



**Gateway to Nature & Space**

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## **Floodplain Management Plan Progress Report**

April 15, 2025

This is the "Floodplain Management Plan Progress Report" for the City of Titusville, FL. It was prepared by Kwabena "KB" Ofori, CFM, Community Development Engineer and Steven Adams, CFM, Building Official after consulting with the City of Titusville Public Works Department, and the Economic Development Dept.

The City of Titusville uses our portion of the Brevard Prepares "Local Mitigation Strategy" (LMS) combined with the Capital Improvements Plan (CIP), the City Flood Management Ordinances, the Public Works Standard Operations Procedure for proper storm water maintenance, and the Community Rating System (CRS) activities for our "Comprehensive Floodplain Management Plan". This combination is used to provide the optimum flood protection for the citizens of the City of Titusville.

The City adopted the Resolution No. 2-2021, the 2020 Brevard County Local Hazard Mitigation Strategy (LMS) which is a Multi-Jurisdictional Five-Year Plan, on January 12, 2021. The City's participation in the LMS was approved by FEMA on May 18, 2021. The LMS with City's participation was approved by Florida Division of Emergency Management on June 9, 2021.

In August 2021, with the assistance of the Florida Division of Emergency Management, the City adopted Flood Management Ordinance: 19-2021, This ordinance updated the floodplain management standards for Applicability, Basis For Establishing Flood Hazard Areas, Definitions, and Manufactured Homes, to be consistent with the latest Federal Emergency Management Agency (FEMA) requirements.

In January 2023, the code of ordinances was amended to redefine a stormwater legal positive outfall, to amend the retention and discharge requirements for development sites in the area of critical concern, and to harmonize low impact development standards across the land development regulations and the stormwater technical manual.

For credit under the CRS for flood insurance, this report must be distributed to the media and be made available to the public. The Community Information Coordinator will do a press release and provide copies to the media. The report will be posted on the City website under Flood Protection Info; copies are also available at the Community Development Department, 555 South Washington Avenue, Titusville, FL.

## 1.) Background

The Bylaws of *Brevard Prepares - Mitigation 20/20 for Local Mitigation Strategy Development Brevard County Florida* contains several Articles pertinent to the City of Titusville. This City of Titusville Floodplain Management Plan Progress Report was prepared by City staff and is not a product of the *Brevard Prepares* Membership or Steering Committee.

**Purpose:** The LMS plan reviews a variety of measures that can decrease the vulnerability of the citizens to the future economic and environmental costs of natural disasters. It develops, monitors, and maintains a local strategy for hazard mitigation and post disaster redevelopment.

**Membership:** The membership and participation of local governments in *Brevard Prepares* is controlled by contractual agreement between the Florida Department of Community Affairs, Brevard County, and the participating municipalities.

## 2.) Public Works "Standard Operations Procedure"

Procedures for proper storm water maintenance have been established. The objective is to protect the City's storm sewer system, the Indian River Lagoon and the St Johns River from the unwanted and unnecessary pollutants and to provide for an unobstructed storm and flood infrastructure. Inspection of the infrastructure is conducted on a continuous basis. Ditches are mowed approximately once every 8-12 weeks. City staff inspects the ditches while they are mowing and reports to their supervisor any debris buildup or dredging needs.

Storm drain inlets are cleaned by hand prior to an anticipated large storm event, after a large storm event, and when requests are made by the citizens.

The Public Works Department has a vacuum truck that is used daily to clean out city owned inlets, pipes, and baffle boxes. City owned baffle boxes are cleaned on at least a monthly basis. It is the responsibility of the Public Works personnel to follow these procedures and recommend improvements or changes.

## 3.) Review of the Flood Management Ordinance and Building code amendments that reflect changes of the new January 29, 2021 Flood Insurance Rate Maps

This Flood Management ordinance was amended to update the floodplain management standards regarding Applicability, Basis For Establishing Flood Hazard Areas, Definitions, and Manufactured Homes, to be consistent with the latest (FEMA) requirements. The Flood Insurance Study for Brevard County, Florida, and Incorporated Areas, dated January 29, 2021, and all subsequent amendments and revisions, and the accompanying Flood Insurance Rate Maps (FIRM), and all subsequent amendments and revisions to such maps, are adopted by reference as a part of this ordinance and shall serve as the minimum basis for establishing flood hazard areas.

