Pescadero. One is near term PID for addressing erosion and flooding concerns, other is long-term looking at solutions that take into account sea level rise scenarios along with other factors (i.e. combined hazards). For future reporting: Wavecrest seasonal wetland restoration -- reduces bluff edge erosion due to concentrated stormflows in Seymour Ditch which will protect coastal trail and prevent erosion of the closed landfill.</p>	<p>SMC Office of Sustainability Caltrans CA Coastal Commission</p>
SRC-11	Engage with and provide guidance to communities developing community-scale plans such as CWPPs, prioritization plans or forest management plans.	Ongoing	<p>El Granada Wildfire Resiliency Scoping Project: Completed this project to develop site-specific wildfire scenarios and actions that would most effectively reduce catastrophic fire risks to this residential community. Addresses ~440 acres.</p> <p>Coastal Regional Prioritization Plan (CRPP): Led the Santa Cruz Mountain Stewardship Network (SCMSN) Fire and Forest Health Team's development of CRPP selection process criteria for identifying priority forest health and vegetation management projects in the Santa Cruz Mountain region.</p>	<p>For 2023 report?: Fire Adapted Communities planning?</p>	<p>CAL FIRE Coastside Fire Protection District Midcoast Community Council SMC Fire Department SMC Parks SCMSN</p>

