

Township of Woodbridge Floodplain Management Plan

Annual Progress Report

2021

Initial Plan: Middlesex County Hazard Mitigation - Appendix 24: Township of Woodbridge

Jurisdiction: Township of Woodbridge

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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.

Mitigation Actions and Action Updates Begin on Page two (2).

Mitigation Actions and Action Updates

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
2010	Woodbridge 1: Reconstruction of Rt. 35 culvert over the Herds Brook between North and South Park Drive (non-maintenance related costs only)	Flood	Existing	Floodplain Management Program, Eng.	= State of NJ	2 years	\$20 million	FMA, BRIC & HMGP if available	High	Scheduled for 2022
2010	Woodbridge 2: Reconstruction of Cove Creek culvert on Saints Boulevard (non- maintenance related costs only)	Flood	Existing	Floodplain Management Program, Eng.	Twp OEM	1 Year	\$10 million	FMA, BRIC & HMGP if available	High	There have been several buy-outs in this area. 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.
2010	Woodbridge 3: Stream bank stabilization/ conveyance of the South Branch of the Rahway River from Merrill Park to New Dover Road.	Flood	Existing	Floodplain Management Program, Eng.	Twp OEM, & County	1 Year	\$8 million	FMA, BRIC & HMGP if available	High	The next two projects are also part of the same effort, which has not completed due to lack of

										<p>funding, but is a very high priority. Permitting phases are being established</p>
2010	<p>Woodbridge 4: Cleaning of the River from Merrill Park to the culvert at Home Depot</p>	HazMat, Flood	Existing	Capital Improvement Plan	Twp OEM	3 years	\$4-5 million	NJDEP USDA	High	<p>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.</p>
2010	<p>Woodbridge 5: Stream Bank stabilization and stream cleaning of the Pumpkin Patch Brook from Inwood Way to the Municipal Boundary.</p>	Flood	Existing	Capital Improvement Plan	Twp OEM	1 year	\$5 million	FMA, BRIC & HMGP if available	High	<p>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.</p>

2010	Woodbridge 6: 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, Army Corps of Engineers, USDA	Low	In process of acquiring permits
2010	Woodbridge 7: 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, Army Corps of Engineers, USDA	High	In progress
2010	Woodbridge 8: 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, Army Corps of Engineers, USDA	Low	No longer a high priority due to success associated with removing at-risk homes and infrastructure through NJ DEP Blue Acres Program.
2010	Woodbridge 9: 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, Army Corps of Engineers, USDA	High	This is a County Road, The project has not completed due to lack of funding.

2010	Woodbridge 10: 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, Army Corps of Engineers, USDA	Med.	This is an ongoing effort performed through regular maintenance and desnagging program.
2010	Woodbridge 11: 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	High	This project has not been completed due to lack of funding.
2010	Woodbridge 12: Improved conveyance/dredging (Going into Raritan Bay), waterway bank repairs, of Rahway River.	Flood	Existing	Floodplain Management Program, Eng.	Woodbridge Twp	2 Years	\$4 million	NJDEP, Army Corps of Engineers, USDA	Low	In process of evaluating permitting requirements .
2010	Woodbridge 13: Improved retention and engineering study to assess risk of dams.	Flood	Existing	Floodplain Management Progra, Eng.	Woodbridge Twp	3 Years	\$75,000 Note #1	FMA, BRIC & HMGP if available	High	This project has not been completed due to lack of funding.
2010	Woodbridge 14: Envelope hardening, securing external infrastructure, securing roof ballast and public outreach and education programs of Senior Citizen Complex.	Wind	Existing	Capital Improvement Plan	Woodbridge Twp OEM	1 Year	\$1 million	FMA, BRIC & HMGP if available	High	Funding has been secured.

Past	Increase Class in the CRS program	Flood	Existing	Floodplain Management Program, Eng.	Woodbridge Twp	2 Years	\$50,000	Capital	High	As of October 1, 2020 the Township of Woodbridge became a Class 5 CRS Community. A watershed masterplan is being developed, and pursuit of Class 4,
Past	Generator for the Community Center	Flood	Existing	OEM, Program	OEM	N/A	N/A	Grants/ Capital	N/A	Completed
Past	Various post-Sandy planning activities (Strategic Recovery Planning Report; neighborhood plans in RL areas)	Flood	Existing	Floodplain Management Program, Eng.	Woodbridge Twp	1-3 years	\$75,000	Grants	High	This is an ongoing effort performed through the Township's CRS program efforts.
2015	Acquisition or elevation of repetitive loss properties	Flood	Existing	Floodplain Management Program, Eng.	OEM	1-5 years	\$30 million	Grants	High	This is an ongoing effort performed through the Township's CRS program efforts.
2015	Continue to work on resiliency planning efforts including Post- Sandy Planning Activities and Sustainable Jersey	Flood	Existing	Floodplain Management Program, Eng.	Administration	1-3 years	200,000	Grants	High	This is an ongoing effort performed through the Township's

	Resiliency Planning Efforts.										CRS program efforts.
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		
2020	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	Floodplain Management Program, Eng.	Woodbridge Twp & County	1-5 Years	\$1 million	HGMP	High		
2020	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		
2020	Continue to explore funding options for dredging of Woodbridge Creek	reduce flooding	Existing	Floodplain Management Program, Eng.	Woodbridge Twp	1-3 Years	\$1 million	Grants	Med.	Permits secured for specific extents	
2020	Work with County to raise Port Reading Avenue up to Trinity Lane	Prevent road closures due to flooding	Existing	Floodplain Management Program, Eng.	Woodbridge Twp OEM & Eng.	3-5 Years	\$25 million	Federal & State Grants - FMA, BRIC & HMGP if available	High		
2020	Work with County to raise West Avenue near tanks	Reduce traffic hazards associated with road flooding	Existing	Floodplain Management Program, Eng.	Woodbridge Twp OEM & Eng.	3-5 Years	\$5 million	Federal & State Grants - FMA, BRIC & HMGP if available	Med.		

2020	Address erosion at Chain O'Hill Road (directly linked to Project 3 & 4)	Prevent loss of road from flooding/erosion impacts	Existing	Floodplain Management Program, Eng.	Woodbridge Twp	1-2 Years	\$5 million	Grants and Capital	High	Project in permit review
2020	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	Floodplain Management Program, Eng.	Woodbridge Twp	1-2 Years	\$100,000	Grants and Capital	Medium	
2020	Mitigation of high-risk infrastructure located within Ideal Mobile Home Community Directly linked to project 7	Flood risk	Existing	Floodplain Management Program, Eng.	Woodbridge Twp	1-5 Years	\$10 million	Federal & State Grants - FMA, BRIC & HMGP if available	High	
2020	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	Floodplain Management Program, Eng.	Woodbridge Twp	1-5 Years	\$100 million	Federal & State Grants - FMA, BRIC & HMGP if available	High	