



Flood Mitigation Project List Status Annual Report



Floodplain Mitigation Plan

Town of Cutler Bay, FL



May 2015
Adopted via Resolution #15-27



- Funded by the Flood Mitigation Assistance Grant in the amount of \$49,400.
- Town “In-Kind” Contribution-Staff Time
- Public Meetings held:
 - 10-24-2013
 - 12-11-2013
 - 1-16-2014
 - 2-20-2014
 - 4-22-2014
 - 7-17-2014
 - 9-25-2014
 - 3-31-2015
 - 6-25-2015
- Adopted via Town Resolution #15-27, May 20, 2015

Project List

- Project #1- Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements.
- Project #2- Cleanout storm drains on a biennial basis.
- Project #3- Improve drainage along the C-100 canal through a dredging project.
- Project #4- Saga Bay 1.7 Drainage Improvement Project to improve drainage along a flood prone Town streets or neighborhoods.
- Project #5- Implement program to identify all catch basins located on private streets in gated communities.
- Project #6- Continue implementation of drainage system maintenance on all surface water channels, canals and ditches.
- Project #7- Improve drainage along a flood prone Town streets or neighborhoods.
- Project #8- Promote an Enviro-Scape model to elementary school students.
- Project #9- Work with local, state and federal partners to target repetitive loss properties for acquisition or elevation.
- Project #10- Promote retrofitting techniques for flood-proofing of residential structures.
- Project #11- Develop local Ordinance to require landscapers to register with the Town.
- Project #12- Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS.
- Project #13- Promote the purchase of flood insurance to residents and businesses.
- Project #14- Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD.
- Project #15- Increase awareness of the flood hazard through development of a program for public information.
- Project #16- Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations.
- Project #17- Work with Miami-Dade County Emergency Management and state and federal governments to protect vulnerable critical facilities.
- Project #18- Develop a Watershed Master Plan aide making decisions that will reduce the increased flooding from development on a watershed-wide basin

Project #1

Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements

- ***Project Description:*** Inventory all canals (whether owned by the Town or other agency or community) to determine where erosion is causing banks to erode and collapse so that the capital improvement strategy can be put in place for maintenance.
- ***Project Benefits:*** reduces potential losses to buildings which could be damaged from canals not operating properly.
- ***Status:*** Project was in the 2018 State Legislative Item Submittal report under project #2018-01 - Canal Bank Erosion Protection Project. **The Towns continues their commitment by resubmitting in the 2020 State Legislative Funding Requests**

Project #1

Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

FY2016 COOPERATIVE FUNDING PROGRAM STORMWATER PROJECT APPLICATION PART 1

Please note that applicants must use this form and applications are limited to three pages plus one additional page for a project location map. The South Florida Water Management District must receive all Applications by November 21, 2014 at 3:00 p.m. Applications can be uploaded starting on November 3, 2014 at <http://www.sfwmd.gov/coopfunding> or submitted via regular mail or hand delivery to Karen Hargray at SFWMD, 3301 Gun Club Road, West Palm Beach, FL 33406.

Project Name: Canal Bank Erosion Protection	
Applicant: Town of Cutler Bay	
Applicant Representative: Alfredo Quintero, Public Works Director	
City/Zip: Cutler Bay, 33189	
E-mail: aquintero@cutlerbay-fl.gov	
Address: 10720 Caribbean Blvd. #105	
Telephone: 305-234-4262	
Total FY2016 Project Cost: \$ 350,000	
FY2016 Funding Request: \$ 175,000	
Total Project Cost, if multi-year project: \$ N/A	
Local Match: \$ 175,000	
County: Miami-Dade	
Stormwater, Flood Control and Ecosystem Restoration Project Type:	
<input checked="" type="checkbox"/> Stormwater <input type="checkbox"/> Flood Control <input checked="" type="checkbox"/> Ecosystem Restoration	
Will this project reduce pollutant loadings to a District designated priority surface water body?	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
If yes, indicate the water body: Tier 1: Biscayne Bay including the Cutler Wetlands	
Is this a multi-year project: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Are there any other agencies contributing funding to this project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If yes, please list agency and funding amount: The Town is providing match funding, and is actively searching for additional grant opportunities to fund this project.	
Is the Applicant a REDI Community? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

PROJECT SUMMARY

Provide information that describes the project and tasks that will be completed in FY2016 with requested funds, including how this project advances the District's Strategic Plan, and if applicable, the Big Cypress Basin's Strategic Plan. Please indicate if this project is included in a local government comprehensive plan, watershed management plan or some other adopted plan or study (e.g., is there a documented need for this project?). The Town of Cutler Bay is requesting \$175,000 to implement the Canal Bank Erosion Protection project in accordance with the Town's 2014 Local Mitigation Strategy. This project includes the removal of undesirable debris, trees, predominantly Australian pines and ficus, located in close proximity to the canal bank. These trees are prone to falling during a severe windstorm or hurricane causing flow obstruction as well as damage to the canal bank resulting in increased erosion.

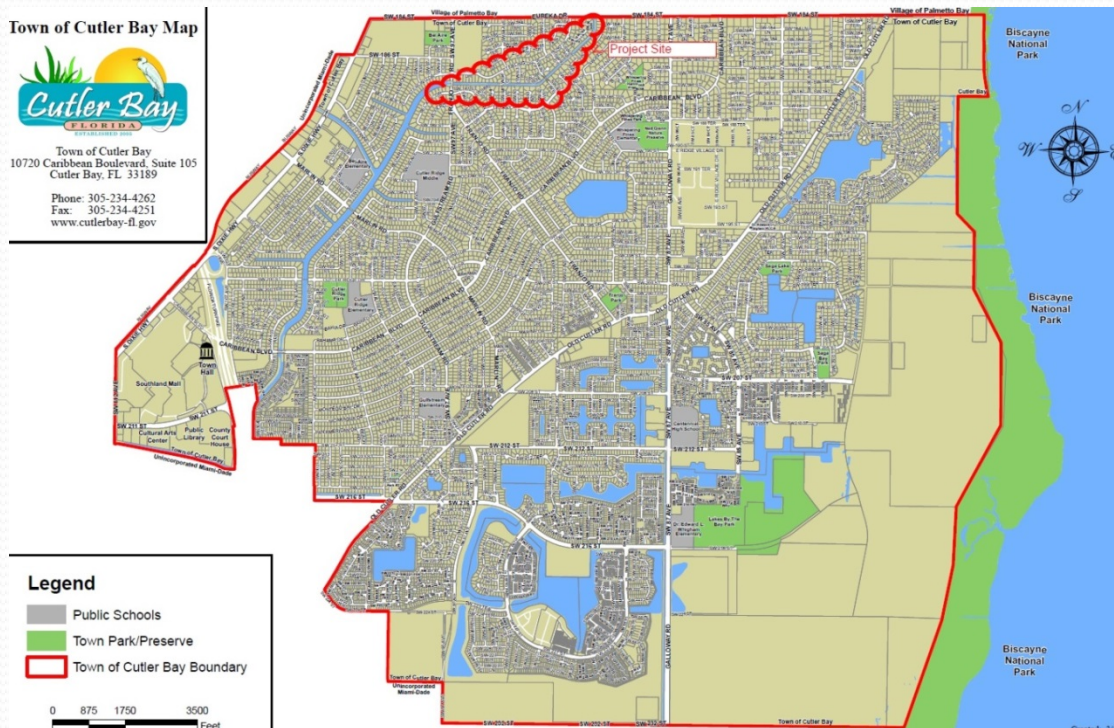
Project Description and Timeline (include water body and/or watershed): Funding from the South Florida Water Management District will allow the Town to design and construct erosion protection structures and bank stabilization projects along Town maintained canals. The Town has coordinated with the SFWMD to construct a canal stabilization project, south of the Caribbean Boulevard Bridge.

Grant application

- Funding requested by the Town \$245,000 (50%).
- Town contribution \$245,000 (50%) through the Stormwater Utility Fund.
- Total project cost: \$490,000.

Project #1

Identify segments of canals where erosion is causing banks to collapse and prepare a prioritized list for improvements



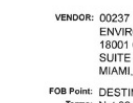
- Map of proposed improvements.
- 2020 State Legislative Items Submission #2020-04

Project # 2

Cleanout storm drains on a biennial basis

- ***Project Description:*** Ensure that storm drains are cleaned on a regular and consistent basis in order to maintain adequate stormwater drainage as they were designed.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from catch basins not draining properly.
- ***Status:*** The Town budgeted \$275,000 for storm drain maintenance in Fiscal Year 2017-18. P.O. #1550 was issued and completed. In Fiscal Year 2018-19 purchase order #1875 was issued and completed. Funding source: Stormwater Utility Fund.

