

CRS Activity 510

Progress Report on Implementation of Credited Plan Date this Report was Prepared:

October, 2023

Name of Community: Township of Woodbridge, Community Number: 345331

Name of Plan: Middlesex County Pre-Disaster All Hazard Mitigation Plan - Appendix 25: Township of Woodbridge

Name of Plan (progress report / update to goals and targets): Progress Report (attached); Township of Woodbridge Floodplain Management Plan Progress Report, October 2023 (A Progress Report of the Middlesex County Pre-Disaster All Hazard Mitigation Plan - Appendix 25).

Date of (most recent) Adoption of Plan: Updated Middlesex County Pre-Disaster All Hazard Mitigation Plan adopted by Township of Woodbridge Municipal Council on May 17, 2022.

5 Year CRS Expiration Date: 2023

1. How can a copy of the original plan or area analysis report be obtained: A copy of the Plan is on file in the Office of the Municipal Clerk, and maintained in the Division of Engineering with the Township's Floodplain Administrator. A copy can be obtained by contacting the Municipal Clerk's office and /or the Division of Engineering.
2. Describe how this evaluation report was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

Prepared and Submitted Progress Report (attached); was evaluated by the Township's Division of Engineering, the Township's planning committee personnel, as per section §2.1 "HMPSC Responsibilities" of the Plan, in order to ensure administrative accurateness and necessary project development. Furthermore, said Progress Report was shared with the Town Council to best ensure that the governing body was abreast of the flood mitigation and climate adaptation tools and actions taking place within the community.

Media: As of November 3, 2023 local Channel TV 35 aired the notice the updated Township's Floodplain Management Plan Progress Report as an appendix of the updated County Pre-Disaster All-Hazard Mitigation Plan) in order to engage the public and make the

community better aware of localized flood risk and how to access the progress report. In addition, the Floodplain Management Plan Progress Report notification will air through March 2024 on local TV 35 and available for viewing via the township's Floodplain Management website: <https://www.twp.woodbridge.nj.us/635/Floodplain-Management>; or via YouTube media platform at: <https://www.youtube.com/user/WoodbridgeTv/playlists> & <https://www.twp.woodbridge.nj.us/244/Woodbridge-Television>

Publicly Accessible: The HMP Appendix 25 Floodplain Management Plan Progress Report, is on file in the Division of Engineering and available for public accessibility. A copy of said update is also on file on the Township's Floodplain Management website: <https://www.twp.woodbridge.nj.us/635/Floodplain-Management>, and a link to the complete Plan can be found in the same location and on Middlesex County's Office of Emergency Management and Preparedness website: <https://www.middlesexcountynj.gov/government/departments/department-of-public-safety-and-health/office-of-emergency-management-and-preparedness/hazard-mitigation-plan/-folder-227>

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:

Please see the attached plan titled: "HMP Appendix 25 Floodplain Management Plan Progress Report" (attached); which denotes said information.

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

Please see the attached plan titled: "HMP Appendix 25 Floodplain Management Plan Progress Report" (attached); which denotes said information.

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

Please see the attached plan titled: "HMP Appendix 25 Floodplain Management Plan Progress Report" (attached); which denotes said information

Township of Woodbridge Floodplain Management Plan

Annual Progress Report of Mitigation Actions

2023

**Initial Plan Middlesex County Pre-Disaster All Hazard Mitigation Plan
Appendix 25 Township of Woodbridge**

Jurisdiction: Township of Woodbridge

Contact Name/Title: Thomas C. Flynn, MPA, CFM,

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Agency/Department: Division of Engineering

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Purpose: A mission for wise floodplain management and administrative excellence to help reduce flood risk, enhance floodplain restoration, and promote efficient record-keeping. This progress report seeks to ensure project outcome success, and intensify the Township's commitment to serve and support the community both within and near flood risk areas.

Previous Mitigation Actions – Completed and/or Ongoing – updated October 2023

LM A #	HMP round	Mitigation action	Anticipated benefits to hazard mitigation	Applies to existing or new structures	Existing implementation mechanism	Responsible Party	Target Date	Estimated cost (\$)	Funding Source	Priority H/M/L	Status/Review 2023
1	2010	Reconstruction of Rt. 35 culvert over the Heards Brook between North and South Park Drive (non-maintenance related costs only)	Flood	Existing	Floodplanning Mgmt Program, Eng.	State of NJ	2 years	\$20 million	FMA, BRIC & HMGP if available	High	In design.
2	2010	Reconstruction of Cove Creek culvert on Saints Boulevard (non-maintenance related costs only)	Flood	Existing	Floodplanning Mgmt Program, Eng.	Twp OEM	1 Year	\$10 million	FMA, BRIC & HMGP if available	Low	Suspended. There have been several buy-outs in this area since 2010. This project is now a low priority for the Township. It has not been completed to date because of lack of resources due to other efforts.
3	2010	Stream bank stabilization/conveyance of the South Branch of the Rahway River from Merrill Park to New Dover Road.	Flood	Existing	Floodplanning Mgmt Program, Eng.	Twp OEM, & County	1 Year	\$8 million	FMA, BRIC & HMGP if available	High	Permits have been secured. Sediment removal ongoing.
4	2010	Cleaning of the River from Merrill Park to the culvert at Home Depot	HazMat, Flood	Existing	Capital Improvement Plan	Twp OEM	3 years	\$4-5 million	NJDEP USDA	High	Ongoing. Permits have been secured and cleaning completed.