SRC-12	Develop and implement landscape-scale forest health, invasive species, and vegetation management to reduce the risk of damage from catastrophic wildfire.	Ongoing	<p>Forest Health and Fuel Reduction Projects: Completed planning and/or implementation of these projects that advance landscape-scale forest health improvements and vegetation management to reduce risks of catastrophic wildfire in the Santa Cruz Mountains: 3 planning projects covering 1,170 acres 3 projects implemented covering 538 acres</p>	<p>Butano SP FH: 420 acres (Reported as planning project for 2022. Report as implementation in 2023-2024) Camp Butano (Girl Scouts): 41 acres (Reported as implemented for 2022) Hypericum Eradication (Mushroom Farm): 500 acres (Reported planning project for 2022. Start reporting implementation in 2023 -- note that it is ongoing implementation project for 10 years) Quarry Park Shaded Fuel Break: 149 acres (Reported implementation complete on 95 acres in 2022. Report remaining acres for 2023.) Huddart & Wunderlich FH & Fuel Reduction: 402 acres. (Reported as implementation completed 2022) La Honda Shaded Fuel Break Project: 250 acres (Reported as planning underway 2022. Planning continues in 2023. Implementation in 2024-25).</p>	<p>SMC Parks CAL FIRE CA State Parks CA Coastal Conservancy Girl Scouts of Northern CA POST SMC Dept of Agricultural Weights/Measures Cuesta La Honda Guild MROSD Other Public & Private Landowners CAL FIRE CA Fire Safe Council CA Coastal Conservancy Coastside Fire Protection District La Honda Fire Brigade Loma Mar Fire Brigade South Skyline Fire Safe Council Woodside Fire Protection District</p>
SRC-13	Work with communities to plan and implement defensible space and vegetation management programs to reduce the risk of damage from catastrophic wildfire. Examples of this action include convening and coordinating prescribed burn association (PBA) of private landowners: supporting community grazing programs, forest management planning, and strategic fuel breaks along strategic locations including along evacuation routes.	Ongoing	<p>Neighborhood Chipper Program: Continued implementation of this program that provides free chipping of vegetation that homeowners have removed to create and maintain defensible spaces around their homes. Offered chipping 23.5 days, serving ~275 homes in 8 different communities in San Mateo County.</p>		
SRC-14	Identify and pursue strategies to address debris flow, landslide, and flood risks, particularly those that protect post-fire priority sites identified in the Watershed Emergency Response Team Assessment following the CZU Lighting Complex Fire and implement recommendations of County debris flow study.	No Progress	RCD did not advance this specifically during the reporting period.	Not sure we really did anything on this in 2022.	
SRC-15	Identify and pursue strategies to incorporate dam failure, earthquake, tsunami and wildfire hazards into project planning, design, and implementation.	No Progress	RCD did not advance this specifically during the reporting period.	Not sure we really did anything on this in 2022.	
SRC-16	Develop and implement program for rapid drinking and surface water quality monitoring following fire response activities (e.g. fire retardant drops) for both public and private landowners in the District.	No Progress	Did not receive funding to support work on this beyond the immediate post-fire monitoring conducted in 2020	Not sure we really did anything on this in 2022.	
SRC-17	Conduct outreach and education to the communities in the District regarding hazards and opportunities to mitigate on personal, property and community scales	Ongoing	<p>Climate Change & Agriculture Workshop: Planning convening (for Dec 2022) of 30-50 agricultural producers in SMC to educate farmers about how climate change may impact ag, establish a forum for dialogue about climate change and building resilience, to learn what producers are most concerned about to inform future work. Community Outreach: Presented at and field questions from the public at community meetings (e.g., Sustainable Pescadero, Pescadero Municipal Advisory Committee (PMAC)) and did outreach at coastside events (Aug & Sep 2022) about wide range natural resource issues and hazards and opportunities for addressing and/or mitigating these. Example topics include: chipper program (see reporting for SRC13) and creating and maintaining defensible space around properties; preventing spread of invasive plants that increase fire risk; green infrastructure; stormproofing rural roads; drought tolerant planting; and increasing soil health and water-holding capacity through composting and native plantings. La Honda Shaded Fuel Break Project: RCD is implementing a community scale fire hazard mitigation project envisioned by CAL FIRE to create a circular fuel break surrounding the community of La Honda to reduce the risk of fire. RCD conducted outreach and education with ~25 private and public landowners about participation in this project.</p>	<p>Climate Change & Ag Workshop: Workshop planned for December 7, 2022. (Report for 2023?) Fire Resiliency Program Outreach: Water Quality</p>	<p>SMC Office of Sustainability SMC Dept of Ag Multiple farmers and ranchers USDA Climate Hub UC Ag & Natural Resources (UCANR)</p>
SRC-18	Conduct outreach, education and engagement with relevant agencies to support them in updating, adopting, and/or implementing changes to regulations and policies, codes and ordinances and permit processes and funding mechanisms that are barriers to natural resource management and restoration practices and projects that mitigate hazards and increase resilience to future hazards.	Ongoing	<p>Cutting Green Tape (CGT): CGT is an initiative working with state and federal agencies and state legislators to improve permitting and funding efficiencies for ecological restoration and stewardship. The RCD helped start CGT and continues to advance work of the CGT as a collaborative co-leader of this initiative. Working through this initiative, RCD helped advance two review/permitting efficiencies: a new CEQA Statutory Exemption for Restoration Projects and a new Programmatic USFWS Biological Opinion also covering habitat restoration projects. Coastside One Water & South Coast One Water: Coordinate these regular meetings (usually every other month) of local public, nonprofit and private entities to support coordination and collaboration on drought, wastewater, and stormwater issues and potential solutions. Integrated Watershed Restoration Program (IWRP) Technical Advisory Committee (TAC): RCD convenes the IWRP TAC which includes of federal, state and local resource agency experts to provide early input on multi-benefit restoration projects to ensure they support their agencies' resource protection goals and ID ways they can address regulatory barriers (from their organizations) to implementation of these projects. RCD convened the TAC for field visits in Feb and July and a virtual meeting in Mar 2022 to visit and discuss 10 creek and marsh restoration projects in early development.</p>		<p>CA Natural Resources Agency CA Landscape Stewardship Network County Coastside Water District SMC Harbor District Sewer Authority Mid-Coast Montara Water and Sanitary District City of Half Moon Bay SMC Office of Sustainability CCAG SMC CA State Parks Puente de la Costa Sur</p>

