

CRS Activity 510
Annual Progress Report on Implementation of Credited Plan
Floodplain Management Plan (Hazard Mitigation Plan)

Name of Community: Salisbury 250103

Date this Annual Progress Report was prepared (not the date of adoption of the credited Plan):
4/26/2022

Name of Plan: Merrimack Valley Region Multi-Hazard Mitigation Plan

Date of Adoption of Plan: April 2016

5 Year CRS Expiration Date: May, 2025

1. How can a copy of the credited Plan be obtained: a copy of the Multi-Hazard Mitigation Plan is available to the public on the Town of Salisbury's website at <https://www.salisburyma.gov/conservation-commission> as a persistent link.

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: This progress report was prepared by Adriane Marchand, Conservation Agent and CRS Coordinator, and Lisa Person, Director of Planning and Development. This report was submitted to the Salisbury Board of Selectmen, provided to Salisbury Community Television, and posted on the Town of Salisbury's website at <https://www.salisburyma.gov/conservation-commission>.

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:
Overall, the Town has been making good progress on developing and completing Mitigation Action Plan items. Some resilience projects have been delayed due to conflicts between regulations. We have experienced this in permitting the Resilient Rings Island Project, which proposes to raise access roads that cross salt marsh. We are continuing to revise the project to complete permitting. Next steps will be to apply for grants for the construction of the project. Funding and staff hours continue to be limiting factors for other projects.

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

The Town is working to complete the update to the Merrimack Valley Region Multi-Hazard Mitigation Plan. Salisbury will continue to partner with other municipalities for this regional plan. The Merrimack Valley Planning Commission (MVPC) recently assisted the Town of Lawrence with a grant application to FEMA's Building Resilient Infrastructure and Communities Grant (BRIC) on behalf of the region to fund the updates. The funding approval was announced in February. MVPC was just selected this last week of April through the procurement process to be the entity to perform the work. They are planning a June 1, 2022 start date for updating the plan.

The Town is also undergoing Master Plan revisions. The Barrett Group, the consultant developing the plan update, has been provided the Hazard Mitigation Plans and well as the Municipal Vulnerability Preparedness final report to include in the upcoming Master Plan update.

The Town will continue to focus on resiliency projects in response to climate change. Road accessibility during flooding and storm events will continue to be a high priority goal. In the next year several bylaws are planned to be revised or adopted to better accomplish the Town's goals. The Town is currently working with MVPC on regulatory review of our current bylaws to identify areas that can be improved.

Table 9-13. TOWN OF SALISBURY Mitigation Action Plan

Projects in Development

Category of Action	Description of Action	Hazards Addressed	Implementation Responsibility	Timeframe / Priority	Resources/ Funding	Project in 2008 Plan?	Project Status	2021 Annual Progress Update
Structural Project and Prevention	Develop long-term regional beach replenishment dredging program. Next steps: Establish North Shore region planning group; Prioritize action based on data generated through Coastal Resiliency Sandy Grant project of hydrodynamic sediment transfer modeling	Flooding	Town Manager, Board of Selectmen, DPW, Conservation Commission, MVPC	Short term/HIGH	Army Corps of Engineers, State DCR, U.S. Dept of Interior Sandy Coastal Resiliency Grant to MVPC (\$1.2 million award in Jan. 2015) and Town	Yes	Town is active participant in Merrimack River Beach Alliance, public forum for agenda-setting on beach erosion issues for Salisbury/Newbury/Newburyport. Prelim discussion held on expansion of MRBA model for intermunicipal coordination on regional dredging program. Next steps: Establish North Shore community partnership 2015-2016; Modeling work to be complete 2016	The Town continues to actively participate in the MRBA. Discussion has focused on dredging projects, specifically of the Merrimack and Piscataqua River and ongoing beach erosion issues in Salisbury, Newbury, and Newburyport. Discussed at the April 9th meeting, the North Shore Regional Sediment Management Study, dated January 2021, will be a valuable tool for planning a long term regional beach replenishment and dredging program. The Salisbury Beach Resiliency Task force formed in 2021 to contribute to this goal. The task force is comprised of local action groups, Salisbury Beach Citizens for Change, Salisbury Beach Betterment Association, local municipal staff, state senators and representatives, and state agencies to address beach management in Salisbury.
Structural Project and Prevention	Study and reconstruct State Route 1A (Beach Road) to permit emergency access and evacuation at Salisbury Beach	Flooding	Salisbury DPW, MADOT/Merrimack Valley MPO	Long Term/ HIGH	MADOT/Army Corps of Engineers/Merrimack Valley MPO High Cost magnitude	No	Town staff has reviewed project concept with Army Corps of Engineers. Next step is to seek funding for planning & design phase needed to make case for funding justification of implementation phase	Town of Salisbury has participated the Municipal Vulnerability Planning Grant. Raising Beach Road was listed as a high priority project in the final report. The Town has applied to MVP for an Action Grant but funding was not received. We have been working on resolving the issues discussed in followup and will be reapplying in the future.
Structural Project and Prevention	Construct floodwall to protect low-lying neighborhoods against tidal flooding from Blackwater River	Flooding	Town Manager, Board of Selectmen, DPW and Conservation Commission	Short Term/ HIGH	Army Corps of Engineers, State DCR and Town Project cost is \$6 million 75% from grant with local match split between Town and DCR state environmental bond bill	Yes	Project in procurement. Schedule work 2015-2016.	Project Complete. Certificate of Compliance site walk with DEP is scheduled for June 1, 2022.