5	2010	Stream Bank stabilization and stream cleaning of the Pumpkin Patch Brook from Inwood Way to the Municipal Boundary.	Flood	Existing	Capital Improvement Plan	Twp OEM	1 year	\$5 million	FMA, BRIC & HMGP if available	High	Ongoing. Permits have been filed for stream cleaning. Stream cleaning complete.
6	2010	Dredging of Smith's Creek from the Municipal Marina to the outlet at the Arthur Kill.	Flood	Existing	Capital Improvement Plan	Twp OEM	1 year	\$15 million	NJDEP, USACE, USDA	High	Under design.
7	2010	Dredging of the Woodbridge Creek from the intersection with the railroad to the Trailer Court	Flood	Existing	Capital Improvement Plan	Twp OEM	1 year	\$5 million	NJDEP, USACE, USDA	High	Complete.
8	2010	Construction of berm and tide gate along the Woodbridge Creek at Woodbridge Avenue to prevent flooding in the Crampton Avenue area.	Flood	Existing	Capital Improvement Plan	Twp OEM	1 year	\$10 million	NJDEP, USACE, USDA	Low	Suspended. No longer a high priority due to success associated with removing at-risk homes and infrastructure through NJ DEP Blue Acres Program.
9	2010	Reconstruction of Port Reading Avenue and the Woodbridge Creek culvert to eliminate flooding (non-maintenance related costs only).	Flood	Existing	Capital Improvement Plan	Twp OEM	2 years	\$7 million	NJDEP, USACE, USDA	High	Ongoing. This is a County Road. The project has not been completed due to lack of funding.

10	2010	Continued restoration of remaining sections of the Woodbridge Creek tidal wetlands area from Port Reading Avenue to the outfall at the Arthur Kill.	Flood	Existing	Capital Improvement Plan	Twp OEM	2 years	\$10 million	NJDEP, USACE, USDA	Med.	This is an ongoing effort performed through regular maintenance and desnagging program.
11	2010	Evaluation/analysis of Green Street Detention Basin Dam located southwest of the Intersection of US Route 1 and Green Street.	Flood	Existing	Capital Improvement Plan	Twp Engineering	1 Year	\$75,000	FMA, BRIC & HMGP if available	Low	Suspended based on internal Engineering review deeming the basin in satisfactory condition.
12	2010	Improved conveyance/dredging (Going into Raritan Bay), waterway bank repairs, of Rahway River.	Flood	Existing	Floodplanning in Mgmt Program, Eng.	Woodbridge Twp	2 Years	\$4 million	NJDEP, USACE, USDA	Low	Suspended. In process of evaluating permitting requirements.
13	2010	Improved retention and engineering study to assess risk of dams.	Flood	Existing	Floodplanning in Mgmt Program, Eng.	Woodbridge Twp	3 Years	\$75,000 Note #1	FMA, BRIC & HMGP if available	Low	Suspended based on internal Engineering review deeming satisfactory condition of existing dam.
14	2010	Envelope hardening, securing external infrastructure, securing roof ballast and public outreach and education programs of Senior Citizen Complex.	Wind (severe weather)	Existing	Capital Improvement Plan	Woodbridge Twp OEM	1 Year	\$1 million	FMA, BRIC & HMGP if available	High	Ongoing. Funding has been secured.