SRC-19	Conduct outreach and education about role of natural resource management and habitat restoration in hazard mitigation with landowners, communities, NGOs, municipalities and other local agencies.	Ongoing	<p>South Coast Sea Level Rise Story Map and Community Meetings: Developed content (under contract with SMC Office of Sustainability) for these these outreach and education materials and activities on impacts of SLR and other coastal hazards and adaptation approaches for the South Coast, with a focus on hazard mitigation achieved through natural resource management and habitat restoration. (Jan-Mar 2022)</p> <p>Euc-a-thon at PIE Ranch: Assisted in organizing and coordinating this volunteer stewardship event to remove eucalyptus sprouts as part of post-fire landscape restoration and education public about role of invasive species removal in fire hazard mitigation. (Oct 2021)</p> <p>Annual community events: Tabling and outreach at events about RCD natural resource management and habitat restoration work to build resiliency. Pescadero Arts and Fun Festival (Aug 2022) MROSD Celebration (Sep 2022)</p> <p>Presentations: Throughout the year staff presented at public meetings of local government councils, boards and districts, at professional workshops and conferences, and to local school programs about role of natural resource management and habitat restoration in hazard mitigation. Staff have done more than 20 of these types of presentations over the reporting period. (Note that these do not include the numerous project-specific presentations that the RCD staff do as part of project implementation.)</p> <p>Tours: During this reporting period, staff led 6 different tours of project sites for funders, regulators, local environmental advocacy NGOs, elected officials, local agency staff and landowners to help them understand first-hand the natural resource management and habitat restoration work that the RCD does and how these efforts increase resiliency to existing and future hazards for them and their constituents. (Note that these do not include the numerous project-specific site tours that the RCD staff do as part of project implementation.)</p> <p>Participated in and supported regional planning efforts: South Coast Sea Level Rise Vulnerability Assessment and Adaptation Plan (work completed under contract with SMC Office of Sustainability, see reporting for SRC-10); SMC Flood & Sea Level Rise Resiliency District meetings; Bay Area Water Supply & Conservation Agency (BAWSCA) Water Supply Reliability Roundtable.</p>	SoCoSLR: Completed in 2022. Community Events: Report Mav Fest (Oct 2022) for 2023 report.	SMC Office of Sustainability Puente de la Costa Sur
SRC-20	Coordinate with regional Bay Area climate resilience and adaptation planning coalitions.	Ongoing			
SRC-21	<p>Build the District's capability and capacity in various ways, including but not limited to:</p> <ul style="list-style-type: none"> - Conducting community and stakeholder outreach; - Enhancing the expertise of staffing and improving project administration; - Developing partnerships and scoping new projects. - Coordinating steering committee/group/council to scope and prioritize projects 	Ongoing	<p>CalVTP Training: Fire program staff participated in training on utilizing California Vegetation Treatment Program (CalVTP), a streamlined framework for improving Wildland Urban Interface (WUI) fire resilience, ecosystem health, and increasing forest carbon sequestration through targeted vegetation treatments. (Mar 2022)</p> <p>Erosion and Sediment Management Training and Certification: Staff member completed Certified Inspector of Sediment and Erosion Control (CISEC) and Qualified SWPPP Practitioner (QSP) (Sep 2022)</p> <p>Conservation Stewardship Program (CSP): Staff took a CSP Training offered by USDA Natural Resource Conservation Service (NRCS) on conservation practices that agricultural producers can implement to increase resiliency to weather and market volatility and improve wildlife habitat conditions. (Sep 2022)</p> <p>Highly Erodible Soil Determination Training: NRCS staff provided this training to RCD agriculture program staff. (Aug 2022).</p> <p>Nesting Bird Survey Training: RCD staff joined this training offered by SMC Parks for Park Rangers (June 2022)</p> <p>Plant Survey Training: RCD Biologist held this training for staff. (May 2022)</p>	Hab Management Training coming in Nov 2022?	
G-1	Where appropriate, support retro-fitting, purchase or relocation of structures located in high hazard areas, prioritizing those structures that have experienced repetitive losses and/or are located in high or medium ranked hazard.	Ongoing	<p>Montara Water and Sanitary District (MWSD) Pipeline Relocation: Developed funding application for MWSD for FEMA HMP grant (for \$5 million) to support removal of backup sewer line adjacent to bluff edge and at risk of erosion within next 5-7 years. Funding request was not accepted by CalOES for next round of review. .</p>	MWSD Pipeline: CalOES wants MWSD to submit prepared application for BRIC funding. RCD will not be helping with this bc MWSD reneged on pledge to cover our costs for preparing the application (~\$10,000).	
G-2	Actively participate in the plan maintenance protocols outlined in Volume 1 of this hazard mitigation plan.	Ongoing	Reporting and updating strategies.		
G-3	Purchase generators for critical facilities and infrastructure that lack adequate backup power.	No Progress	NA		
G-4	Support the County-wide initiatives identified in Volume I of the hazard mitigation plan.	Ongoing	Nothing to report		



