

CRS Activity 510

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

September 29, 2022

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, May 2022 (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, and the Township's Office of Emergency Management in conjunction with County Officials and planning staff from Rutgers University in order to ensure administrative accurateness and necessary project development. Furthermore, said Progress Report was shared with the Township 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 September, 2022 local Channel TV 35 aired the presentation and adoption of the updated Township's Floodplain

Management Plan (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 Video will air through 2022 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/watch?v=2k6eXnQ6VhQ>

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 on Middlesex County's Office of Emergency Management and Preparedness website: <https://www.middlesexcountynj.gov/government/departments/departments-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

2022

**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,

Environmental Specialist; Floodplain Administrator / CRS Coordinator

Agency/Department: Division of Engineering

Contact email: thomas.flynn@twp.woodbridge.nj.us

Contact phone: 732.602.6057

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

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 HML	Status Review
1	2010	Reconstruction of Rt. 35 culvert over the Heards Brook between North and South Park Drive (non-maintenance related costs only)	Flood	Existing	Floodpla in Mgmt Program, Eng.	State of NJ	2 years	\$20 million	FMA, BRIC □ HMGP if available	High	Ongoing. Scheduled for 2022
2	2010	Reconstruction of Cove Creek culvert on Saints Boulevard (non-maintenance related costs only)	Flood	Existing	Floodpla in 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	Floodpla in Mgmt Program, Eng.	Twp OEM, □ County	1 Year	\$8 million	FMA, BRIC □ HMGP if available	High	Ongoing. The next two projects are also part of the same effort, which has not completed due to lack of funding, but is a very high priority. Permitting phases are being established.
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. The next two projects are also part of the same effort, which has not completed due to lack of funding, but is a very high priority. Permits have been secured and mobilization has

											begun.
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. The next two projects are also part of the same effort, which has not completed due to lack of funding, but is a very high priority. Permits have been filed for stream cleaning.
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	In process of acquiring permits
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	In progress
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 <input type="checkbox"/> HMGP if available	High	Ongoing. This project has not been completed due to lack of funding.
12	2010	Improved conveyance/dredging (Going into Raritan Bay), waterway bank repairs, of Rahway River.	Flood	Existing	Floodpl in Mgmt Program, Eng.	Wood bridge Twp	2 Years	\$4 million	NJDEP, USACE, USDA	Low	In process of evaluating permitting requirements.
13	2010	Improved retention and engineering study to assess risk of dams.	Flood	Existing	Floodpl in Mgmt Progra, Eng.	Wood bridge Twp	3 Years	\$75,000N ote #1	FMA, BRIC <input type="checkbox"/> HMGP if available	High	Ongoing. This project has not been completed due to lack of funding.
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	Wood bridge Twp OEM	1 Year	\$1 million	FMA, BRIC <input type="checkbox"/> 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 Improve ment Plan	OEM	1-3 years	\$10 million	Grants/Capital	High	Ongoing. Exploring microgrid options for energy resiliency and redundancy.

Current Mitigation Actions

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 HML	Status/Review
21	2021	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	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp □ County	1-5 Years	\$1 million	HGMP	High	Water surface level monitoring is being examined to better develop inundation frequency and severity
22	2021	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	2021	Continue to explore funding options for dredging of Woodbridge Creek	reduce flooding	Existing	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp	1-3 Years	\$1 million	Grants	Med.	Permits secured for specific extents
24	2021	Work with County to raise Port Reading Avenue up to Trinity Lane	Prevent road closures due to flooding	Existing	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp OEM □ Eng.	3-5 Years	\$25 million	Fed □ State Grants: FMA, BRIC □ HMGP if available	High	Water surface level monitoring is being examined to better develop inundation frequency and severity
25	2021	Work with County to raise West Avenue near tanks	Reduce traffic hazards associated with road flooding	Existing	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp OEM □ Eng.	3-5 Years	\$5 million	Fed □ State Grants: FMA, BRIC □ HMGP if available	Med.	Watershed master planning is being developed to be assess 25 year storm impacts to assess based in more frequent inundation and long term climate change impacts