Structural Project and Prevention	Install larger culverts at Ferry Road and March Road to facilitate tidal flow in adjacent marshes; encourage building floodwalls or elevating buildings to protect against coastal flooding along Route 1 South ; study elevating roadways to increase flood protection	Flooding	Salisbury DPW, Conservation Commission	Short term study; long term implementation/ MEDIUM	State Grants/FEMA Town match; Potential funding programs include Mass Works Infrastructure; FEMA Flood Hazard Mitigation or HMGP programs. Order of magnitude cost is \$300k	Yes	Need to identify and secure funding for next step of funding project planning study;	The Town received an FY 20 and FY 21 MVP Action Grant for the Resilient Rings Island Road Improvement Project which proposed to raise portions of Ferry, First, and March Road and replace 3 undersized and damaged culverts. The project had completed design and was submitted to MEPA for review. Due to impacts to the salt marsh the project is undergoing revision to include only First and March Road. Project next steps are to complete permitting before applying for construction funding.
Emergency Services Protection	Relocate 86-year old Police Station and reduce vulnerability and access limitation of critical facility currently at 24 Railroad Avenue in coastal zone. New facility is planned for construction at 175 Beach Road by Town water & booster station.	All Hazards	Town Manager/Police Chief/Planning Dept	Short Term/HIGH	Town/\$11.5 million local bond	No this is a new project	Town Meeting authorized financing in 2015. Project out to construction bid with construction start scheduled Fall 2015. To be complete in 2017.	Project Complete. Property at 24 Railroad is planned to be sold by RFP in the near future.
Structural Project and Prevention	Replace Smallbox Brook culvert under US Route 1 with larger culvert to reduce flood risk frequency. Next step: Undertake evaluation/assessment planning study	Flooding	Mass Highway	Long-Term/ MEDIUM	Mass DOT	Yes	Need to identify & secure funding. Estimated cost of planning phase approx. \$300k Washout failure at culvert occurred in Winter 2014/15; Mass DOT completed emergency repair 2015 (no capacity improvement done)	MA DOT has evaluated the structure as part of their repave and sidewalks project for Rt. 1. They do not propose increasing culvert capacity as part of the project. The Town will continue to evaluate the need for improvement and seek funding for the project.
Structural Project and Prevention	Improve drainage system on Central Avenue and Old Town Way Scope includes installation of pump station to reduce flood risk frequency/impact.	Flooding	Salisbury DPW	Long-term/ MEDIUM	Town/State grants including Mass Works, State Infrastructure Medium-High Cost magnitude	Yes	Design 100%... No work performed to date. Estimated costs need to be updated.	Mass DOT is in the design phase of a drainage improvement project on North End Blvd which will impact the drainage in the area. The Town will evaluate the need continue seek funding for the project after the above project is completed.
Structural Project and Prevention	Install new culvert and improve drainage system on Jaklen Drive to prevent future flooding	Flooding	Salisbury DPW, Conservation Commission	Long term/ MEDIUM	Town Estimated cost is \$40,000.	Yes	No action to date as No Funding available Work needed - Installation of 400 ft of drain pipe with 2 catch basins, removal of debris at the outfall at house #15, and paving of roadway	DPW has developed plans to improve the drainage on JakLen Drive. Pending Funding.
Structural Project and Prevention	Rebuild Merrimack River North Jetty	Flooding	MRBA/Conservation	Short Term/Medium	Army Corps of Engineers \$10 million	Yes	Construction Started Spring 2015. To be completed 2016	Project is Completed.

