CRS Activity 510
Annual Progress Report on Implementation of Credited Plan

Which Plan is this for (use separate templates for each credited Plan):

Repetitive Loss Area Analysis

Name of Community: **Unincorporated Marin County**

Date this Annual Progress Report was prepared (not the date of adoption of the credited Plan):

July 7, 2022

Name of Plan: **Repetitive Loss Area Analysis Marin County, CA**

Date of Adoption of Plan: 2015

5 Year CRS Expiration Date: 2020

1. How can a copy of the credited Plan be obtained: online at https://www.marincounty.org/-/media/files/departments/pw/land-use/fema/final-rlaa-report_may_26_update_complete.pdf?la=en

2. Describe how ***this annual progress report*** (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

Annual reports are posted online here: https://publicworks.marincounty.org/fema-resources/

3. Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:

See attached

4. Discuss why any objectives were not reached or why implementation is behind schedule:

See attached

5. What are the recommendations for new projects or revised recommendations?

Recommendations for new projects are currently being developed as part of the 2022 multi-jurisdictional repetitive loss area analysis.

RLAA Project Status Update

7/7/2022

Project	Status
Prepare an annual outreach mailing that encourages property owners in the RL areas to	annual brochure mailed in October
Provide information to assist interested property owners in applying for a mitigation	FEMA funding approved grant for up to 16 homes in 2019 and 7 permits are under review. For many homeowners the cost exceeded expectations.
Provide information that encourages homeowners to frequently clear their ditches	annual brochure mailed in October
Coyote Creek Middle Reach Sediment Removal	Had been on hold due to anticipation of very limited benefit following the most recent bathymetric surveying and hydraulic modeling. However, the District is working with the County's Parks Department to evaluate a potential pilot project for thin-lift placement of sediment from Coyote Creek in Bothin Marsh. It would require a Measure AA grant to design, permit, construct, and monitor. Based on a 2017 hydraulic study of Coyote Creek by GHD (https://www.marinwatersheds.org/sites/default/files/2022-03/TM%20-%202017%20Coyote%20Creek%20and%20Nyhan%20Creek%20v2r.pdf), including what was stockpiled from the concrete channel sediment removal in 2018, the amount of sediment needed for this pilot project is approximately the same as what is currently available in Coyote and Nyan Creeks to increase freeboard in the Coyote Creek earthen channel and reduce flood risk at Marin Ave and Enterprise Concourse bridges in Nyhan Creek. The application would leverage a 2017 study by the District that can be found here: https://www.marinwatersheds.org/sites/default/files/2022-04/Bothin_Marsh_Feasibility.pdf
Corte Madera Creek Flood Risk Management Project	The Marin County Flood Control and Water Conservation District (District) proposed the Corte Madera Creek Flood Risk Management Project, Phase 1 to reduce the 25-year flood risk along Corte Madera Creek in the Town of Ross and unincorporated Kentfield and to enhance natural stream functions. The project is located in the Corte Madera Creek watershed within the Town of Ross and census-designated place of Kentfield in Marin County. The Project area is divided into three units, as identified from the original construction by the US Army Corps of Engineers, from upstream to downstream: Unit 4, Unit 3, and Unit 2. Corte Madera Creek within the project area is a concrete lined channel in Unit 3 and Unit 2 and currently has a natural bottom in Unit 4. The project area is approximately 1.4 miles long. The proposed project includes elements that would increase flow conveyance capacity, provide flood protection, and/or enhance habitat within Corte Madera Creek. District staff have been working with the Town of Ross, Friends of Corte Madera Creek, and other stakeholders to continue moving forward with the project design, permitting, and Environmental Impact Report (EIR). The EIR was certified by the District Board of Supervisors on August 17, 2021. The project construction will be bid as two contracts (Parts 1 and 2). Part 1-Granton Park: The project has funding from a CA Department of Water Resources Grant that had been set to expire on March 31, 2023, but was recently extended to allow for continued construction through 2023. The plan set for construction of the new stormwater pump station and the maintenance access ramp in the Granton Park neighborhood was advertised and awarded to a contractor in 2022. Plans and Specifications for this project are available to view free of charge on the County's new online bidding process through Bid Express. https://www.bidexpress.com/businesses/53528/home. The District received a low bid of $4,104,227.00. Part 2- In-channel improvements: Some of the in-channel improvements do cause a minor rise in water surface elevation within the existing concrete channel, and therefore need to be approved by FEMA and the Town of Ross and the County's respective floodplain administrators. The projects will follow a Conditional Letter of Map Revision process which is expected to take from 6 to 9 months and will therefore likely delay the construction of these project components to the 2023 construction season. These components include removal of the existing wooden fish ladder structure, and replacement of the transition structure between the upstream natural channel and the existing concrete channel plus any work to raise the height of the existing concrete channel walls downstream. Work downstream of the Lagunitas Road bridge which includes widening the channel along the right bank looking downstream and grading of the channel bed is also likely to be postponed until 2023.
	The CMC FRM EIR includes the removal of a portion of the concrete channel and restoration that the Friends of CMC have been managing, with funding from a State of CA Coastal Conservancy grant, at the downstream end of the concrete channel next to College of Marin. This project was approved to be included with the existing DWR grant for construction, but unfortunately the existing FEMA model had an error misrepresenting the existing concrete channel width. This error is being corrected but will need review and certification from FEMA to proceed to ensure no rise of 0.00'. This means the project will be delayed into the 2023 construction season. Information on the project can be found on Friends Madera Creek's website: https://friendsofcortemaderacreek.org/new_site/
Santa Venetia Timber Reinforced Berm Improvement Project	The District secured a Federal Emergency Management Agency (FEMA) grant in 2020 to upgrade the levee along Gallinas Creek. During final design of the levee upgrade in February 2022, the engineer's updated construction cost estimate came in at $12M, exceeding the project's available funding for project design and construction. The District was advised by the California Office of Emergency Services (Cal OES), the state agency administrating the FEMA Hazard Mitigation Grant Program (HMGP), that there were insufficient funds remaining in this round of FEMA disaster grant funding for additional construction funds. Therefore Cal OES advised the District to request a scope change to shift all grant funds previously set aside for construction to further design related tasks. In May the District submitted the scope of work and budget change request to the Federal Emergency Management Agency (FEMA) to reallocate $1,515,170 from the original $3,235,180 allocation that had previously been designated for construction. The new request to FEMA is to support additional design, environmental compliance, and public outreach activities. Cal OES, expects FEMA to respond to the District's scope of work and budget change request in mid-July 2022. To support project design, the District released a request for qualifications and proposals (RFQ/RFP) for engineering design services in April. While up to six firms indicated interest, only one proposal from CSW Stuber Stroeh (CSW-ST2) was received for approximately $617,549. CSW-ST2's team is comprised of experts in the fields of land surveying, geotechnical, and civil engineering, and has proven experience with the design and permitting of complex public works water resource projects. Both preliminary and final design products would be shared through the www.santavenetialevee.org site and community meetings. If FEMA approves the District's scope of work and budget change, up to 75% of the professional services cost will be recoverable through the HMGP. The remaining 25% will be paid from Flood Control Zone 7 funds. The District continues to track opportunities for project construction funding. The Santa Venetia levee project has a high benefit-to-cost ratio, meaning that the cost of creating the flood protection is low compared to the value of the properties that would be protected. The benefit-to-cost ratio is expected to make the project competitive in the next round of FEMA grant funding. Grant funding will become available each time a major federal disaster is declared in California, which has occurred multiple times per year since 2017 (unfortunately due to devastating fires, floods, and the pandemic).