26	2021	Address erosion at Chain O'Hill Road (directly linked to Actions #3 □ 4)	Prevent loss of road from flooding/erosion impacts	Existing	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp	1-2 Years	\$5 million	Grants and Capital	High	Project in permit review
27	2021	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	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp	1-2 Years	\$100,000	Grants and Capital	Med.	Watershed master planning is being developed within fluvial floodplains to be assess 25 year storm impacts to assess based in more frequent inundation and long term climate change impacts
28	2021	Mitigation of high-risk infrastructure located within Ideal Mobile Home Community, (directly linked to 2010 Action #7)	Flood risk	Existing	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp	1-5 Years	\$10 million	Fed □ State Grants: FMA, BRIC □ HMGP if available	High	Outreach is being undertaken to address complex ownership (commercial lot with one owner and mobile units within lot owned separately as standalone private residences
29	2021	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	Floodpl in Mgmt Program, Eng.	Woodbr idge Twp	1-5 Years	\$100 million	Fed □ State Grants: FMA, BRIC □ HMGP if available	High	Flood Mitigation and outreach meetings are occurring in relation to Tropical Storm Ida and previous impacts from Hurricane Irene (as well as other un-named systems)
30	2021	Flood-proof Woodbridge Sanitary Pump station	Flood Risk □ Public Health	Existing	Floodpl in Mgmt Program, Eng.	Woodbr idge 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.

**RESOLUTION APPROVING AND ACCEPTING THE COUNTY OF MIDDLESEX,
OFFICE OF EMERGENCY MANAGEMENT AND PREPAREDNESS PRE-DISASTER
MITIGATION PLAN**

WHEREAS, the County of Middlesex contracted with Rutgers Group to develop an updated Pre-Disaster All Hazard Mitigation Plan (the "Plan") required by the Middlesex County Department of Public Safety and Health, Office of Emergency Management and Preparedness; and

WHEREAS, the purpose of the Pre-Disaster Mitigation Plan is to identify risks and vulnerabilities within the community and develop a rational actionable strategy to reduce potential future losses due to the effects of natural hazards on a place and its population, such as flood and wind; and

WHEREAS, this Plan update includes a re-evaluation of the original hazards, the risk assessment, mitigation goals, strategies and mitigation priorities; and

WHEREAS, the County of Middlesex is in receipt of the updated Pre-Disaster All Hazard Mitigation Plan prepared by Rutgers Group and the Middlesex County Department of Public Safety and Health, Office of Emergency Management and Preparedness has reviewed the Plan and finds the Plan to be acceptable; and

WHEREAS, the Pre-Disaster All Hazard Mitigation Plan was forwarded to each municipality within the County of Middlesex for review, approval and acceptance; and

WHEREAS, the Township of Woodbridge, Division of Emergency Management is in receipt of the updated Pre-Disaster All Hazard Mitigation Plan prepared by Rutgers Group from the County of Middlesex has reviewed the Plan and finds the Plan to be acceptable;

NOW, THEREFORE, BE IT RESOLVED BY THE MUNICIPAL COUNCIL OF THE TOWNSHIP OF WOODBRIDGE that the updated Pre-Disaster All Hazard Mitigation Plan prepared by Rutgers Group is hereby approved and accepted;

BE IT FURTHER RESOLVED that a certified copy of this Resolution be forwarded to the Middlesex County Department of Public Safety and Health, Office of Emergency Management and Preparedness.

ADOPTED: MAY 17 2022

I hereby certify that the above is a true and exact copy of the Resolution adopted by the Municipal Council of the Township of Woodbridge at their Regular Meeting held on
MAY 17 2022



JOHN M. MITCH, RMC, CMC, CMR
MUNICIPAL CLERK