15	Past	Increase Class in the CRS program	Flood	Existing	Floodpla in Mgmt Program, Eng.	Wood bridge Twp	2 Years	\$50,000	Capital	High	Ongoing. As of October 1, 2020 the Township of Woodbridge became a Class 5 CRS Community. A watershed masterplan is being developed, and Class 4 status is being pursued.
16	Past	Generator for the Community Center	Flood	Existing	OEM, Program	OEM	N/A	N/A	Grants/Capital	N/A	Completed.
17	Past	Various post-Sandy planning activities (Strategic Recovery Planning Report; neighborhood plans in RL areas)	Flood	Existing	Floodpla in Mgmt Program, Eng.	Wood bridge Twp	1-3 years	\$75,000	Grants	High	This is an ongoing effort performed through the Township's CRS program efforts.
18	2015	Acquisition or elevation of repetitive loss properties	Flood	Existing	Floodpla in Mgmt Program, Eng.	OEM	1-5 years	\$30 million	Grants	High	This is an ongoing effort performed through the Township's CRS program efforts. See focus areas in 2021 Actions #28, #29.
19	2015	Continue to work on resiliency planning efforts including Post-Sandy Planning Activities and Sustainable Jersey Resiliency Planning Efforts.	Flood	Existing	Floodpla in Mgmt Program, Eng.	Admin istration	1-3 years	200,000	Grants	High	This is an ongoing effort performed through the Township's CRS program efforts.
20	2015	Ensure energy duplicity at all critical facilities and critical utilities	Flood	New	Capital Improvement Plan	OEM	1-3 years	\$10 million	Grants/Capital	High	Ongoing. Exploring microgrid options for energy resiliency and redundancy.

Current Mitigation Actions - Completed and/or Ongoing – updated October 2023

LM A #	HMP round	Mitigation action	Anticipated benefits to hazard mitigation	Applies to existing or new structures	Existing implementation mechanism	Responsible Party	Target Date	Estimated cost (\$)	Funding Source	Priority H/M/L	Status/Review 2023
21	2024	Re-engineering Port Reading Avenue and the Woodbridge Creek culvert to eliminate flooding (update of past proposed action #9)	Improved reliability for a major roadway	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp & County	1-5 Years	\$1 million	HGMP	High	Middlesex County is evaluating feasibility.
22	2024	Develop better relationship with Verizon	Improve response time to repair communication services in emergencies	Existing	OEM, Program	OEM	1-2 Years	\$50,000	Grants/Capital	High	Coordination efforts are in response to immediate need to address service in at risk areas
23	2024	Continue to explore funding options for dredging of Woodbridge Creek	reduce flooding	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp	1-3 Years	\$1 million	Grants	Med.	Permits secured for specific extents & and dredging took place in most problematic areas in 2023.
24	2024	Work with County to raise Port Reading Avenue up to Trinity Lane	Prevent road closures due to flooding	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp OEM & Eng.	3-5 Years	\$25 million	Fed & State Grants: FMA, BRIC & HMGP if available	High	Middlesex County is evaluating feasibility.
25	2024	Work with County to raise West Avenue near tanks	Reduce traffic hazards associated with road flooding	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp OEM & Eng.	3-5 Years	\$5 million	Fed & State Grants: FMA, BRIC & HMGP if available	Med.	Suspended. Watershed Master Planning is in first Draft form as of Fall 2023. Said Planning efforts are being developed to assess multiple design storm events in order to ascertain more frequent inundation and long term climate change impacts.

26	2024	Address erosion at Chain O'Hill Road (directly linked to Actions #3 & 4)	Prevent loss of road from flooding/erosion impacts	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp	1-2 Years	\$5 million	Grants and Capital	High	Project is suspended due to funding.
27	2024	Continue with rainfall runoff models and sea level rise models to bolster support for referenced mitigation actions	Reduce flooding and ensure access to emergency services	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp	1-2 Years	\$100,000	Grants and Capital	Med.	Watershed master planning is in first Draft form as of Fall 2023. Said Planning efforts are being developed to assess multiple design storm events in order to ascertain more frequent inundation and long term climate change impacts
28	2024	Mitigation of high-risk infrastructure located within Ideal Mobile Home Community, (directly linked to 2010 Action #7)	Flood risk	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp	1-5 Years	\$10 million	Fed & State Grants: FMA, BRIC & HMGP if available	High	Non-structural flood mitigation programs are being evaluated to examine the complex ownership / flood risk. This is a commercial lot with one owner and mobile units within lot are owned separately as standalone private residences.
29	2024	Acquisition or mitigation of high-risk properties located in Fluvial floodplains such as Jordan Road, Amherst Avenue, North Hill Road, and Brookside Court.	Flood risk	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp	1-5 Years	\$100 million	Fed & State Grants: FMA, BRIC & HMGP if available	High	Flood mitigation programs are being examined in relation to Tropical Storm Ida and previous impacts from Hurricane Irene (as well as other named and un-named events).
30	2024	Flood-proof Woodbridge Sanitary Pump station	Flood Risk & Public Health	Existing	Floodplanning Mgmt Program, Eng.	Woodbridge Twp OEM & Eng.	1-3 Years	\$5.5 million	Fed & State Grants: FMA, BRIC & HMGP if available	High	Flood mitigation studies occurred as a result of Climate Vulnerability Assessments and Super Storm Sandy. Examinations for structural and non-structural floodproofing measures are on hold due to funding.