Memorandum

Date: November 17, 2022
To: Board of Directors
From: Kellyx Nelson
Re: Recommendation to contract with Express Plumbing, Inc. for Loma Mar pipeline replacement work

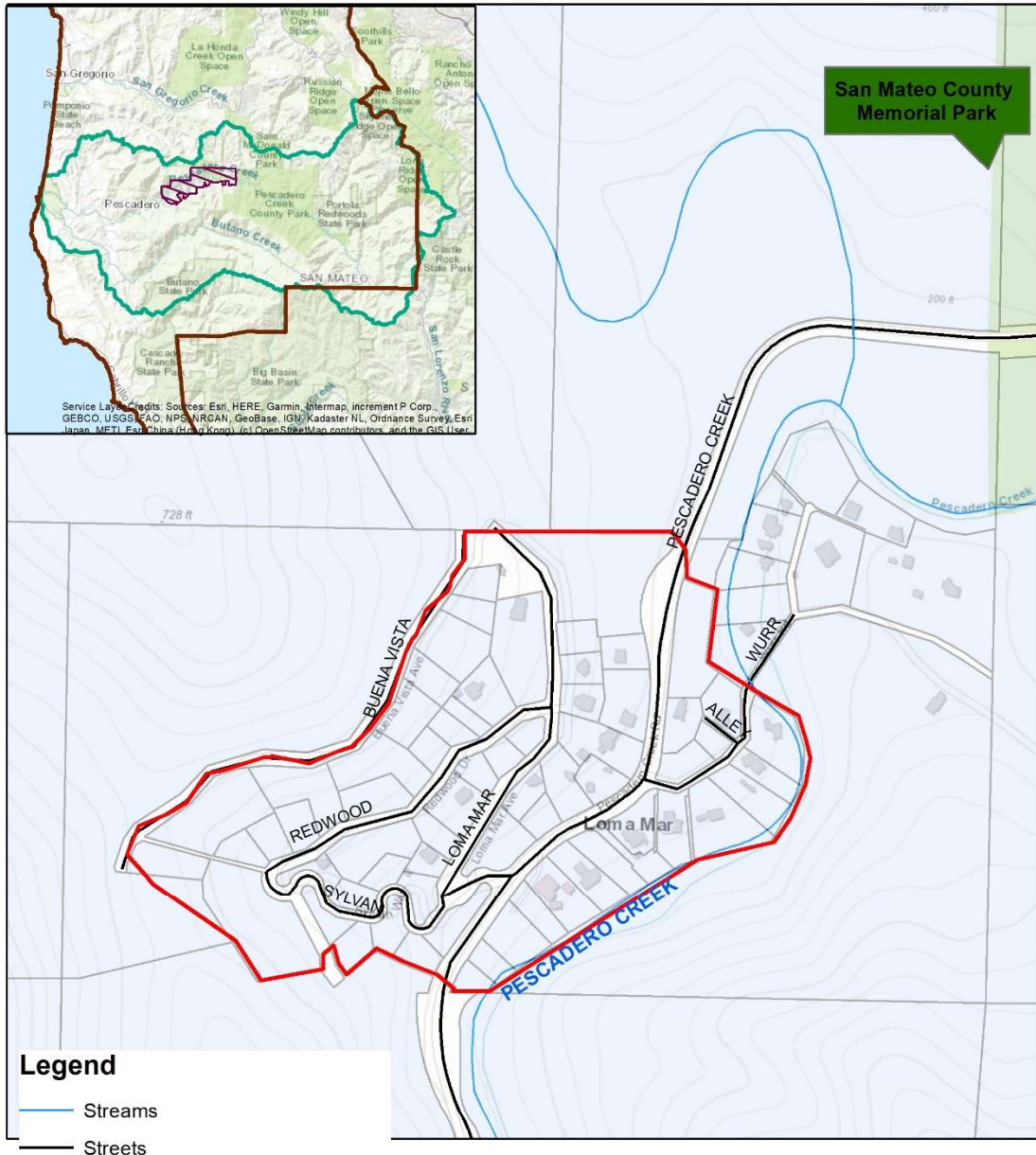
RCD staff recommends the board of directors approve contracting with Express Plumbing, Inc. for an amount not to exceed \$1,263,965 to complete a portion of the Loma Mar Pipeline Replacement and Water Plant Upgrade Project.

