



Nassau County Building Department
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CRS Activity 510
Annual Progress Report on Implementation of Credited
Local Mitigation Strategy

Which Plan is this for: **Floodplain Management Plan (Hazard Mitigation Plan)**

Name of Community: **Nassau County**

Date this Annual Progress Report was prepared: **April 27, 2023**

Name of Plan: **Local Mitigation Strategy 2021-2025**

Date of Adoption of Plan: **The 2021-2025 LMS was adopted by Resolution of the Nassau County Board of County Commissioners at their December 13, 2021 regular meeting.**

5 Year CRS Expiration Date: **2025**

1. How can a copy of the credited Plan be obtained: The hazard mitigation and disaster preparedness planning process is cyclical and the LMS is a living document. It is continuously reviewed by stakeholders, discussed at quarterly meetings, and updated on an annual basis. *It is not, however, cleared for public distribution due to its discussion of infrastructure security and physical vulnerabilities, which could assist those with criminal intentions.* Nassau County Emergency Management regularly publishes preparedness and mitigation articles in local print and electronic media in order to engage the citizenry and encourage LMS participation.
2. Describe how **this annual progress report** (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public: Individuals representing a broad range of disciplines have contributed their subject matter expertise to the Nassau County LMS Task Force since its 1998 inception. County and municipal government officials, non- governmental agency, and private stakeholders participate on the Task Force. Experienced LMS planners from neighboring coastal counties (i.e. Duval County Emergency Management's Senior Planner and St. Johns County Emergency Management's LMS Planner) provide subject matter advice and contribute best-practice ideas throughout the mitigation planning cycle. Additional Task Force members are recruited through local professional and civic networks and by word of mouth; the LMS Task Force is open to all residents interested in disaster preparedness and hazard mitigation. Regular meetings are open to the public, and public announcements of date and time are made prior to each

meeting. Task Force members meet at the Emergency Operations Center quarterly to discuss and update ongoing mitigation strategies. Preparedness/mitigation educational articles are regularly published in Nassau County's official online public newsletter, *The County Insider*. A copy of the report will be made available to the public on the Nassau County website and its availability will be publicized on social media and *The County Insider* webpage. The report will also appear in several local newspapers, *The Newsleader* and the *Yulee News* in the weekly "County Corner" sections after the report is made available to the Board of County Commissioners. The report is scheduled for submission to the Board of County Commissioners at their May 8, 2023 board meeting.

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:

Project #LMS065. Retrofit school-based evacuation sites with storm shutters for envelope hardening: Pending school district's acceptance and contract.

Project #LMS065. Thomas Creek Flood Management Project: Nassau County and the Army Corps conducted a Planning Assistance to States (PAS) Study to review the hydrology and riverine flooding in the Thomas Creek area. The Thomas Creek watershed has been a drainage concern since development started in the area. Previous efforts to mitigate the flooding with structural components, drainage system maintenance, and snag and clearing has been ineffective.

During the October 2020 Board of County Commission (BOCC) Meeting Engineering Staff was given a directive to update the stormwater codes to include ways to mitigate future drainage concerns.

The code changes are as follows:

- Implemented required grading permit for site plan applications
- Implemented required maintenance plan
- Factor in Sea Level Rise expectations
- Consider construction sites from a watershed perspective taking into account downstream structures
- Mandate all roadways to be one foot above the water table
- Include low impact design strategies
- Volume Sensitive Areas Established

The implementation plan has been approved:

- \$1 million from BOCC to match grant funding will result in up to \$4 million dollars available for land acquisition. Average land acquisition with demo and reclamation is \$400K-\$550K.
- Approximately, 8 properties will be acquired per grant cycle.
- There will be 15 fully funded grant cycles to acquire the most vulnerable properties.

Project #LMS068. Clements Road: During the construction of the Woodbridge Subdivision, 95329 Clements Road developed flooding issues. Staff hired Peters & Yaffee to conduct a flood study of the entire basin. The study confirmed that roadway overtopping is occurring along Clements Road primarily at the existing residence at 95329 Clements Road as observed by Nassau County staff and residents.

\$381,061 were used to implement the recommended drainage solutions:

- Increasing the size of the cross drain under Clements Road to allow better conveyance of the runoff from the North Wetland to the South.
- Construction of a conveyance to bypass the existing pond and south wetland system.
- Maintenance access by County provided by perpetual easement. County will only maintain when HOA fails to properly address. Normal maintenance will be responsibility of Woodbridge HOA.
- Additional fill placed on Clements and connection to the pond within the Clements Road right-of-way also a part of project.

A Public-Private Partnership agreement was formed with the contractor to complete this project. The project is complete. No grant funds were needed.

Project #LMS069. Bonneview Bridge: This project was moved from Capital Improvement Plan (CIP) FY 23/24. It is a candidate project for CIP FY 24/25. A Hazard Mitigation Grant Program (HGMP) was applied for in 2021. The project did not qualify because the Cost Benefit Ratio was not equal to or greater than 1.0.

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

See above. Project did not qualify for the HGMP grant. Other funds are not currently available.

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

For new projects in various areas of the county, the following general objectives will be met in the future:

- Replace/enlarge many aging drainage pipes and culverts
- Acquire drainage easements for county water flow
- Define BFE in rural areas to mitigate flood hazards
- Pipe existing open ditch easements
- Clear and remove debris from wetlands to improve water flow



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