ANDOVER

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| **MITIGATION ACTION OR STRATEGY****(\*\*Indicates Action is from Prior Plan)** | **TYPE1** | **HAZARD ADDRESSED** | **RESPONSIBLE****PARTY2** | **TIME FRAME** | **FUNDING SOURCE3** |
| **Ongoing General:** |
| Prioritize Culvert replacement based on VTculvert data, Road and Bridge standards, geomorphic assessments, damaged or known undersized. | M | Flood, Fluvial Erosion |  |  |  |
| Maintain updated culvert/bridge inventory. | M | Flood, Fluvial Erosion |  |  |  |
| Develop schedule to Replace and Upgrade known undersized culverts based on above and recent flood damage. | M | Flood, Fluvial Erosion |  |  |  |
| Update Local Emergency Management Plan annually | P | All |  |  |  |
| Maintain current ERAF status at a minimum | P | Flood, Fluvial Erosion |  |  |  |
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| **TEAM INPUT** |  |  |  |  |  |
| Review location needs and map ponds as emergency water source for potential dry hydrants. | P | Wildland and Structure Fire |  |  |  |
| Develop program/proposal to incentive landowner for potential dry hydrant locations | P | Wildland and Structure Fire |  |  |  |
| Replace Culvert #40 (B6) on East Hill Rd. in phases: Preliminary Engineering, design, implementation | M | Flood, Fluvial Erosion |  |  |  |
| Replace Culvert #3 (B24) on Middletown Road in phases: Preliminary Engineering, design, implementation | M | Flood, Fluvial Erosion |  |  |  |
| Assess Culvert #25 on Plumb Rd. which is below bankful width | M | Flood, Fluvial Erosion |  |  |  |
| C25 (Charlie) | M | Flood, Fluvial Erosion |  |  |  |
| B5 (Charlie) | M | Flood, Fluvial Erosion |  |  |  |
| Love Joy Brook Rd. ? | M | Flood, Fluvial Erosion |  |  |  |
| Old Boynton Hill Rd. ?? | M | Flood, Fluvial Erosion |  |  |  |
| Develop an inventory of residential ponds and beaver ponds and prioritize for flood risk and assess potential strategies such as beaver baffles to mitigate risk.  | M | Flood, Fluvial Erosion |  |  |  |
| Put in place a process for residents of higher elevations to report to the Highway Department on road conditions during high wind and winter events  |  | Ice, High Wind, Heavy Snow |  |  |  |
| Request a group training on floodplain management and flood regulation administration (did the RPC do this? Need Town level? Can RPC provide?) | M | Flood, Fluvial Erosion |  |  |  |
| Determine practicality of pond permitting or pond construction guidance to minimize flood risk due to large pond breach  | M | Flood, Fluvial Erosion |  |  |  |
| Commission a review and update of site-specific projects as identified in the Williams River SGA & River Corridor Plan of 2016 | M | Flood, Fluvial Erosion |  |  |  |
| Fitzgerald Associates to identify current floodplain areas identified in the RCP and work with VRC or VLT and landowners to develop a plan for conservation easement. (WPD ID#4736) | M | Flood, Fluvial Erosion |  |  |  |
| **TECHNICAL REVIEW** |  |  |  |  |  |
| Commission a Preliminary Assessment of active bank erosion and failing armor threatening a house and quarry access Road on Route 11 and design options to prevent future erosion including new placed rock armor and slope modification to establish stable grade (T5.S3.01, T5.S3.03) (WPD ID#4708)Proj AB-1a-c of RCP ?? | M | Flood, Fluvial Erosion |  |  |  |
| Commission an assessment of failing rip-rap and unstable slopes along the Middle Branch (5 sites) and options for stabilizing eroding bank with new bank stabilizing features to protect infrastructure and residential properties (WPD ID#4705) | M | Flood, Fluvial Erosion, Slope Failure |  |  |  |
| Provide resident of 995 Simonsville Rd. with garage foundation exposed and undercut, with FEMA buyout option (buy out of portion??) (WPD ID#11562)  | M | Flood, Fluvial Erosion, Slope Failure |  |  |  |
| Work with GMP to determine relocation of utility pole on Pettengil Rd. which is threatened by an active mass failure. (WPD ID#4709) | M | Flood, Fluvial Erosion |  |  |  |
| **TOWN PLAN** |  |  |  |  |  |
| Review and amend zoning regulations and setbacks to protect rivers and streams | M | Flood, Fluvial Erosion |  |  |  |
| Evaluate existing regulations and standards to ensure goals and policies of the Flood Resiliency Chapter in Town Plan are adequately addressed | M | Flood, Fluvial Erosion |  |  |  |
| Prioritize land conservation efforts for those lands that serve important flood retention or attenuation functions | M | Flood, Fluvial Erosion |  |  |  |
| **MARC RECOMMENDATIONS** |  |  |  |  |  |
| Put in place a schedule to Identify and remove high hazard trees to reduce power outages\* | M | High Wind, Ice, Heavy Snow |  |  |  |
| Update Flood Damage Prevention Regulations from 2007 ?? | M | Flood, Fluvial Erosion |  |  |  |
| Incorporate hazard mitigation into subdivision regulations, driveway access permitting. | M | Flood, Fluvial Erosion |  |  |  |
| Consider River Corridor Bylaws to restrict further development in river corridors and increase ERAF reimbursement rate. | M | Flood, Fluvial Erosion |  |  |  |
| Identify Properties within the Special Flood Hazard Areas or setbacks, River Corridor and Fluvial Erosion Hazard Areas.  | M | Flood, Fluvial Erosion |  |  |  |
| Develop and conduct a public outreach process to provide information to current residents and potential new buyers on flood hazard and fluvial erosion risk and NFIP to raise awareness | M | Flood, Fluvial Erosion |  |  |  |
| Determine and Formalize Process for Implementing Mitigation Actions\* | M | Flood, Fluvial Erosion |  |  |  |
| Work with MARC to Identify and map fluvial erosion hazard areas for use by Planning Commission and consideration for future regulation. | M | Flood, Fluvial Erosion |  |  |  |
| Determine whether a Stormwater Master Plan would be an effective planning tool to reduce flood risk | M | Flood, Fluvial Erosion |  |  |  |
| Annually seek funding and plan for implementation for MRGP compliance on high slope, High Priority hydrologically connected road segments as identified in the MRGP road assessment inventory and experience during July 2023 flood event | M | Flood, Fluvial Erosion |  |  |  |
| Correlate Road Erosion Inventory Assessments with Transportation Resiliency Planning Tool to identify and help prioritize culvert and bridge replacement and stormwater management planning projects  | M | Flood, Fluvial Erosion |  |  |  |
| Develop a GIS town map with SFHA, FEH, and an ‘erodible’ soils and slope overlay for use by the Planning Commission and town permitting authorities. | M | Flood, Fluvial Erosion |  |  |  |
| Work with MARC to develop a document repository that includes a streamline Emergency Response process and procedures (FEMA, State) as well as pertinent resources to inform town and residents. | M | Flood, Fluvial Erosion |  |  |  |
| Evaluate to flood impact potential of upstream beaver dams.  | M | Flood, Fluvial Erosion |  |  |  |
| Work with the State to determine and remove river debris at high risk for blocking underpass during flood events. | M | Flood, Fluvial Erosion |  |  |  |
| Proactively reach out to GMP with identified trees that are susceptible to causing downed power lines.  | M | High Wind, Ice, Heavy Snow |  |  |  |
| Develop process to incorporate, if applicable, Hazard Mitigation Actions into each section of the Town Plan goals, policies, and recommendations during the next plan update. | M | All |  |  |  |
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