The overall project will install a highly efficient and long-lasting water system for the community of Loma Mar that will result in water savings and system reliability and will improve water security for the community in the face of the current and future droughts. The work to be completed by Express Plumbing, Inc. is to install (1) approximately 6,608 feet of pipeline connecting water storage tanks and a water treatment plant, (2) flushing hydrants at select locations, and (3) service connections (pipeline and water meters) from the mainline to the edges of properties. The community is installing connections from the water meters to individual residences.







A Request for Bids for this work was released on October 13, 2022. It was distributed to 22 qualified firms, five trade journals, posted on the RCD's website, and published in the Half Moon Bay Review. Ten firms attended a mandatory pre-bid site tour on October 24, 2022. Three firms submitted bids, which were opened during a public bid opening on November 14, 2022. All three bids appeared complete and were submitted by the deadline. Express Plumbing, Inc. was the lowest responsible bidder. The RCD has worked successfully with Express Plumbing in the past and has previously checked references and found them to be positive.

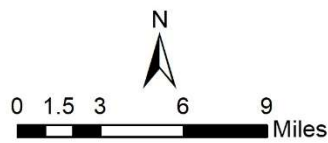


Loma Mar Mutual Water and Improvement Company Pipeline Replacement Project



Legend

-  Streams
-  Streets
-  Loma Mar Mutual Water Company
-  San Mateo County Boundary
-  Loma Mar City Boundary
-  Pescadero-Butano Watershed



Memorandum

Date: November 17, 2022
To: Board of Directors
From: Kellyx Nelson
Re: Recommendation to contract with Stillwater Sciences for Pescadero Estuary Restoration Project: Designs for the North Marsh and North Pond Complex

RCD staff recommends the board of directors approve contracting with Stillwater Sciences for the Pescadero Estuary Restoration Project: Designs for the North Marsh and North Pond Complex for an initial amount not to exceed \$50,000 for a first phase with the potential for additional \$250,000 for future phases to complete designs and provide implementation support.

This project was identified via the Integrated Watershed Restoration Program Technical Advisory Committee and Pescadero Technical Roundtable. It will develop designs and associated technical studies to address known water quality and habitat impacts resulting from historic land use and relic infrastructure in the Pescadero lagoon that stem from an area called the North Marsh and North Pond Complex (NMNPC). The NMNPC (upper half of Figure 1) is the main remaining high priority area within the marsh in need of significant ecological restoration.