Prevention	Develop and implement DCR Fire Wise Program in heavily forested areas and neighborhoods	Brush Fire	Salisbury Fire Department	Long-term/ LOW	Town, with advice and assistance from DCR Low cost magnitude	Yes	No action due to No Funding available & other priorities. Next steps: Fire dept working with DCR in preliminary meetings to work on implementing Fire Wise program.	No Action.
Prevention	Adopt "Sleep Slope" regulation to prohibit or strictly regulate development on steep slopes in order to prevent stormwater runoff and erosion	All Hazards	Planning Board and Conservation Commission	Long-term/ LOW	Town Low cost magnitude	Yes	No action due to No Funding/staff timing available Next step is to prepare draft update for review.	The Town is in the process of adding a Land Clearing and Protection of Specimen Tree bylaw which address steep slopes. Additional bylaw revision and adoption planned for the coming year that can further address protective measures.
Prevention	Develop and adhere to routine inspection, cleaning, and maintenance schedule for drainage/stormwater facilities and stream channels Next step: Develop 3-5 year maintenance plan document Continue routine maintenance and cleaning of street drainage systems	All Hazards	Salisbury DPW, in consultation and cooperation with Conservation Comm.	Short Term/ MEDIUM	Town Low cost	Yes	Since 2008, improved collaboration and regular communication between Town Conservation office and DPW in strategy development & permitting coordination on specific neighborhood-focused infrastructure maintenance. Next step is formalizing 3-5 year town-wide plan. DPW undertakes street sweeping/catch basin cleaning 2x year.	The Town updated its MS4 permit in 2019 and provides annual compliance updates. A stormwater bylaw has been drafted for the Town.
Prevention	Acquire and protect undeveloped open space in flood hazard areas Next steps: Prioritize areas for acquisition/protection	Flooding	Conservation Commission/Planning/Ipswich River Watershed Association/MVPC	Planning phase thru 2016; Long term implementation/ Medium	Town, MVPC/Ipswich River Watershed Association/ National Wildlife Federation/Sandy Grant Funding Award ; High cost magnitude	Yes	Participating in Great Marsh Coastal Community Resiliency Planning Project with Sandy Grant funding; Planning project begun 2015; To be complete Dec. 2016 Town has received deed restrictions through Conservation Commission/MassDEP permitting process. Properties acquired include: Friedenfels open space parcels (59 acre and 12 acre) adjacent to Merrimack River donated to the Town in 2010.	The Town continues to support open space acquisition. Essex County Greenbelt is in process of purchasing a large tract of upland and salt marsh to be preserved as open space off of Forest Road in Salisbury. Parcels have also been donated to conservation off of Garafalo Drive, Gerrish Road, Catherine Way and Daniel Court as well as several parcels within the great marsh.

Prevention	Update Town's Phase II Storm Water Management Plan to incorporate new EPA requirements regarding outreach, illicit discharge detection/prevention, planning, Operation & Maintenance practices and run-off controls.	Flooding	Planning/Conservation/DPW/Merrimack Valley Stormwater Collaborative	Long term/ HIGH	Town/Merrimack Valley Stormwater Collaborative/MVPC; Medium-High cost magnitude	Yes	EPA issued draft MS4 permit in Fall 2014 after much delay. Anticipate final MS4 permit to be issued 2016 with expanded planning/housekeeping requirements for stormwater management. Salisbury in 2014 joined Merrimack Valley Stormwater Collaborative of 15 communities in regional approach to issue including shared procurements, joint training & education outreach. Next steps include preparing NOI for stormwater management program after EPA issuance of final MS4 permit.	The Town updated its MS4 permit in 2019 and provides annual compliance updates. The Planning Board has updated its Subdivision Control Regulations and Site Plan Review Regulations to comply with the MS4 Permit. The Town drafted a stormwater bylaw prior to the updated MS4 Permit and is now working with Merrimack Valley Planning Commission and other communities in the region to make sure we are thinking regionally prior to adoption. We anticipate adoption this year.
Structural Project and Prevention	Analyze existing flooding problem areas and design/implement appropriate corrective measures, such as re-directing floodwaters to uninhabited areas or wetlands	Flooding	Salisbury DPW and Planning Department	Long-term/ LOW	Town, Mass DOT Medium-High cost magnitude	Yes	No action due to lack of funding. Next steps: Secure funding appropriation, prepare RFP for comprehensive drainage engineering study.	No action due to lack of funding. Next steps: Secure funding appropriation, prepare RFP for comprehensive drainage engineering study.
Property Protection and Prevention	Develop an assistance program for raising homes in the floodplain to be in compliance with floodplain regulations	Flooding	Salisbury Building Dept, Conservation Commission and Planning Department	Long-term/ HIGH	Town-Local homeowner match/FEMA—Flood Hazard Mitigation; Pre- Disaster Mitigation/HMGP Medium-High cost magnitude	No. This is a new project priority.	Seeking available funding sources	The Town has collaborated with homeowners on several opportunities including FEMA's Hazard Mitigation Grants. No success to date. The Town will continue to seek out opportunities for homeowners.
Prevention	Maintain current list of Repetitive Loss properties; develop local program to implement appropriate mitigation measures including raising elevation of at-risk properties	Flooding	Salisbury Building Inspector and Planning Department	Short Term/ HIGH	DCR, FEMA and MEIMA Low cost magnitude	Yes	CRS program pending; Town intends to seek funding eligibility for property owner assistance in structure elevations.	CRS program is pending. Continues to send out mailings and provide information and support to Repetitive Loss properties. The Town has collaborated with homeowners on several opportunities including FEMA's Hazard Mitigation Grants. Although there is interest the properties owners have not moved forward at this time. The Town will continue to seek out opportunities for homeowners.
Prevention	Create interdepartmental GIS database and mapping of municipal facilities and resources to enhance emergency operations and incident management	All Hazards	Town Departments	Long-term/ HIGH	Town, MVPC, Ipswich River Watershed Association, Sandy Grant and possible grant assistance from state/federal sources Medium cost magnitude	Yes	Coastal Resilience planning project underway in 2015. To be completed in 2016 and will include expanded mapping component. Funding needs to be identified for municipal GIS.	The Town is working with MVPC to update its pictometry and mimap programs to add to the GIS information that we have and provide information to Fire, Police and Emergency management. The Town continues to grow its GIS database to make it more efficient.