Cleanout storm drains on a biennial basis

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TOWN OF CUTLER BAY, FLORIDA
 10720 CARIBBEAN BLVD. SUITE 105
 CUTLER BAY, FL 33189
 Phone: 305-234-4262
 Fax 305-234-4251
 Tax Exempt: 85-6013595238C-5 Fed ID: 02-0768791

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VENDOR: 00237
 ENVIROWASTE SERVICES GROUP
 18001 OLD CUTLER ROAD
 SUITE 554
 MIAMI, FL 33157

FOB Point: DESTINATION
Terms: Net 30 Days

Req Del Date:
Contract No:
Special Inst:

SHIP TO: TOWN OF CUTLER BAY
 10720 CARIBBEAN BLVD
 SUITE 105
 CUTLER BAY, FL 33189

Req. No:
Dept: PUBLIC WORKS
Contact: VEGA, YENIER
Confirming? No

Quantity	Unit	Description	Unit Price	Ext. Price
		2018-2019 Fiscal Year As per Town resolution #18-88 the Town intends to utilize the prices submitted through the competitive process as performed by the City of Doral (RFP #2013-32), titled "Catch Basin Maintenance Program", City of Doral Resolution #18-156		300,000.00
SUBTOTAL				300,000.00
TAX				0.00
FREIGHT				0.00
TOTAL				300,000.00

BILL TO: TOWN OF CUTLER BAY
 10720 CARIBBEAN BLVD
 SUITE 105
 CUTLER BAY, FL 33189

Account Number	Amount	Account Number	Amount
E 405 519.3400	300,000.00		

 Authorized Signature

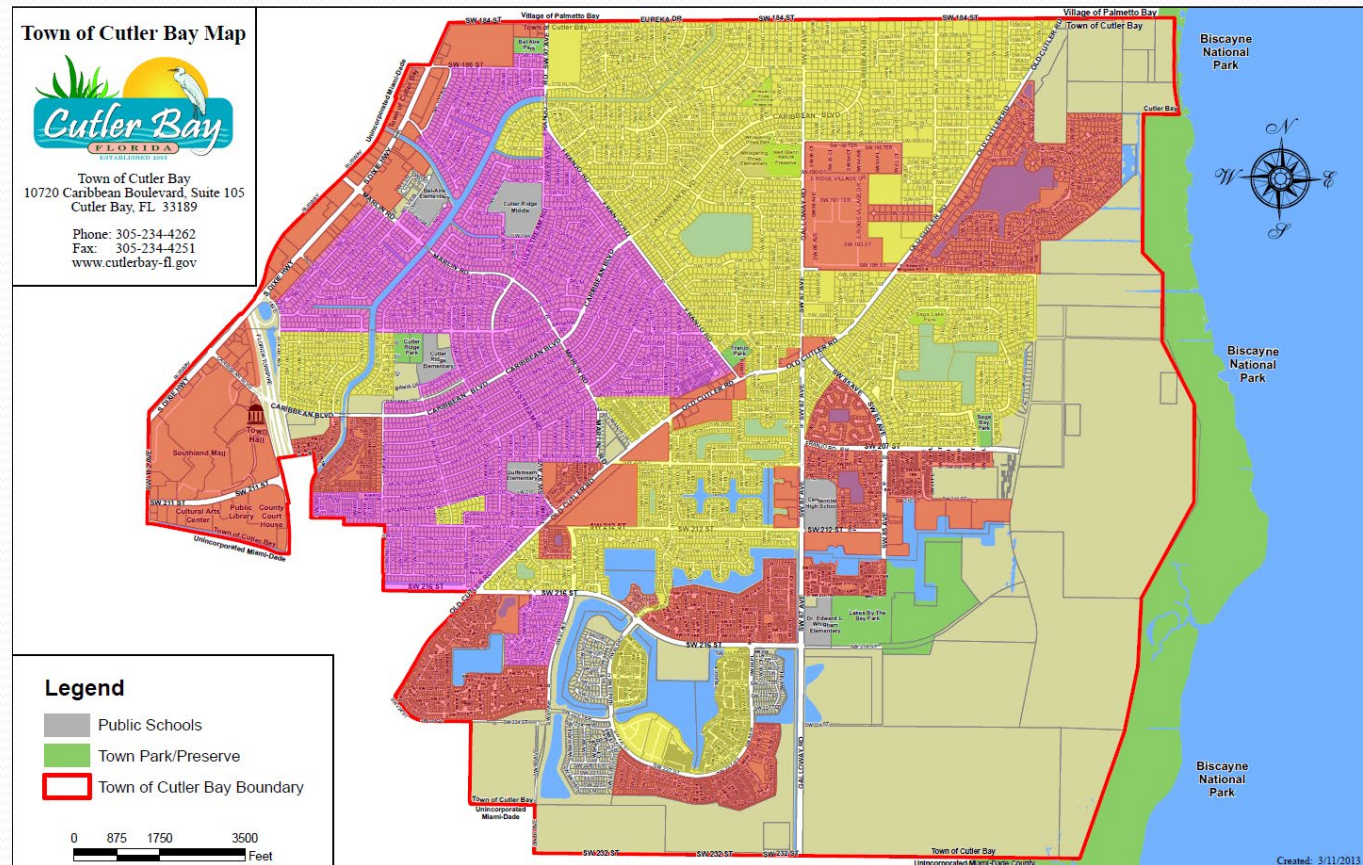
RECEIVING COPY

 Authorized Signature

Project # 2

Cleanout storm drains on a biennial basis

- Red Highlight = Private properties
- Yellow Highlight = Cleaning Performed in Fiscal Year 2017 - 2018
- Pink Highlight = Cleaning scheduled for Fiscal Year 2018-2019
- Brown color areas = No work performed under this purchase order



Project #3

Improve drainage along the SFWMD C-100 canal through a dredging project

- ***Project Description:*** Mitigate/reduce flooding in the sub-basin that currently outfalls to the canal by dredging the C-100 canal.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from inadequate drainage within the canal.
- ***Status:*** Caribbean Bridge Replacement and adjacent dredging design have been completed. Once the bridge replacement and adjacent dredging have been completed, the SFWMD has verbally committed to dredge canal from Caribbean Bridge to structure S21, near Black Point Marina. Miami-Dade County has finalized all permits for the project. The County is currently entering into the procurement stage and competitive bidding process. Estimated Cost \$1,456,08.06
Set for procurement April 2020. Scheduled for construction January 2021.