A Request for Proposals (RFP) was sent to three firms on August 4, 2022 and is available on the RCD's website. Stillwater Sciences was the only firm to submit a proposal. It was deemed complete, was submitted by the deadline, and met the budget and schedule requirements. The firm met all criteria required in the RFP including: experience in ecological restoration design in bar-built estuary systems along California's Central Coast, preferably direct experience in the Pescadero estuary; staff experience in estuarine ecology, coastal geomorphology and/or engineering, civil and hydraulic engineering, fisheries biology, and experience with tidewater goby, California red-legged frog, and other special status species likely to be encountered and affected by the proposed project; significant experience working with and modeling in Deltares' Delft 3D environment; and staff availability to finalize a work program and complete contracting documents with the RCD within 3 weeks of selection and ramp up staffing to complete 30% design work by the end of January 2023. The firm provided good references and has completed similar projects successfully throughout the

Bay Area. The team has unique expertise because it includes the scientist who developed the model that will be used in the proposed work.



Figure 1. Aerial view of the Pescadero Marsh with the upper half north of Pescadero Creek called the North Marsh and North Pond Complex.

SAN MATEO RESOURCE CONSERVATION DISTRICT

FINANCIAL STATEMENTS

AS OF SEPTEMBER 30, 2022

SAN MATEO RESOURCE CONSERVATION DISTRICT

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San Mateo Resource Conservation District
Budget Actual
As of June 30, 2022

	FY 23	9.30.22	
	<u>Budget</u>	<u>Actual</u>	<u>%</u>
REVENUE			
<u>Program Revenue</u>			
Agricultural Ombudsman	\$ 62,172	10,259	17%
Climate Mitigation and Adaptation	\$ 694,472	58,426	8%
Conservation Technical Assistance	\$ 188,428	13,100	7%
Cutting Green Tape	\$ 75,000	54,546	73%
Erosion and Sediment Management	\$ 38,154	7,985	21%
Fee for Service	NA	18	NA
Fire and Forestry	\$ 2,694,555	697,627	26%
Habitat Enhancement	\$ 3,569,671	1,027,519	29%
Santa Cruz Mountains Stewardship Network	\$ 1,358,460	336,792	25%
Stream Gage	NA	20,607	NA
Water Quality	\$ 403,617	61,398	15%
Water Resources & Conservation	\$ 5,576,114	115,614	2%
Subtotal Program Revenue	\$ 14,660,643	2,403,890	16%
<u>Other Revenue</u>			
County Contributions	\$ 200,000	-	0%
San Mateo County Covid Relief	NA	79,141	NA
Donations	\$ 20,000	25,500	128%
Interest Income	\$ 1,300	331	25%
Misc. Income	\$ -	223	NA
Property Tax	\$ 85,000	5,268	6%
Subtotal Other Revenue	\$ 306,300	110,462	36%
Total Revenue	\$ 14,966,943	\$ 2,514,352	17%
EXPENSES			
<u>Operating Expenses</u>			
Personnel (Salaries & Fringe)	\$ 2,696,817	581,279	22%
Other	\$ 321,900	67,052	21%
Subtotal Operating Expenses	\$ 3,018,717	648,331	21%
<u>Program Expenses</u>			
Agricultural Ombudsman	\$ 13,860	1,369	10%
Climate Mitigation and Adaptation	\$ 451,964	4,934	1%
Conservation Technical Assistance	\$ 95,980	1,136	1%
Cutting Green Tape	\$ 50,000	37,681	75%
Fee for Service	NA	18	NA
Erosion and Sediment Management	\$ -	3,799	NA
Fire and Forestry	\$ 2,050,728	668,662	33%
Habitat Enhancement	\$ 2,871,242	796,753	28%
Santa Cruz Mountains Stewardship Network	\$ 1,227,472	212,746	17%
Stream Gage	NA	25,607	NA
Water Quality	\$ 141,907	27,355	19%
Water Resources & Conservation	\$ 5,184,824	55,971	1%
Subtotal Program Expenses	\$ 12,087,977	1,836,030	15%
Total Expenses	\$ 15,106,694	2,484,361	16%
NET	\$ (139,751)	29,992	-21%
Operating Reserve Allocation	\$ 250,000		

