

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)	<p>Conservation and Carbon Farm Plans</p> <p>4 plans covering 1,693 agricultural acres completed. 3 plans covering 322 agricultural acres in progress. Strategies included: SRC-5, -6, -7, -13, -14</p> <p>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.</p>	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			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		<p>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)</p>	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		<p>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.</p>		
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		<p>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).</p> <p>County Compost Technical Assistance: Assisted SMC Office of Sustainability with development of a compost technical assistance program to help County in supporting composting projects.</p> <p>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.</p>	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		<p>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.</p> <p>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</p> <p>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.</p> <p>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.</p>	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	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	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>		
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>	Hab Management Training coming in Nov 2022?	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		