Project #3

Improve drainage along the SFWMD C-100 canal through a dredging project

Project Overview

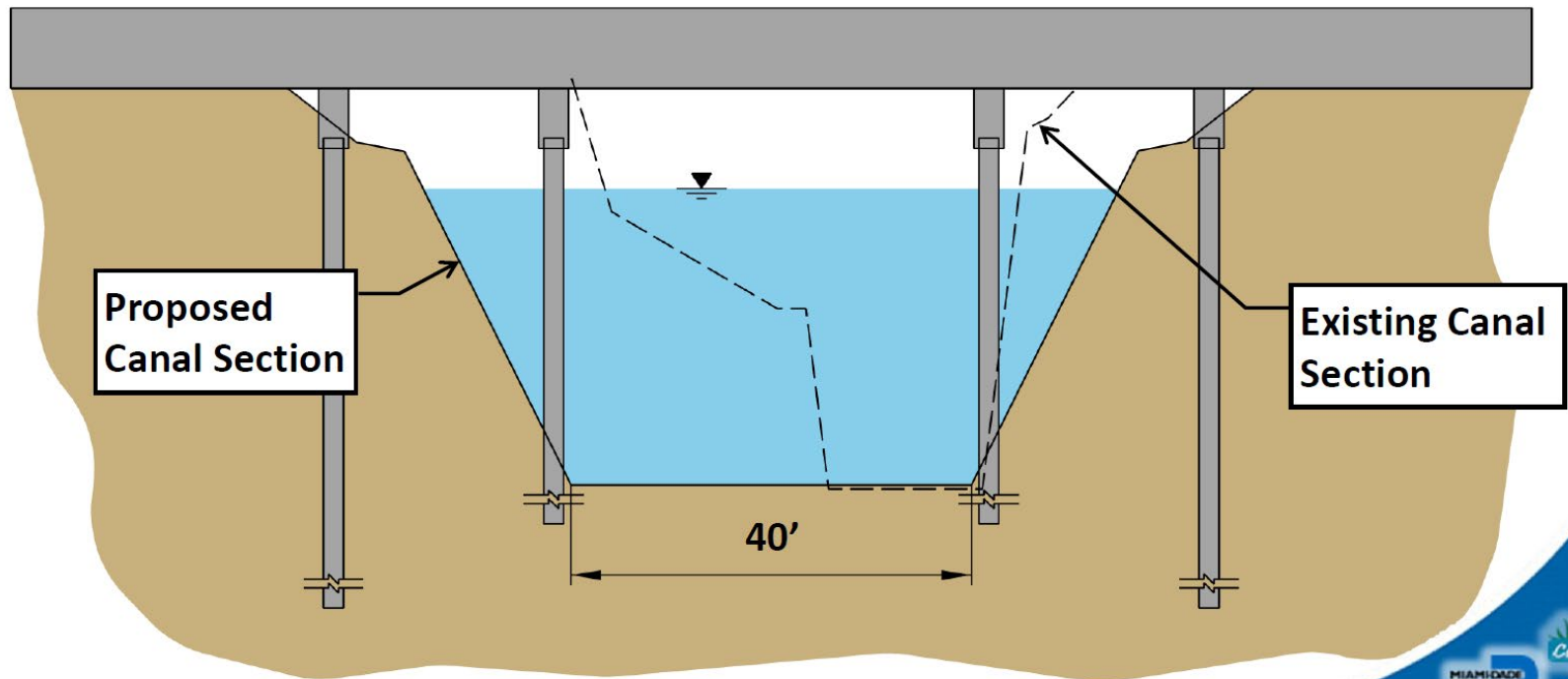


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Project #3

Improve drainage along the SFWMD C-100 canal through a dredging project

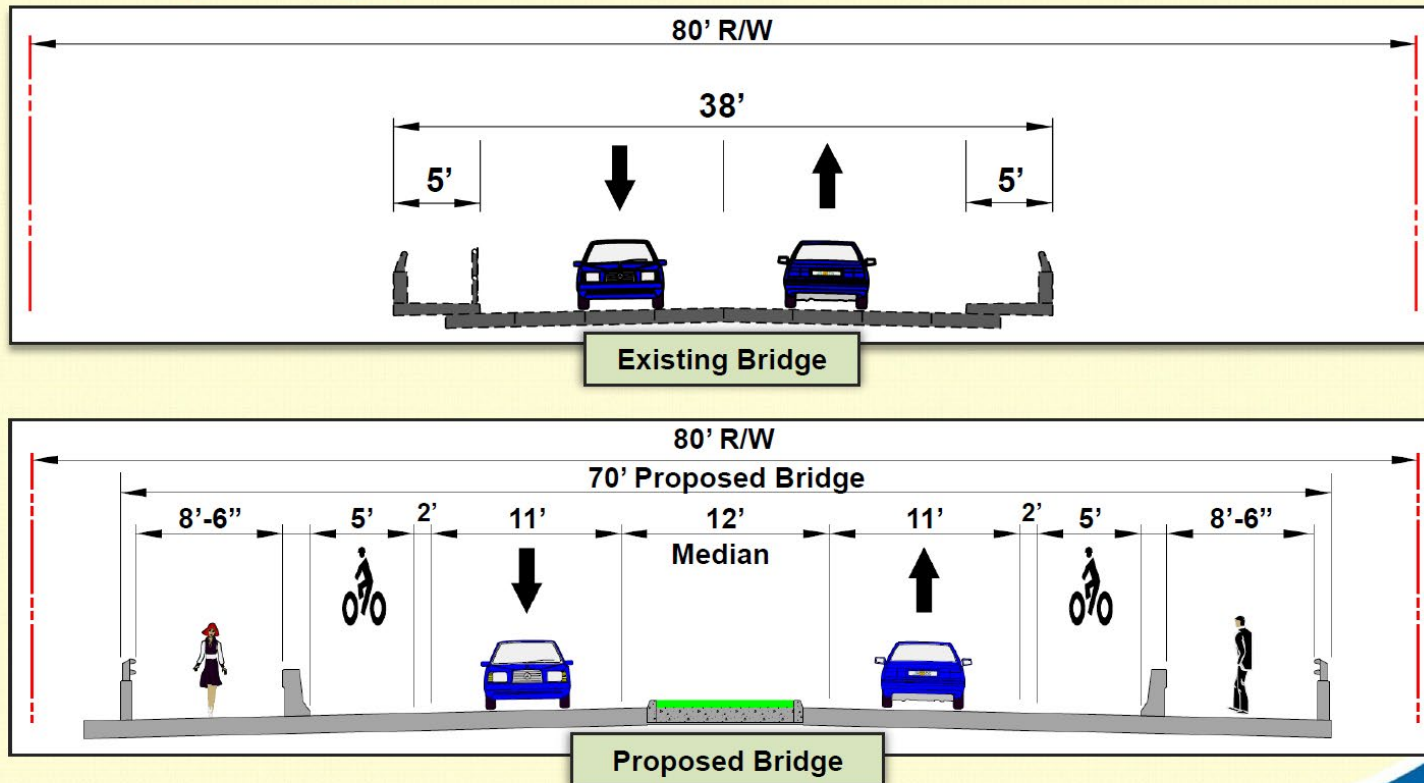
Proposed Canal Improvements



Project #3

Improve drainage along the SFWMD C-100 canal through a dredging project

Bridge Typical Section



Project #4 – Improve drainage along a flood prone Town streets or neighborhoods

- Saga Bay 1.2: 100% Completed

New Project: Saga Bay 1.7 Drainage Improvement Project.

- ***Project Description:*** Upgrade the storm water infrastructure in Saga Bay 1.7 Sub-Basin. Historical records show three (3) Repetitive Loss Properties. This project will ensure sufficient discharge and/or storm water runoff.
- ***Project Benefits:*** Reduces potential losses to structures which could be damaged from storm water ponding and prevents hazardous driving conditions for residents.
- ***Status:*** Project under the planning stage.
- ***Funding source(s):*** Submitted under State Legislative item submittal 2018-07 requesting \$250,000. The Town continues to seek grant opportunities and is submitting this project in the 2020 State Legislative Funding Requests as project 2020-02.

Project #4 – Saga Bay 1.7 Drainage Improvement Project



Project #5

Implement program to identify all catch basins located on private streets in gated communities

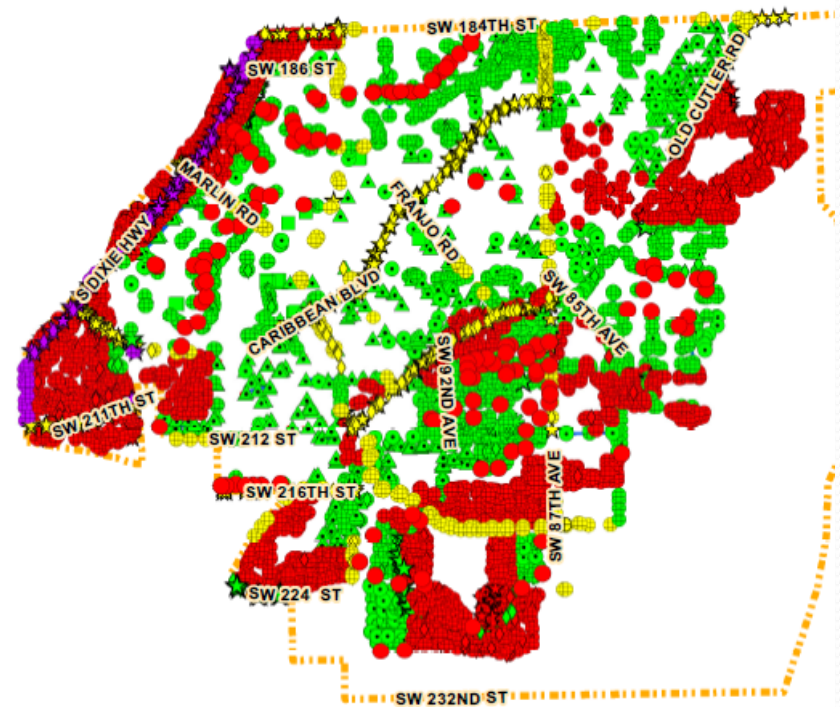
- ***Project Description:*** inventory all catch basins located on private streets, in gated communities and commercial properties, in order to develop a plan for maintenance.
- ***Project Benefits:*** Reduces potential losses to buildings on private streets which could be damaged from catch basins not draining properly.
- ***Status:*** Completed by Town's GIS consultant, 100% complete. The Town is in process of developing Ordinance to enforce cleaning of storm drains in private streets, gated communities and commercial properties.
- Part I: Completed.
- Part II: Town staff presented the need of propose Ordinance at the September 30, 2015 Town Council Workshop. The Town Council is in favor of the idea pending formal adoption of Ordinance at a future Town Council Meeting. **Ongoing Project.**

Project #5

Implement program to identify all catch basins located on private streets in gated communities

- PO # 00802 in the amount of \$11,800.
- Issued 12/5/14.
- Project 100% complete.
- Funding Source:
Stormwater Utility Fund
- Identified and cataloged 3,039 additional private storm drain structures.

private and county streets, US-1, and commercial streets have been mapped and added to the existing stormwater GIS database.
Date: 06/04/2015



Project #6

Continue implementation of drainage system maintenance on all surface water channels, canals and ditches