San Mateo Resource Conservation District
Balance Sheet
As of September 30, 2022

	Sep 30, 22
ASSETS	
Current Assets	
Checking/Savings	
1030 · Checking Account (5269)	2,834,986.74
1031 · Restricted State Funds (5012) (Butano Channel)	2,997.70
1032 · Operating Reserve (0202)	600,222.07
Total Checking/Savings	3,438,206.51
Accounts Receivable	
1200 · Accounts Receivable	4,098,982.43
Total Accounts Receivable	4,098,982.43
Total Current Assets	7,537,188.94
TOTAL ASSETS	7,537,188.94
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	1,591,650.13
Total Accounts Payable	1,591,650.13
Credit Cards	
2025 · Visa - Nelson - 1952	-39.99
2035 · Visa - Issel - 0129	3,794.07
Total Credit Cards	3,754.08
Other Current Liabilities	
2060 · Accrued Time Off	122,466.26
2400 · Deferred Revenue	
2401 · NFWF - San Bruno Mtn Butterfly	776,502.42
2405 · NFWF - Bonde Weir	3,263.86
2406 · CARCD - Pesc. Water Monitoring	1,921.74
2408 · Cutting Green Tape	-7,187.74
2410 · Santa Cruz Mountain Stewardship	119,869.65
2411 · SCMSN - Atlas Project	10,936.49
2412 · SCMSN-Spotlight Stewardship	18,757.69
2414 · SCMSN - Veg Gen	363,278.18
2415 · SCMSN - DEI	9,481.47
2416 · SCMSN - COVID	23.74
2420 · MROSD - Driscoll Ranch	60.35
2421 · MROSD - Apple Orchard	14.97
2425 · Randtron Antenna	3,184.32
2429 · PG&E - Apple Orchard	235,999.78
2430 · PG&E - Butano Mitigation Proj.	147,224.91
2431 · PG&E - Project Development	33,668.57
2432 · PG&E Foundation - Hedge Rows	3,014.54
2433 · PG&E - Tree Planting	2,963.76
2434 · PG&E - San Bruno Mountain	77,210.64

San Mateo Resource Conservation District

Balance Sheet

As of September 30, 2022

	Sep 30, 22
2435 · Cloverdale Ponds	75,132.38
2451 · SMC - Butano Channel	190,014.01
2465 · NACD - Urban Farming TA	7,675.24
2466 · NACD - Conservation TA	25,695.56
2468 · SVCF - Water Farm, Fish, People	95,373.42
2470 · SVCF - Carbon Farm Planning	20,275.29
2471 · SVCF - Mobile Laundry Grant	8,622.75
2473 · RLF - TMDL Pescadero Butano	40,014.65
2475 · SAM - First Flush	29,326.06
2476 · SAM - Mitigation	11,228.54
2477 · COP - First Flush	-1,380.15
2489 · PAR - Carbon Farm Planning	15,780.74
2490 · POST - DR Match Funds	11,747.79
2491 · POST - Rangeland Compost	5,526.78
2492 · POST - Ag CRAFT Event	1,399.71
2493 · POST - Potrero Nuevo Pond	40,000.00
2499 · Streamgages	63,754.92
Total 2400 · Deferred Revenue	2,440,377.03
Total Other Current Liabilities	2,562,843.29
Total Current Liabilities	4,158,247.50
Long Term Liabilities	
2530 · Moore Foundation	2,000,000.00
Total Long Term Liabilities	2,000,000.00
Total Liabilities	6,158,247.50
Equity	
3500 · Net Assets	1,272,177.27
3999 · SUSPENSE	76,772.52
Net Income	29,991.65
Total Equity	1,378,941.44
TOTAL LIABILITIES & EQUITY	7,537,188.94

San Mateo Resource Conservation District
Profit & Loss
 July through September 2022

