

Binghamton University

The Open Repository @ Binghamton (The ORB)

Student-Created Sustainability Resources

Sustainability Hub

2021

Development and conservation of flood plains

Jesse Sippel

Binghamton University--SUNY, jsippel1@binghamton.edu

Follow this and additional works at: <https://orb.binghamton.edu/student-sustainability-resources>

Recommended Citation

Sippel, Jesse, "Development and conservation of flood plains" (2021). *Student-Created Sustainability Resources*. 13.

<https://orb.binghamton.edu/student-sustainability-resources/13>

This Poster is brought to you for free and open access by the Sustainability Hub at The Open Repository @ Binghamton (The ORB). It has been accepted for inclusion in Student-Created Sustainability Resources by an authorized administrator of The Open Repository @ Binghamton (The ORB). For more information, please contact ORB@binghamton.edu.

Development and Conservation of Flood Plains in Broome County

Jesse Sippel
Binghamton University

Source Project: People Politics and the Environment
ENVI: 205 Research in People and Place

Introduction

Flood damage is a core issue for residents across Broome County, costing taxpayers thousands of dollars in repairs and prevention. The conservation and protection of floodplains allow for the increased absorption capacity of wetlands, thus lowering the extent of flooding damages.

This research attempts to highlight opportunities for increased cooperation between urban and rural areas of Broome County, in the combined effort of preventing flood damage.

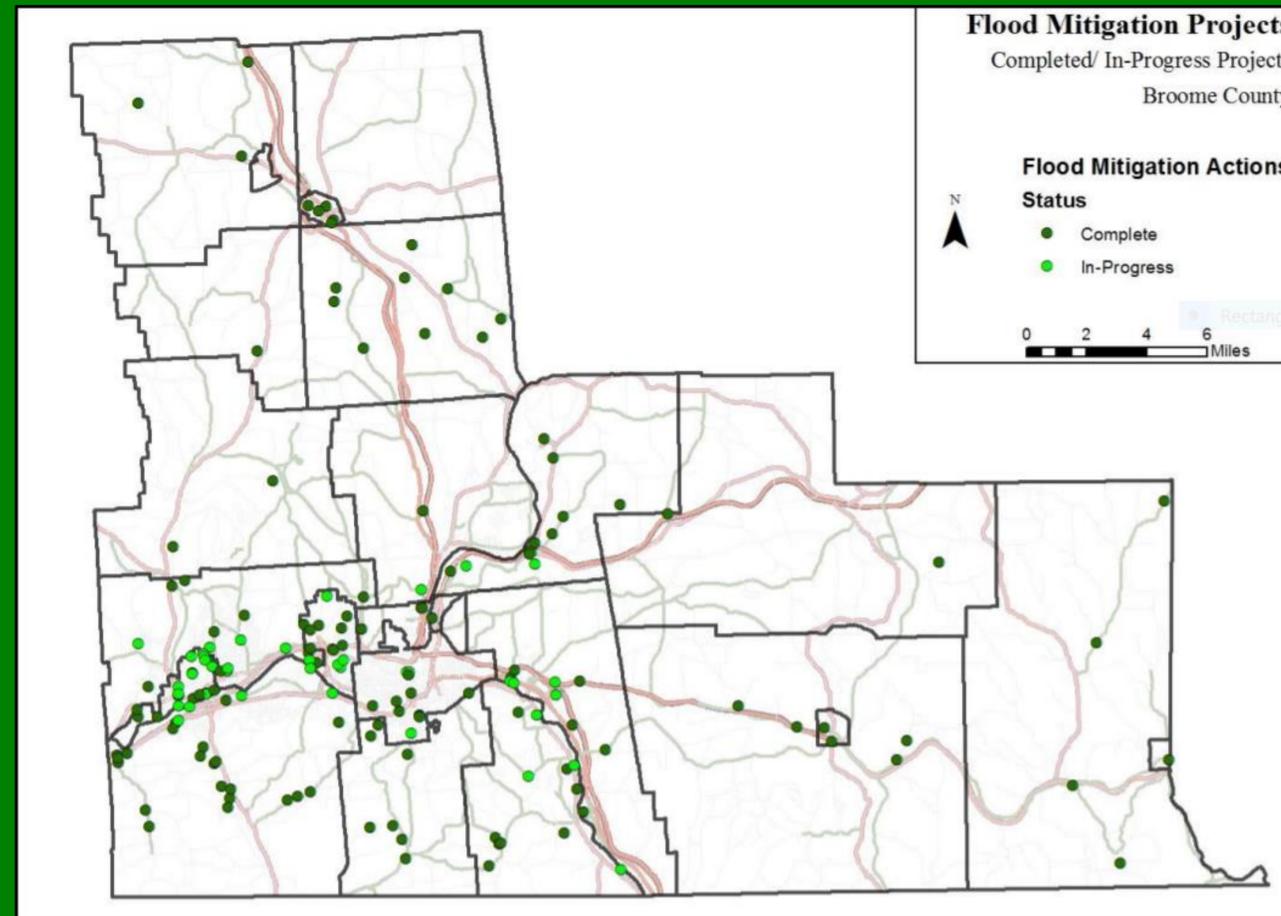
Urban and Rural Cooperation

The benefits of Rural and Urban cooperation have been thoroughly researched. These range from limiting the scope of unnecessary constructions, to saving taxpayer money. Overall cooperation tends to allow for more efficient solutions to be used. This research attempts to discover such solutions.

Methodology

In order to locate current flooding issues in Broome County, this study uses local news and County flooding data from previous decades to locate persisting flooding problems.

The opportunities for Urban and Rural cooperation are discovered through local issues, presented by State legislators and County websites.



Findings

The situation within Broome County has been addressed through a combination of measures by the local government, including construction of new levees to increased environmental protections.

Extra solutions to the continued flood problem in Broome County include expanding the scope of flood protection projects to flood plains further from the source. Implementing more restrictions and expanding non development sites in currently undeveloped places will reduce the risk of extreme flooding.

Possible infrastructural assistance in the construction of Broadband from the city in return for protection of rural flood plains is another efficient solution.

Acknowledgments

Thank you to Professor Valerie Imbruce for offering much needed guidance and consultation for research methods. Further thanks to County Legislator Stephen Flagg for his insight into County development needs.

References

Artmann et al. (2012). *Partnership for sustainable rural-urban development: existing evidences*
https://ec.europa.eu/regional_policy/sources/what/cohesion/urban_rural/doc/rurban_study_long.doc

Building Resiliency | Broome County. (2016).
<https://www.gbroomecounty.com/sites/default/files/dept/planning/pdfs/Progress%20Report%20FINAL.pdf>

Susquehanna River Watershed - NYS Dept. of Environmental Conservation. (n.d.).
www.dec.ny.gov. Retrieved March 8, 2021, from <https://www.dec.ny.gov/lands/48020.html>

Wolcott, B. (2020). *Binghamton flooding: Weather service warns of repeat of March 1979 flood*. Press & Sun-Bulletin. Retrieved March 8, 2021, from <https://www.pressconnects.com/story/news/2020/12/25/binghamton-flooding-weather-service-warning-susquehanna-chenango-river-rise/4045411001/>