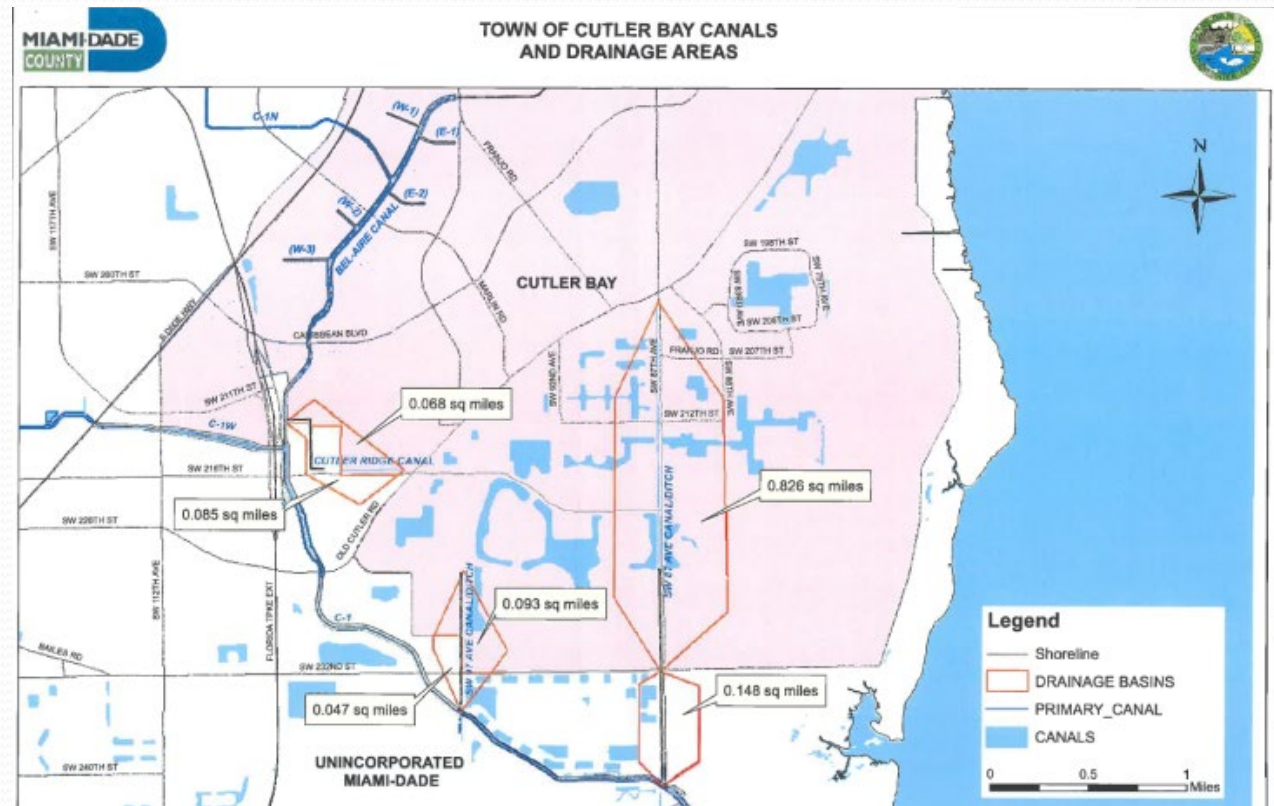
- ***Project Description:*** Maintain all surface water channels, canals and ditches in order to ensure the proper storage, disposal and water quality treatment of runoff.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from channel, canals and ditches not operating properly.
- ***Status:*** Interlocal Agreement with Miami-Dade County was executed October 1, 2012. On September 25, 2017, the Town renewed the Interlocal Agreement which will commence on October 1, 2017 and end on September 30, 2022. Project maintenance funding to be continued in the FY 18-19 Operating Budget. **Ongoing Project**

Project #6

Continue implementation of drainage system maintenance on all surface water channels, canals and ditches

Maintenance cost per year

- FY 11-12: \$68,694
- FY 12-13: \$78,698
- FY 13-14: \$66,254
- FY 14-15: \$53,218
- FY 15-16: \$64,209
- FY 16-17: \$63,489
- FY 17-18: \$88,231
- Funding Source:
Stormwater
Utility Fund



Project #6

Continue implementation of drainage system maintenance on all surface water channels, canals and ditches



Project #7 – Improve drainage along a flood prone Town street or neighborhood

- SW 212th Street Project 100% Completed
- Point Royal Section 5 on SW 100th Avenue Project 100% Completed

New Project: Cutler Ridge Section 3 Drainage Improvement Project

- **Project Description:** Upgrade the storm water infrastructure along Pan American Dr, Nicaragua Dr and Montego Bay East of Anchor Road in order to ensure sufficient discharge and/or storm water runoff.
- **Project Benefits:** Reduces potential losses to buildings which could be damaged from storm water ponding and prevents hazardous driving conditions for residents.
- **Status:** Project was identified during a series of two (2) public meetings.
- **Funding source(s):** Submitted under State Legislative item submittal 2018-06 requesting \$300,000. Also applied through Florida Small Cities Development Block Grant. **Town was awarded Florida Department of Environmental Protection (FDEP) grant in the amount of \$200,000.**

Project #7 – Cutler Ridge Section 3 Drainage Improvement Project





OFFICE OF THE MAYOR

Tim Meerbott

Mayor

May 10, 2019

Governor DeSantis
Executive Office of Governor Ron DeSantis
400 S Monroe St
Tallahassee, FL 32399

Re: Town of Cutler Bay State Legislative Session Funding Request:
Cutler Ridge Section 3 Drainage Improvement

Honorable Governor Ron DeSantis,

It was a true pleasure meeting with your executive office staff during the 2019 Miami-Dade County Legislative Days in Tallahassee, FL. On behalf of the Town Council and residents of the Town of Cutler Bay (the "Town"), we ask that you consider approval of the *Drainage Improvement Cutler Ridge Section 3 (HB 3769) (Senate Form 1781)* within your final approved State of Florida Legislative Appropriation budget in the amount of \$200,000.

Currently, the Cutler Ridge area is subject to heavy flooding from common rainstorms during the wet season in Miami-Dade County. The underperforming system is made up of slab covered trenches that do not provide water treatment, and therefore, stormwater pollutants are deposited directly into the water table.

The appropriations that would be allocated to this project would allow the Town to install approximately 2,400 linear feet of new drainage system in one of the Town's oldest residential neighborhoods on Town owned and maintained roadways. The estimated construction cost of this project is \$1,015,160, in which the Town is requesting \$200,000 from the appropriation to supplement the project.

The Miami-Dade County Dade Delegation worked diligently to ensure the benefit of this project be Statewide. Rest assured, the Town will implement *Best Management Practices* and complete the project on time, within budget, and in full compliance with all grant contractual requirements.

I implore you not to veto this important appropriation, as it impacts our environmentally sensitive Biscayne Bay. Biscayne Bay borders the Town on the west and is a protected State Aquatic Preserve.

Thank you for your consideration of this important appropriation and for your continued service in the State of Florida. I look forward to collectively working with you in protecting our environment for future generations to come.

Sincerely,


Tim Meerbott
Mayor



Project #7 – Cutler Ridge Section 3 Drainage Improvement Project

(HB 3419) (Senate Form 1339).....	3,000,000
Citrus County Kings Bay Restoration Project Phase 2-4	
(HB 3441) (Senate Form 1314).....	2,500,000
Clay County Utility Fleming Island Alternative Water Supply	
(HB 4231) (Senate Form 2435).....	1,500,000
Clay County Utility Mid Clay Alternative Water Supply	
(HB 4229) (Senate Form 2436).....	1,500,000
Clewiston Storm Spill Prevention (HB 2759) (Senate Form 1037).....	381,032
Coconut Creek Wastewater Conveyance System Improvements (HB 3613) (Senate Form 1397).....	150,000
Collier County Plantation Island Hurricane Irma Waterway Recovery (HB 3187) (Senate Form 1125).....	312,500
Coral Gables Stormwater System Improvements (HB 3731) (Senate Form 1445).....	100,000
Cutler Bay-Drainage Improvement Cutler Ridge Section 3 (HB 3769) (Senate Form 1781).....	200,000
Dade City Howard Avenue Stormwater Pump Station (HB 3267) (Senate Form 1499).....	150,000
Dolphin Research Center Removal of Organic Material in Dolphin Lagoons (HB 4481) (Senate Form 1435).....	150,000
Doral Stormwater Improvements NW 114 Ave./50th St (HB 4499) (Senate Form 1715).....	200,000
Florida Keys Aqueduct Authority Stock Island Reverse Osmosis Facility (HB 3169) (Senate Form 1446).....	1,000,000
Florida Ocean Alliance Strategic Policy Plan for Florida's Oceans and Coast (HB 2555) (Senate Form 1758).....	500,000
Fort Myers Beach Stormwater Improvements (HB 3717) (Senate Form 1336).....	500,000
Fort Myers Reclaimed Water Expansion Project (HB 3801) (Senate Form 1337).....	1,500,000
Gulf Breeze Fairpoint to Shoreline Multi-Use Pathway (HB 3587) (Senate Form 2152).....	100,000
Gulfport - PYCC Culvert Replacement (Phase II) (HB 4657)	

Project #8

Promote an Enviro-Scape model to elementary school students

- ***Project Description:*** Help elementary school students to better understand the sources of flooding and prevention of water pollution.
- ***Project Benefits:*** Educates children on how to avoid flood damage and the benefits of reduced storm water pollution.
- ***Status:*** The 2019 event took place at Dr. Edward L. Whigham Elementary School on May 15.

Town staff will continue the public school education program for Fiscal Year 2019-2020 at Whispering Pines Elementary. **Ongoing Project**

Project #8

Promote an Enviro-Scape model to elementary school students



Project #9

Work with local, state and federal partners to target repetitive loss properties for acquisition or elevation

- ***Project Description:*** Target repetitive loss properties for either acquisition or retrofitting to eliminate the potential for future flooding.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from future flood events.
- ***Status:*** Repetitive loss properties are targeted by outreach efforts through special events and/or direct mailers. Staff has completed training for FEMA IS-00279.a 'Introduction to Retrofitting Flood Prone Residential Buildings'. **Ongoing Project.**

Project #9

FEMA IS-00279.a Introduction to Retrofitting Flood Prone Residential Buildings

Emergency Management Institute



FEMA

This Certificate of Achievement is to acknowledge that

ALFREDO QUINTERO

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

**IS-00279.a
Introduction to Retrofitting Flood-Prone
Residential Buildings**

Issued this 27th Day of January, 2016

1.0 IACET CEU




Tony Russell
Superintendent
Emergency Management Institute

Emergency Management Institute



FEMA

This Certificate of Achievement is to acknowledge that

YENIER VEGA

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of the independent study course:

**IS-00279.a
Introduction to Retrofitting Flood-Prone
Residential Buildings**

Issued this 25th Day of January, 2016

1.0 IACET CEU




Tony Russell
Superintendent
Emergency Management Institute

Project #9

Work with Local, State and Federal partners to target repetitive loss properties for acquisition or elevation



“Make Mitigation Happen” Workshop

Now is the time to take action. **Be Ready Florida** is coming to your community.