	Jul - Sep 22
Ordinary Income/Expense	
Income	
4010 · Contracts	2,483,031.25
4020 · Donations	25,500.00
4040 · Interest	330.64
4055 · Property Tax	5,267.70
4080 · Stipend	222.96
Total Income	2,514,352.55
Gross Profit	2,514,352.55
Expense	
5100 · Personnel	
5110 · Salary	483,024.47
5120 · Benefits	98,254.38
Total 5100 · Personnel	581,278.85
5200 · Operating Expense	
5205 · Bank Fees	776.50
5210 · Communications	1,001.79
5215 · Dues-Membership-Subscriptions	4,500.00
5220 · Equipment	139.44
5225 · Information Technology	7,956.40
5230 · Insurance	841.98
5235 · Office Supplies	405.05
5240 · Rent	28,371.80
5255 · Misc. Consulting Services	14,960.02
5265 · Discretionary	2,481.11
5270 · Prof. Development & Meetings	5,617.71
Total 5200 · Operating Expense	67,051.80
5300 · Program Expenses	
5310 · Project Implementation	1,836,030.25
Total 5300 · Program Expenses	1,836,030.25
Total Expense	2,484,360.90
Net Ordinary Income	29,991.65
Net Income	29,991.65

San Mateo Resource Conservation District
Profit & Loss
 July through September 2022

	<u>Jul 22</u>	<u>Aug 22</u>	<u>Sep 22</u>	<u>TOTAL</u>
Ordinary Income/Expense				
Income				
4010 · Contracts	7,744.54	709,168.27	1,766,118.44	2,483,031.25
4020 · Donations	500.00	15,000.00	10,000.00	25,500.00
4040 · Interest	84.80	92.30	153.54	330.64
4055 · Property Tax	979.57	4,032.92	255.21	5,267.70
4080 · Stipend	0.00	222.96	0.00	222.96
Total Income	<u>9,308.91</u>	<u>728,516.45</u>	<u>1,776,527.19</u>	<u>2,514,352.55</u>
Gross Profit	9,308.91	728,516.45	1,776,527.19	2,514,352.55
Expense				
5100 · Personnel				
5110 · Salary	158,948.85	165,935.02	158,140.60	483,024.47
5120 · Benefits	25,636.71	23,033.23	49,584.44	98,254.38
Total 5100 · Personnel	<u>184,585.56</u>	<u>188,968.25</u>	<u>207,725.04</u>	<u>581,278.85</u>
5200 · Operating Expense				
5205 · Bank Fees	56.20	30.00	690.30	776.50
5210 · Communications	73.93	853.93	73.93	1,001.79
5215 · Dues-Membership-Subscriptions	0.00	0.00	4,500.00	4,500.00
5220 · Equipment	0.00	86.52	52.92	139.44
5225 · Information Technology	906.20	2,774.50	4,275.70	7,956.40
5230 · Insurance	0.00	0.00	841.98	841.98
5235 · Office Supplies	0.00	261.74	143.31	405.05
5240 · Rent	13,936.60	0.00	14,435.20	28,371.80
5255 · Misc. Consulting Services	180.00	14,780.02	0.00	14,960.02
5265 · Discretionary	0.00	2,109.38	371.73	2,481.11
5270 · Prof. Development & Meetings	586.82	1,723.27	3,307.62	5,617.71
Total 5200 · Operating Expense	<u>15,739.75</u>	<u>22,619.36</u>	<u>28,692.69</u>	<u>67,051.80</u>
5300 · Program Expenses				
5310 · Project Implementation	706,535.71	681,622.37	447,872.17	1,836,030.25
Total 5300 · Program Expenses	<u>706,535.71</u>	<u>681,622.37</u>	<u>447,872.17</u>	<u>1,836,030.25</u>
Total Expense	<u>906,861.02</u>	<u>893,209.98</u>	<u>684,289.90</u>	<u>2,484,360.90</u>
Net Ordinary Income	<u>-897,552.11</u>	<u>-164,693.53</u>	<u>1,092,237.29</u>	<u>29,991.65</u>
Net Income	<u><u>-897,552.11</u></u>	<u><u>-164,693.53</u></u>	<u><u>1,092,237.29</u></u>	<u><u>29,991.65</u></u>

San Mateo Resource Conservation District Accumulated Program Chart July through September 2022

