



# CITY OF ORMOND BEACH

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**To: Mayor Partington and City Commissioners**

**Thru: Steve Spraker, Planning Director**

**From: Becky Weedo, Senior Planner, CRS Coordinator**

**Subject: Floodplain Management 2021 Annual Progress Report**

**Date: April 20, 2021**

## **Background**

Staff has prepared this report for submittal for continued certification under the FEMA National Flood Insurance Program (NFIP) Community Rating System (CRS) program. The NFIP provides federally supported flood insurance in communities that regulate development in floodplains. The City of Ormond Beach voluntarily participates in the NFIP Community Rating System (CRS) program which qualifies property owners in floodplains for reduced rates on flood insurance. Under the CRS, flood insurance premiums are discounted to reward community actions that: 1) Reduce flood damage to insurable property through planning and outreach; 2) strengthen and support the insurance aspects of the NFIP; and 3) encourage a comprehensive approach to floodplain management. FEMA recognizes Ormond Beach as a Class 6 CRS community which means that new and renewed flood policies in the Special Flood Hazard Area qualify for a 20% discount. New and renewed flood policies outside the Special Flood Hazard Area qualify for a 10% discount.

## **Floodplain Management Plan**

On October 2, 2018, the City adopted the 2018 Volusia County Integrated Floodplain Management Plan. The plan is designed to encompass a snapshot of floodplain hazards throughout the county and also provide individual jurisdictional plans. The Volusia County Integrated Floodplain Management Plan follows the format and outline of the CRS requirements and is integrated with the Volusia County Multi-Jurisdictional Local Mitigation Strategy (LMS) recently updated in 2020.

The City has been a participant in the Volusia County Local Mitigation Strategy (LMS) initiative since 1998. The LMS was created and adopted to more effectively plan disaster related responses and provide mitigation initiatives designed to reduce hazards and/or to protect people and property when hazards do occur. The Volusia County Multi-Jurisdictional LMS recently was updated and found in compliance with the federal hazard mitigation planning standards. On May 12, 2020, by Resolution 2020-45, the City Commission formally adopted the five-year update of the Volusia County LMS which includes the Volusia County Integrated Floodplain Management Plan and the County's Flood Response Plan.

To continue participation in the NFIP and fulfill the CRS criteria, an annual progress report on the status of the project implementation is required. There are eight countywide goals adopted in the Integrated Floodplain Management Plan and nine separate objectives established by the

City to minimize the effects of flood events in the City of Ormond Beach, with the status of each goal and objective's implementation provided.

**Availability**

Copies of the 2018 Volusia updated Integrated Floodplain Management Plan, the 2020 Volusia County Multi-Jurisdictional Hazard Mitigation Plan and this report can be obtained from the City of Ormond Beach Planning Department or on the City of Ormond Beach Floodplain Management website <http://www.ormondbeach.org/index.aspx?nid=243>. In addition, this report was provided to the City of Ormond Beach Commission on April 20, 2021 and as a public document is posted to the City of Ormond Beach website and copied to local media and the State of Florida NFIP Coordinating Official.

**Status of Plan Implementation**

The 2020 Volusia County Multi-Jurisdictional LMS was updated and found in compliance with the federal hazard mitigation planning standards. The City Commission formally adopted the five-year update of the Volusia County LMS which included the Floodplain Management Plan (FMP) pertaining to the City and the County's Flood Response Plan. There are eight countywide goals adopted in the Integrated Floodplain Management Plan and nine separate objectives established by the City to minimize the effects of flood events in the City of Ormond Beach, with the status of each goal and objective's implementation provided:

| <b>Status of Integrated Floodplain Management Goals and Objectives</b>   |   |
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| <b>Goal</b>  | <b>Status</b>   |
| <p><b>Countywide Goal 1:</b> Prevent new development in the floodplain from increasing runoff and resulting in increases in flood volumes in the floodplain;<br/> <b>City Objective 1:</b> Protect human life and health;<br/> <b>City Objective 2:</b> Minimize or eliminate property damage; and<br/> <b>City Objective 3:</b> Minimize the need for future expenditure of public money for costly flood control response to and recovery from flood events.</p>   | <p>Achieved through Ormond Beach Floodplain Management Ordinance, City Code of Ordinances, building permitting process, and the provisions of the Land Development Code which require water quality treatment volume, runoff attenuation, and compensating storage volume for fill planned to be placed inside the Special Flood Hazard Area. <b>(On-going)</b></p>   |
| <p><b>Countywide Goal 2:</b> Develop and maintain a proactive public awareness and outreach that informs and notifies property owners that they are located in a flood zone and provide assistance and information regarding flood zones, protection of property, local drainage and sewer back-up problems;<br/> <b>Countywide Goal 3:</b> Provide advice and assistance to property owners concerning the protection of their properties from flooding, local drainage and sewer back-up problems.<br/> <b>City Objective 7:</b> Ensure that potential buyers are notified that property is in an area of special flood hazard; and<br/> <b>City Objective 8:</b> Require the use of appropriate construction practices in order to prevent or minimize future flood damage.</p> | <p>Accomplished through the City's mapping information provided on the website <a href="http://www.ormondbeach.org/index.aspx?nid=243">http://www.ormondbeach.org/index.aspx?nid=243</a>, flood protection reference materials available in the Planning Department or City Island Library and distribution of flood information <b>(On-going)</b>.</p> <p>Additionally, the City updated the Program for Public Information (PPI) with 10 other Volusia County CRS communities. The PPI plan is a countywide public outreach program to promote awareness of flood issues. On January 5, 2021, the City Commission adopted the Volusia Multi-Jurisdictional Program for Public Information Plan. The adopted plan is a 5-year update to the outreach projects and measurable outcomes through a detailed analysis. <b>(On-going)</b></p> |
| <p><b>Countywide Goal 4:</b> Continue with the Hazard Mitigation Grant Program to identify and obtain</p>  | <p>The City was awarded FEMA funding to elevate the residence in the Thompson Creek flood area.</p>   |

| <b>Status of Integrated Floodplain Management Goals and Objectives</b>  |   |
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| <p>funding for both pre-and-post disaster residential mitigation projects regarding flooding;</p> <p><b>Countywide Goal 5:</b> Prioritize capital projects that will mitigate flood impacts in those areas of the County that have experienced significant flooding problems;</p> <p><b>Countywide Goal 6:</b> Utilize “Volusia Prepares” Local Mitigation Strategy to guide and assist the County in establishing priorities for flood hazard mitigation projects;</p> <p><b>Countywide Goal 7:</b> Review the locations and effects on areas that experience flooding and determine what steps, if any, the County and municipalities can take to alleviate future impacts; and</p> | <p><b>(Completed 2011)</b></p> <p>Also, the City was awarded multiple FEMA grants for a combination of mitigation projects for the Laurel Creek drainage basin area to interconnect Central Park lakes 1-5 to Laurel Creek, reconstruct Hand Avenue, install a new drainage system to reduce flooding frequency, implement a system to drawdown more rapidly during extreme events using a pump station with an associated treatment pond and force main to the Halifax River. Also, Continuous Monitoring and Adaptive Control (CMAC) Technology was installed to control the lake levels. <b>(Completed January 2014)</b></p> <p>The City’s Engineering Department commissioned the services of Geosyntec Consultants to update the Stormwater Master Plan in 2020. Plan is expected to be completed in 2021 and will identify and prioritize additional initiatives to alleviate flooding. <b>(On-going)</b></p> |
| <p><b>Countywide Goal 8:</b> Develop Floodplain Management Plans for participating CRS municipalities in Volusia County (and others as desired).</p>  | <p>The City adopted the 2018 Volusia County Integrated Floodplain Management Plan five-year update on October 2, 2018. <b>(Completed)</b></p>   |
| <p><b>City Objective 4:</b> Minimize unnecessary disruption of commerce, access and public service during times of flooding.</p>  | <p>The City adopted the 2020 Volusia County Multi-Jurisdictional LMS which now includes the Volusia County Flood Warning Program. This program is designed to assist residential and business owners to know when a potential flood threat is imminent and be able to take the necessary precautions to protect their property. Also, City staff participates in countywide multi-agency emergency preparedness and post disaster recovery training to minimize unnecessary disruption. <b>(On-going)</b></p>   |
| <p><b>City Objective 5:</b> Minimize damage to public and private facilities and utilities located in areas of special flood hazard.</p>  | <p>The Public Works Department continues to perform proactive and reactive drainage maintenance cleaning, street sweepings and drainage system rehabilitation such as storm pipe linings within the City throughout the year. Additional drainage maintenance activities have and will be performed prior to any natural disaster (hurricane/tropical storm). Public Works keeps a detailed log identifying areas within the City that are inspected and cleaned. This ensures that every City owned or maintained drain, ditch, and canal functions as efficient as possible. <b>(On-going)</b></p>  |
| <p><b>City Objective 6:</b> Help maintain a stable tax base by</p>  | <p>Achieved through Ormond Beach Floodplain</p>   |

**Status of Integrated Floodplain Management Goals and Objectives**

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| <p>providing for the sound use and development of flood hazard areas;<br/><b>City Objective 9:</b> Manage the alteration of flood hazard areas, watercourses, and shorelines to minimize the impact of development on the natural and beneficial functions of the floodplain.</p> | <p>Management Ordinance, City Code of Ordinances, building permitting process, drainage system maintenance and stormwater management plans. <b>(On-going)</b>.</p> |
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