Your local community is hosting a “Make Mitigation Happen” workshop to provide information on ways to mitigate damage to your home from future disasters. Each workshop will provide homeowners with information on ways to make your home safer from windstorms that threaten Florida residents.

Information will be provided at the workshop on how to reduce insurance premiums for homeowner’s windstorm coverage.

Workshop Date / Time: Monday, March 17, 2014 at 7:00 PM

Workshop Location: William B Dickinson Community Center
1601 N Krome Ave
Homestead, FL 33030

Don't miss out on this important workshop. Register today on www.BeReadyFlorida.org.

You can make a difference in your community. Invite your friends and neighbors to attend the workshop, too. For more information, visit www.BeReadyFlorida.org.

Join the conversation on Twitter @FLSERT



PUBLIC NOTICE Flood Insurance Repetitive Loss Property

When our system of canals, ditches and culverts was built over 20 years ago, it could handle all but the largest tropical storms and hurricanes; since then, urban development within Miami-Dade County has increased, thus also increasing the amount of stormwater runoff. Now, heavy rains overload the system more often, resulting in more frequent floods in your area with an average heavy event every 3 to 4 years.

The Town of Cutler Bay is working diligently to improve the flood protection levels of service through our Capital Improvement Program funded by the Town’s Stormwater Utility Fund. We are coordinating thru Miami-Dade County with other agencies such as the South Florida Water Management District and the United States Army Corps of Engineers to increase the storage and carrying capacity of floodwaters in the surrounding primary canal system.

What is the purpose of the NFIP and Floodplain Management?

The *National Flood Insurance Program (NFIP)* enables property owners in participating communities to purchase insurance against losses from flooding.

The NFIP is a federally supported program that assists communities and citizens who are devastated by disasters. The majority (76%) of federally declared disasters are flood related, as most Americans live within close proximity to sources of flooding (e.g., rivers, coasts, lakes, etc.).

The role of Floodplain Management is to:

- Assist communities in avoiding potential flood losses
- Plan a course of action for when flooding occurs
- Protect the integrity of floodplains from activities that compromise their natural functions

Project #10

Promote retrofitting techniques for flood-proofing of residential structures

- ***Project Description:*** Promote public outreach efforts where residents can help themselves to potentially eliminate damage from low level flooding to their structure by encouraging retrofitting techniques.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from all types of flooding.
- ***Status:*** Residents are frequently given brochures at various Town events, Concerned Citizens meetings, Home Owner's Associations meetings/events, and through door hangers. The Town continues to perform a yearly Town wide mail out. Staff has completed training for FEMA IS-00279.a 'Introduction to Retrofitting Flood Prone Residential Buildings'. **Ongoing Project.**

Project #10

Promote retrofitting techniques for flood-proofing of residential structures



ARE YOU PREPARED FOR A FLOOD IN YOUR NEIGHBORHOOD? YOU ARE RECEIVING THIS BROCHURE BECAUSE YOUR PROPERTY IS LOCATED IN OR NEAR A FLOODPRONE AREA.

Sources of Flooding in the Town of Cutler Bay, Florida

The Town of Cutler Bay is located in very close proximity to Biscayne Bay and the Atlantic Ocean. Flooding in the Town can be attributed to three sources: 1) tidal flooding and storm surge resulting from hurricanes and tropical storms; 2) flash flooding resulting from heavy rainfall that overburdens the drainage system within the Town; and 3) riverine flooding resulting from heavy and prolonged rainfall which causes the capacity of canals and stream channels to be exceeded. *Being prepared is your best defense against a flood.*

Steps to Prepare for a Flood:

Step 1 - KNOW YOUR FLOOD HAZARD

Regulated floodplains are illustrated on inundation maps called Flood Insurance Rate Maps (FIRMs). It is the official map for a community on which FEMA has delineated both the Special Flood Hazard Areas (SFHAs) and the risk premium zones applicable to the community. SFHAs represent the areas subject to inundation by the 1-percent-annual chance flood event. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. FEMA FIRM maps are available for free public viewing online at msc.fema.gov/portal. Also, upon request, the Public Works Department at (305) 234-4262, will make free flood zone determinations for properties located within the Town. It is critical to note that properties located outside of the SFHA are not guaranteed to be safe from flooding.

Step 2 - INSURE YOUR PROPERTY

Flooding is not covered by a standard homeowner's insurance policy. Flood insurance is available to homeowners, condo owners, commercial owners, and all renters. Renters are encouraged to purchase flood insurance for their contents. Note that there is a 30-day waiting period before coverage goes into effect. That means now is the best time to buy flood insurance. Contact your preferred insurance agency for more information. Additional information can be found online at www.floodsmart.gov or by calling 1-888-379-9531.

The Town has been keeping Elevation Certificates on file for new construction and substantially improved buildings since 2006. To find out if your property is in a flood zone, to request the Elevation Certificate we may have on file, and for other flood protection information, please call the Town's Public Works Department at (305) 234-4262.

Step 3 - PROTECT YOURSELF AND YOUR FAMILY

- Should a storm threaten South Florida, the Town of Cutler Bay will update its website (www.cutlerbay-fl.gov) based on advisories from the Miami-Dade County Office of Emergency Management.
- Tune-in to local radio stations such as WIOD (610 AM) or WBGG (105.9 FM) and television channels 4, 7 and 10.
- All hazard NOAA Weather Radios (NWR) are available for purchase in local electronic retail or department stores and provide access to the NOAA Weather Radio System.
- If flooding threatens your home, turn off electricity at the main breaker.
- If you lose power, turn off all major appliances.
- Avoid low-lying areas. Seek shelter in the highest areas possible.
- Discuss your family emergency plan. Your family may not be together when disaster strikes, so it is important to know how you will contact one another, how you will get back together, and what you will do in case of emergency.
- Never attempt to drive through flooded roadways. Floodwaters can conceal damage underneath. As little as two feet of running water can carry away most vehicles including SUV's. **Turn Around, Don't Drown!**

Step 4 - PROTECT YOUR PROPERTY

Various methods may be used to minimize flooding. If the first finished floor elevation of your property is lower than the based flood elevation (BFE) established by FEMA, consider elevating your structure. If a flood is imminent, protect your property by sandbagging areas vulnerable to the entry of water. Valuables and furniture may also be moved to higher areas of the dwelling to minimize damages. The Town of Cutler Bay will make site visits to provide one-on-one advice to a property owner regarding flooding and drainage issues on private property. For more information, please contact the Public Works Department at (305) 234-4262.

Step 5 - BUILD RESPONSIBLY

The Town of Cutler Bay's floodplain management Ordinances 10-04, 09-06, and 06-10 include a rule that is known as the 44% rule. This rule states that if your structure is damaged or improved to an amount greater than 44% of the structure's market value, it will then have to comply with the current floodplain requirements. The Town's ordinance requires that all new construction and substantially improved buildings be built to a finished floor elevation of 1 foot above the BFE.

Before you begin any fill or construction, please contact the Town's Building Department, 10720 Caribbean Boulevard, Suite 110, at (305) 234-4193 for the appropriate permit application. If you see construction occurring without permits, please report this to the Town's Code Enforcement Department at (305) 234-4262.

Town of Cutler Bay Flood Protection Brochure



Step 6 - PROTECT NATURAL FLOODPLAIN FUNCTIONS

Floodplains are a natural component of the Town's environment. Understanding and protecting the natural functions of floodplains helps reduce flood damage and protect resources. When flooding spreads out across the floodplain, its energy is dissipated, which results in lower flood flows downstream, reduced erosion of the streambank and channel, deposition of sediments higher in the watershed and improved groundwater recharge. Floodplains are scenic, valued wildlife habitat. Poorly planned development in floodplains can lead to streambank erosion, loss of valuable property, increased risk of flooding to downstream properties and degradation of water quality.

Did you know that it is illegal to throw anything - ANYTHING AT ALL! - into the lakes, canals, or other waters of the Town? Do you know that nothing but stormwater is allowed to go to the storm drains located in streets, rights-of-way, and parking lots? Dumping of materials into our waters or drains pollutes those waters, clogs our storm drains, and leads to flooding in our neighborhoods. For additional information or to report any illegal discharges, please contact the Town's Public Works Department at (305) 234-4262, or the Miami-Dade County Call Center at (305) 469-5900. The Public Works and Waste Management Department's permanent Home Chemical Collection Centers accept oil-based paints, pesticides, solvents, pool chemicals, unbroken fluorescent light bulbs (to include the older, long-tube fluorescents, modern compact fluorescent light bulbs (CFLs) and other fluorescent types) and other electronic waste. The South Dade Center is located at 23707 SW 97th AVE Gate-B. Hours of operation are 9 am to 5 pm Wednesday through Friday.