The major additions to the FIRM maps include:

1. These six (6) new Flood Insurance Rate Map (FIRM) panels have a new effective date of January 29, 2021 and the Suffix letter "H", while the remaining two (2) panels for Titusville are still dated March 17, 2014 and have a Suffix letter G. The new FIRM Panel Index date for Brevard County is January 29, 2021.

#### **4.) CRS Outreach Projects and the Florida Floodplain Managers Association**

We continue our outreach efforts each year that cover several areas of flood information. On April 24, 2023 the City Floodplain Coordinators participated in the Titusville Resiliency Stewardship open house, under the auspices of the East Central Florida Regional Planning Council. This public event enabled staff to interact in person with a breadth of stakeholders such as citizens, realtors, developers, business owners, homeowners' associations and elected officials, and discuss floodplain management and the community rating system as they relate specifically to the City of Titusville.

The City Floodplain Coordinator is a Certified Floodplain Manager (CFM) and is also the Community Rating System (CRS) coordinator. The CFM continues memberships in the Florida Floodplain Managers Association (FFMA) and the Association of State Floodplain Managers (ASFPM).

### **PROJECTS IN TITUSVILLE**

#### **Grants and Awards**

In the last 5 years the City has received \$5,375,156.00 in grant funding from the County's Save Our Lagoon (SOIRL) Fund, the St Johns River Water Management District (SJRWMD), the American Rescue Plan Act (ARPA) and the State Legislature (FDEP) towards construction of multiple water quality and stormwater infrastructure projects.

Stormwater Grant Funding in the last 5 years

	Year Complete	SOIRL - County	SJRWMD	FDEP	ARPA
THS Basin Baffle Box	2021	\$ 111,813.00	\$ 150,000.00		
Osprey Pond MAPS	2020	\$ 37,500.00			
Marina Park MAPS	2021	\$ 6,670.00			
Draa Field Pond MAPS	2021	\$ 31,281.00			
Draa Field Vegetation Harvesting	2021	\$ 86,413.00			
Main St 2 Baffle Box	2023				\$400,000.00
Shangri La Underdrains	2023				\$408,345.00
Sand Point Park Baffle Box	2024	\$137,135.00		\$282,865.00	
Commons/City Hall Tree Boxes	In Progress	\$25,040.00		\$185,000.00	
Riverfront Center NRF Boxes	2024	\$212,527.00			\$650,812.00
St Johns 2 Baffle Box	2023	\$243,070.00			\$190,000.00
La Cita Underdrains	2023				\$259,580.00
Brevard St Tree Boxes	In Progress			\$224,000.00	
Grace St Tree Boxes	In Progress			\$179,000.00	
Hollow Glen Baffle Box	2025			\$568,105.00	
Hamilton Ave Baffle Box	2025	\$350,000		\$360,000.00	
St Johns Basin Feasibility Study	In Progress			\$500,000.00	
Totals:					
Total Grant funds in the last 5 years =		\$5,375,156.00			

## **RECOMMENDATIONS**

- 1.) The City of Titusville will continue the job of implementing the LMS recommendations and ongoing projects and objectives.
- 2.) The City will enforce our Flood Management Ordinance and continue to work with the State Floodplain Management Office to ensure we are following the new Florida Building Code, FEMA and the NFIP.
- 3.) The City will continue to inform citizens on their status of the newly revised Flood Insurance Rate Map.
- 4.) The City will continue to update the Flood Information on the City website including a new FIRM map and this current Progress Report.
- 5.) The City will continue to participate in intergovernmental meetings held by the regulatory agencies.
- 6.) The City will continue to work with the state and local agencies on additional grant funded projects.
- 6.) The City will continue to work with Brevard County and other municipalities for water quality issues impacting the Indian River Lagoon.
- 7.) The City will continue to participate in the Association of State Floodplain Management (ASFPM), Florida Floodplain Managers Association (FFMA), and all of our Community Rating System (CRS) activities. The City personal will continue to maintain their certifications and attend the Florida Stormwater Association meetings.

April 15, 2025



**Community Development**  
Development Services