The centers also accept latex paints that are still in liquid form. However, it is recommended that new paints or latex paint that is still in good condition be donated to neighbors or community groups. If you have unusable or poor quality latex paint still in liquid form, dry out any remaining liquid with an absorbent material such as newspaper or kitty litter. Once the latex paint has been solidified, you can place the paint can in the regular household waste container for collection. Also, propane tanks can be disposed of at one of the two Home Chemical Collection Centers. You can also dispose of empty oxygen tanks. Larger tanks such as those used for RV's, forklifts, or fixed kitchen gas supply are not accepted. The centers are available for non-commercial residents only.

Step 7 - HURRICANE PREPAREDNESS

If required, the Miami-Dade County Office of Emergency Management will order evacuations. If evacuations are called for, it is imperative that you follow instructions in the timeframe noted. The primary evacuation routes in Cutler Bay are US 1 and the Florida Turn Pike.

Miami-Dade County will use radio and TV stations to broadcast emergency information. In addition, you can register for emergency notifications via the County's emergency notification system at www.miamidade.gov/alerts.

If a hurricane evacuation is ordered, residents are encouraged to stay with family members or friends in an inland area. Hurricane Evacuation Centers will be opened, but the Centers should only be considered as a last resort. Emergency bus pick-up sites will be activated to provide public transportation to and from designated Hurricane Evacuation Centers. To learn more about designated shelter locations and bus pick-up points, go to www.miamidade.gov/fire/evacuations.asp.

Step 8 - GENERAL PREPAREDNESS

Inventory and photograph your home's contents and put important papers and insurance policies in a safe place. Keep an emergency supply including non-perishable food, water, batteries, flashlights, manual can opener, and a battery-operated radio. If possible, place the washer, dryer, furnace and water heater above potential flood waters. They should be placed on masonry blocks or concrete at least 12 inches above the projected flood elevation, moved to inside a floodwall or moved to a higher floor. All work must conform to state and local building codes.

Additional information is available online at www.miamidade.gov/hurricane/ and www.nhc.noaa.gov/prepare/ready.php.

Step 9 - BE AWARE OF OTHER HAZARDS

As a Town resident you need to be aware of other hazards that could impact your property, one of which can be sinkholes. If you witness any sinkholes occurring in Town streets or on Town-owned property, please contact the Public Works Department at (305) 234-4262 or email your concerns to Aquifer@Cutlerbay-fl.gov. Sinkholes can be a dangerous hazard for traffic and residents. Although the Town is not authorized to fix sinkholes on private property, we can try to assist home and business owners with options they can use to resolve this issue.

Step 10 - FLOOD EDUCATION

Teach school children about flooding and the benefits of reduced stormwater pollution through an Enviro-Scape model (www.envirosapes.com) or similar education tool. Contact the Public Works Department at (305) 234-4262 for additional information.

For more information about Flood safety, Flood Response, NFIP, and Hurricane Preparedness, contact the following:

www.cutlerbay-fl.gov
www.miamidade.gov/emergency
www.floridadisaster.org
www.floodsmart.gov
www.ready.gov/floods
1-888-379-9531



Project #10

Promote retrofitting techniques for flood-proofing of residential structures

- HOA Meetings
- Town Events
- Schools
- Mailers
- Website
- Email Blasts
- Door Hangers



Project #11

Develop local Ordinance to require landscapers to register with the Town


- ***Project Description:*** The Town wants to make sure area landscape businesses don't create flooding conditions by blowing grass and leaves toward or into catch basins. The Town wants to license landscape businesses to ensure when working in the Town they are fully aware of the requirement not to put debris into the catch basins.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from local storm water flooding.
- ***Status:*** The Town has developed an educational bilingual brochure to further educate landscaping contractors.

Ongoing Project.

Project #11

Develop local Ordinance to require landscapers to register with the Town

- English and Spanish educational brochure to further educate landscaping contractors

**TOWN OF
CUTLER BAY**



Protecting Our Stormwater
For Landscape and Maintenance Crews

Stormwater runoff is water from rainfall that runs off of roofs, lawns, streets, parking lots, and other surfaces, that does not infiltrate into the ground, picking up pollutants that can adversely affect water quality. Yard waste is no exception. In addition to creating stormwater pollution, improper disposal of yard waste can clog our storm drains and lead to flooding.


Proper yard waste disposal is required by Town Ordinance. Cutler Bay Municipal Code prohibits the discharge of anything other than stormwater, allowable non-stormwater, and pollutants for which an NPDES permit has been issued, to enter the Town's storm sewer system. Discharge of anything other than stormwater and permitted discharges is a violation of Cutler Bay Resolution No. 07-19 and is considered an illicit discharge.

Key Tips for Reducing Pollutants:

- Avoid excess fertilizer or pesticide use, especially before rain is predicted. Keep fertilizer and pesticide off paved surfaces.
- Aim your mower away from paved areas. Use a leaf blower or broom to move clippings into the yard, NOT into the street.
- Sweep up dirt, grass clippings, and other yard waste instead of washing them into the storm drain.
- Do not stockpile soil, mulch, or other bulk materials on paved surfaces during landscaping projects.
- Maintain plant cover on slopes to stabilize the soil.
- Seed bare areas in lawns and mulch bare garden soil.
- Prevent soil erosion during renovation and landscaping by using mulch or a cover crop.
- Do not pile leaves or other yard waste near drainage channels where they can blow or wash into the channel.



For additional information, contact the Town of Cutler Bay Public Works Department:
10720 Caribbean Boulevard, Suite 110 ♦ Cutler Bay, FL 33189 ♦ 305-234-4262 ♦ www.cutlerbay-fl.gov

**TOWN OF
CUTLER BAY**



Protegiendo Nuestras Aguas Pluviales
Para Tripulaciones de Jardinería y Mantenimiento

Las aguas pluviales son agua de lluvia que corre en azoteas, jardines, calles, estacionamientos y demás superficies, que no infiltra en el suelo, recogiendo los contaminantes que pueden afectar la calidad del agua. Basura del patio no es la excepción. Además de crear contaminación de aguas pluviales, la eliminación inadecuada de desechos de patio puede obstruir los drenajes y conducir a inundaciones.

Desear los desperdicios del patio apropiadamente es requerido por ordenanza de la ciudad. El Código Municipal de Cutler Bay prohíbe la descarga de cualquier cosa que no sean aguas pluviales, aguas no pluviales permitidas y contaminantes que tengan un permiso aprobado por NPDES, para entrar en sistema de alcantarillado de la ciudad. Descarga de cualquier otra cosa que no sea agua de lluvia y vertidos permitidos es una violación de Cutler Bay Resolución N° 07-19 y es considerado una descarga ilícita.

Consejos claves para la Reducción de Contaminantes:

- Evitar el uso excesivo de fertilizantes o pesticidas, especialmente antes de que haya pronóstico de lluvia. Mantenga los fertilizantes y pesticidas fuera de las superficies pavimentadas.
- Apunte su podadora fuera de áreas pavimentadas. Utilice un soplador de hojas o la escoba para mover recortes hacia el patio, no en la calle.
- Barrer suciedad, hierba cortada y otros desechos de jardín en lugar de llevarlas sobre el drenaje de las tormentas.
- No acumule tierra, mantillo u otros materiales en bulto sobre las superficies pavimentadas durante los proyectos de jardinería.
- Mantener la cobertura vegetal en las cuestas para estabilizar el suelo. Siembre en áreas de césped que estén descubiertas, y ponga mantillo en áreas de tierra que estén descubiertas en el jardín.
- Prevenga la erosión del suelo durante renovaciones y jardinería utilizando mantillo o una cobertura de cultivo.
- No amontone hojas ni otros residuos de jardinería cerca de canales de drenaje donde pueden terminar en los canales.



Para información adicional, contacte el Departamento de Obras Públicas de la Ciudad de Cutler Bay
10720 Caribbean Boulevard, Suite 110 ♦ Cutler Bay, FL 33189 ♦ 305-234-4262 ♦ www.cutlerbay-fl.gov

Project #12

Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS

- ***Project Description:*** Work with the Miami-Dade County Association of Realtors to provide flood zone information in the Multiple Listing Service (MLS) to better inform residents as to whether a property is in a flood zone.
- ***Project Benefits:*** Upfront knowledge of the risk to the property.
- ***Status:*** The Town currently has a “sample” Flood Hazard and Mandatory Purchase Disclosure form, which is given to real estate agents upon request. Pending update from committee member. Town has contacted Luis Badillo to schedule a meeting with new Board of Directors. **Ongoing Project.**

Project #12

Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS



ARE YOU PREPARED FOR A FLOOD IN YOUR NEIGHBORHOOD? YOU ARE RECEIVING THIS BROCHURE BECAUSE YOUR PROPERTY IS LOCATED IN OR NEAR A FLOODPRONE AREA.

Sources of Flooding in the Town of Cutler Bay, Florida

The Town of Cutler Bay is located in very close proximity to Biscayne Bay and the Atlantic Ocean. Flooding in the Town can be attributed to three sources: 1) tidal flooding and storm surge resulting from hurricanes and tropical storms; 2) flash flooding resulting from heavy rainfall that overburdens the drainage system within the Town; and 3) riverine flooding resulting from heavy and prolonged rainfall which causes the capacity of canals and stream channels to be exceeded. *Being prepared is your best defense against a flood.*

Steps to Prepare for a Flood:

Step 1 - KNOW YOUR FLOOD HAZARD

Regulated floodplains are illustrated on inundation maps called Flood Insurance Rate Maps (FIRMs). It is the official map for a community on which FEMA has delineated both the Special Flood Hazard Areas (SFHAs) and the risk premium zones applicable to the community. SFHAs represent the areas subject to inundation by the 1-percent-annual chance flood event. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. FEMA FIRM maps are available for free public viewing online at msc.fema.gov/portal. Also, upon request, the Public Works Department at (305) 234-4262, will make free flood zone determinations for properties located within the Town. It is critical to note that properties located outside of the SFHA are not guaranteed to be safe from flooding.

Step 2 - INSURE YOUR PROPERTY

Flooding is not covered by a standard homeowner's insurance policy. Flood insurance is available to homeowners, condo owners, commercial owners, and all renters. Renters are encouraged to purchase flood insurance for their contents. Note that there is a 30-day waiting period before coverage goes into effect. That means now is the best time to buy flood insurance. Contact your preferred insurance agency for more information. Additional information can be found online at www.floodsmart.gov or by calling 1-888-379-9531.

The Town has been keeping Elevation Certificates on file for new construction and substantially improved buildings since 2006. To find out if your property is in a flood zone, to request the Elevation Certificate we may have on file, and for other flood protection information, please call the Town's Public Works Department at (305) 234-4262.

Step 3 - PROTECT YOURSELF AND YOUR FAMILY

- Should a storm threaten South Florida, the Town of Cutler Bay will update its website (www.cutlerbay-fl.gov) based on advisories from the Miami-Dade County Office of Emergency Management.
- Tune-in to local radio stations such as WIOD (610 AM) or WBGG (105.9 FM) and television channels 4, 7 and 10.
- All hazard NOAA Weather Radios (NWR) are available for purchase in local electronic retail or department stores and provide access to the NOAA Weather Radio System.
- If flooding threatens your home, turn off electricity at the main breaker.
- If you lose power, turn off all major appliances.
- Avoid low-lying areas. Seek shelter in the highest areas possible.
- Discuss your family emergency plan. Your family may not be together when disaster strikes, so it is important to know how you will contact one another, how you will get back together, and what you will do in case of emergency.
- Never attempt to drive through flooded roadways. Floodwaters can conceal damage underneath. As little as two feet of running water can carry away most vehicles including SUV's. **Turn Around, Don't Drown!**

Step 4 - PROTECT YOUR PROPERTY

Various methods may be used to minimize flooding. If the first finished floor elevation of your property is lower than the based flood elevation (BFE) established by FEMA, consider elevating your structure. If a flood is imminent, protect your property by sandbagging areas vulnerable to the entry of water. Valuables and furniture may also be moved to higher areas of the dwelling to minimize damages. The Town of Cutler Bay will make site visits to provide one-on-one advice to a property owner regarding flooding and drainage issues on private property. For more information, please contact the Public Works Department at (305) 234-4262.

Step 5 - BUILD RESPONSIBLY

The Town of Cutler Bay's floodplain management Ordinances 10-04, 09-06, and 06-10 include a rule that is known as the 44% rule. This rule states that if your structure is damaged or improved to an amount greater than 44% of the structure's market value, it will then have to comply with the current floodplain requirements. The Town's ordinance requires that all new construction and substantially improved buildings be built to a finished floor elevation of 1 foot above the BFE.

Before you begin any fill or construction, please contact the Town's Building Department, 10720 Caribbean Boulevard, Suite 110, at (305) 234-4193 for the appropriate permit application. If you see construction occurring without permits, please report this to the Town's Code Enforcement Department at (305) 234-4262.

Town of Cutler Bay Flood Protection Brochure



Step 6 - PROTECT NATURAL FLOODPLAIN FUNCTIONS

Floodplains are a natural component of the Town's environment. Understanding and protecting the natural functions of floodplains helps reduce flood damage and protect resources. When flooding spreads out across the floodplain, its energy is dissipated, which results in lower flood flows downstream, reduced erosion of the streambank and channel, deposition of sediments higher in the watershed and improved groundwater recharge. Floodplains are scenic, valued wildlife habitat. Poorly planned development in floodplains can lead to streambank erosion, loss of valuable property, increased risk of flooding to downstream properties and degradation of water quality.

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If possible, place the washer, dryer, furnace and water heater above potential flood waters. They should be placed on masonry blocks or concrete at least 12 inches above the projected flood elevation, moved to inside a floodwall or moved to a higher floor. All work must conform to state and local building codes.

Additional information is available online at www.miamidade.gov/hurricane/ and www.nhc.noaa.gov/prepare/ready.php.

Step 9 - BE AWARE OF OTHER HAZARDS

As a Town resident you need to be aware of other hazards that could impact your property, one of which can be sinkholes. If you witness any sinkholes occurring in Town streets or on Town-owned property, please contact the Public Works Department at (305) 234-4262 or email your concerns to AQuintero@Cutlerbay-fl.gov. Sinkholes can be a dangerous hazard for traffic and residents. Although the Town is not authorized to fix sinkholes on private property, we can try to assist home and business owners with options they can use to resolve this issue.

Step 10 - FLOOD EDUCATION

Teach school children about flooding and the benefits of reduced stormwater pollution through an Enviro-Scape model (www.enviroscape.com) or similar education tool. Contact the Public Works Department at (305) 234-4262 for additional information.

For more information about Flood safety, Flood Response, NFIP, and Hurricane Preparedness, contact the following:

www.cutlerbay-fl.gov
www.miamidade.gov/emergency
www.floridadisaster.org
www.floodsmart.gov
www.ready.gov/floods
1-888-379-9531



Project #12

Work with Miami-Dade County Association of Realtors to require flood zones to be included in the MLS

- Excerpt from the Town's Flood Protection Brochure:
 - Flood Disclosure - Did you know that it is a requirement in the Town of Cutler Bay that, if their property is in a flood zone, sellers of improved real estate have to disclose the flood hazard to buyers? To review a copy of the flood disclosure form that is recommended for use by real estate agents, please contact the Town's Public Works Floodplain Management Program, at 305-234-4262.

FLOOD HAZARD AND MANDATORY PURCHASE DISCLOSURE

Date: _____

Reference

Be advised, the property located at _____ has been identified as being in a Special Flood Hazard Area (SFHA), also known as a flood zone. The flood zone designation for the above property is _____.

This Disclosure form is intended to notify all parties interested in or purchasing improved properties in the SFHA of the following:

- 1 The federal Mandatory Purchase Act requires the purchase of flood insurance for all properties in the SFHA that are used as collateral for a federally-regulated loan.
- 2 If the structure on this property sustains substantial damage or improvement, as defined by the local community, it may be required to be elevated to the current FIRM elevation, and/or current requirements for that community.

Sec. 11C-17. Of the Code of Miami-Dade County: Required disclosure in contracts for sale of real estate.

(b) In any contract for the sale of improved real estate located in unincorporated Metropolitan Miami-Dade County which is in a Special Flood Hazard Area, the seller shall include in the contract or a rider to the contract the following disclosure in not less than ten-point bold faced type:

THIS HOME OR STRUCTURE IS LOCATED IN A SPECIAL FLOOD HAZARD AREA. IF THIS HOME OR STRUCTURE IS BELOW THE APPLICABLE FLOOD ELEVATION LEVEL AND IS SUBSTANTIALLY DAMAGED OR SUBSTANTIALLY IMPROVED, AS DEFINED IN CHAPTER 11C OF THE METROPOLITAN MIAMI-DADE COUNTY CODE, IT MAY, AMONG OTHER THINGS, BE REQUIRED TO BE RAISED TO THE APPLICABLE FLOOD ELEVATION LEVEL.

(Ord. No. 93-21, § 1, 3-30-93)

I hereby stipulate that this disclosure was provided to me as part of the sale of or interest in the property described above.

Signed: _____
Buyer

Signed: _____
Seller

Date: _____

Date: _____

Project #13

Promote the purchase of flood insurance to residents and businesses

- ***Project Description:*** Increase the Town's flood insurance policy base to ensure that residents are adequately protected from flood damage. The Town's outreach program can increase the messaging in a number of ways to encourage the purchase of flood insurance including working with local insurance agents.
- ***Project Benefits:*** Public outreach and awareness that flood insurance is a homeowner's first line of defense against flood damage.
- ***Status:*** Residents are frequently given brochures at various Town events, Concerned Citizens meetings, Home Owner's Associations meetings/events, and through door hangers. Fiscal Year 2018-19 new outreach will include targeted mailers to home owners in the SFHA, all Town realtors, lenders, and insurance brokers. **Ongoing Project.**

Project #13

Promote the purchase of flood insurance to residents and businesses

- Residents receive the adjacent brochures at all Town special events, as well as through door hangers.
- Events include:
 - Chili Cook-off
 - Founder's Day
 - PSA at Movie Nights
 - Bike-B-Que
 - Tour de Parks
 - Wings by the Bay
 - Tri-City Hurricane Preparedness Workshop
 - HOA Meetings
 - The Big Sting: Mosquitoes in South Florida
 - Mosquito 101 Workshop



National Flood Insurance Program

The Benefits of
Flood Insurance
Versus Disaster Assistance



Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

- ***Project Description:*** Preserve the Cutler Wetlands as a natural area on the east side of Cutler Bay to protect homes against storm surge and sea-level rise. Additionally, the wetland areas serve as a natural habitat for certain species of plant and animals which should also be protected.
- ***Project Benefits:*** Reduces potential losses to buildings which could be damaged from storm surge and sea-level rise.
- ***Status:*** Under CRS Activity 420, the Town continues to preserve its open space in the floodplain. The Town is currently part of the Comprehensive Everglades Restoration Plan (CERP). State Legislative Item # 2018-02 Cutler Bay Wetland Observation Pavilion (SW 97th Avenue) are currently being proposed as recreational additions to the floodplain. On August 21, 2019, the Town of Cutler Bay coordinated and hosted a meeting with all stakeholders to provide input essential for project's progress. **The Town continues to seek funding and is submitting the project in the 2020 State Legislative Funding Request as project 2020-01.**

Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD



Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

- Excerpt from the Town's Flood Protection Brochure :
 - Flood plains in our Town serve a beneficial purpose to our quality of life. These low areas are where rainfall goes to drain, and when the rainfall drains into the ground, this helps reduce flooding, and recharges our drinking water supply. Some examples of floodplains in Cutler Bay are the areas south of Lakes by the Bay community and the entire eastern border of the Town from SW 184 Street to SW 232 Street. These floodplains also serve as filters of storm water runoff as it seeps through the ground and into our aquifer. This aquifer is our only source of drinking water, and this filtering helps contain pollution before it reaches our aquifer. It is important that we appreciate our floodplains, and try to maintain, preserve, and keep these areas clean whenever possible.

Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

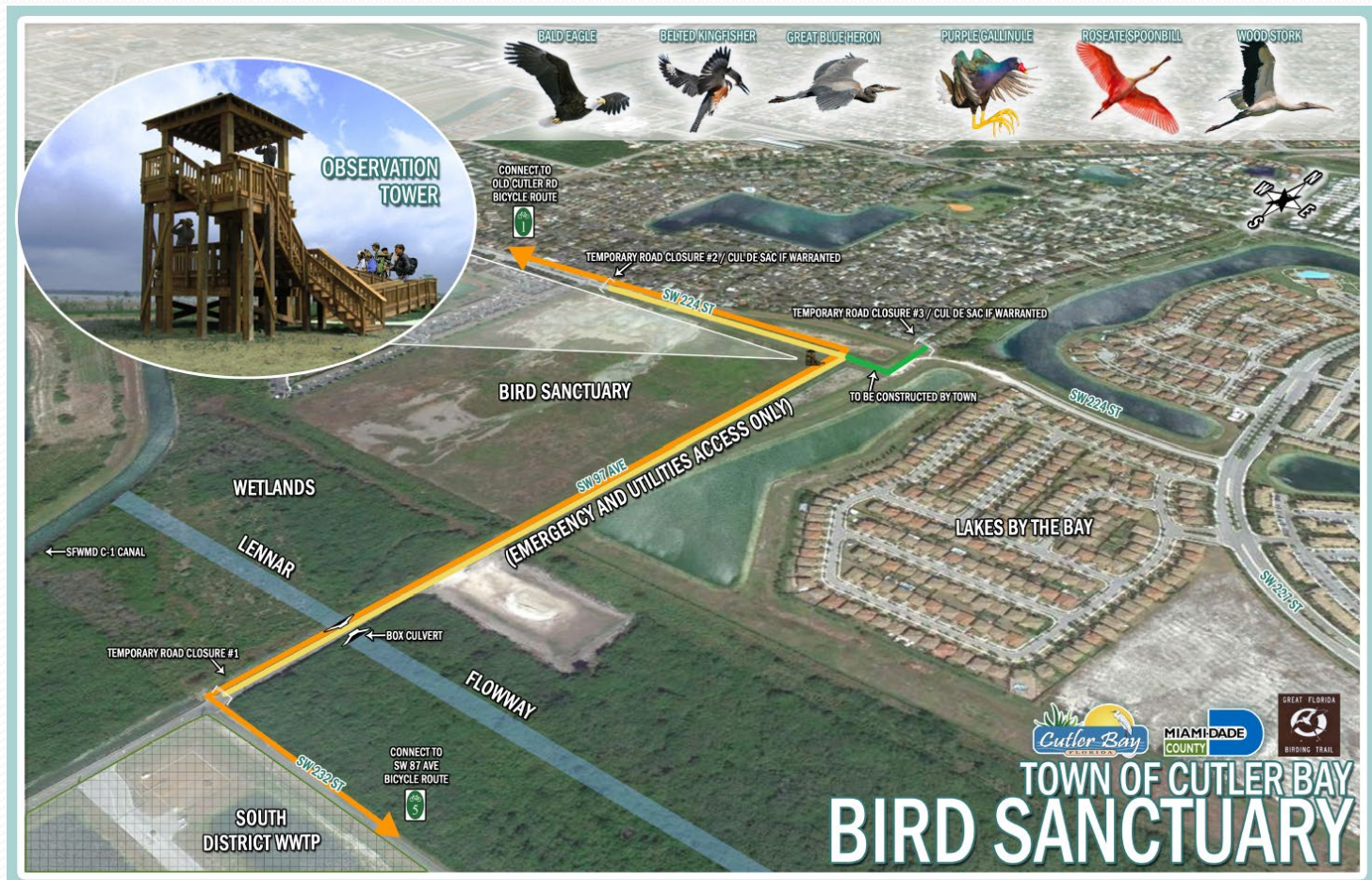
- As per the Town's Land Development Regulations Section 3-63:
 - The Conservation District is composed of environmentally sensitive areas. It is intended to preserve and protect open spaces, park lands, wilderness areas, marshlands, watersheds and water recharge areas, scenic areas, beaches, and native flora and fauna. It is also intended to preserve areas for residents and visitors to view wildlife in their natural habitat as a passive recreational opportunity.
 - (1) *Permitted Uses.*
 - (a) Elevated Walkway [with railing]
 - (b) Undeveloped Passive Park and Open Space
 - (c) Scenic Viewing Tower
 - (d) Recreational Facility (be limited to trail, interpretive centers, viewing areas and other recreation uses deemed to be of low intensity)
 - (2) *Site Development Standards:* as approved by Town Council.

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD

-
- Area of Interest**
- Biscayne Bay Coastal Watershed**
- Alternative "O" Phase 1 Features**
- | Potential Structures | Potential Improvements |
|--------------------------|---------------------------------|
| Box Culvert | Canal Enhancements |
| Flap-Gated Riser Culvert | Conveyance Channel |
| Inverted Siphon | Ditch Filling |
| Pump | Pipe |
| Riser Culvert | Seepage Ditch |
| Spreader Structure | Spreader Canal |
| Weir | Rehydrated Wetlands |
| | Salt Water Wetlands |
| | Fresh Water Rehydrated Wetlands |
- Other Features**
- | SFWMD Structures | Other Features |
|------------------|------------------------|
| Culvert | Highway |
| Spillway | Local Roads |
| | Existing Canals |
| | Biscayne National Park |
- CERP Boundaries**
- CERP Study Areas
- Map Labels:**
- Area of Interest
 - Biscayne Bay
 - Deering Estate
 - Biscayne National Park
 - Cutler Wetlands
 - L-31 East Flow-way
 - Homestead Air Force Base
 - Military Canal
 - SW 12TH AVE
 - SW 14TH AVE
 - SW 16TH AVE
 - SW 18TH AVE
 - SW 20TH AVE
 - SW 22TH AVE
 - SW 24TH AVE
 - SW 26TH AVE
 - SW 28TH AVE
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Project # 14

Protect natural floodplain functions within the Town including the Cutler Wetlands, as defined by SFWMD



Project #15

Increase awareness of the flood hazard through development of a program for public information

- ***Project Description:*** Increase outreach efforts by determining which types of messages, target audiences and target areas should be focused upon in an overall outreach strategy to better inform the public of flood risks and flood response efforts.
- ***Project Benefits:*** Better informed public can result in better protection to buildings.
- ***Status:*** Residents are frequently given brochures at various Town events, Concerned Citizens meetings, Home Owner's Associations meetings/events, and through door hangers. Program for Public Information (PPI) has been adopted via Resolution No. 16-32 on May 18, 2016. **Ongoing Project.**

Project #15

Increase awareness of the flood hazard through development of a program for public information

- Residents receive the adjacent brochures at all Town special events, as well as through door hangers.
- Events include:
 - Chili Cook-off
 - Founder's Day
 - PSA at Movie Nights
 - Bike-B-Que
 - Tour de Parks
 - Wings by the Bay
 - Tri-City Hurricane Preparedness Workshop
 - HOA Meetings
 - The Big Sting: Mosquitoes in South Florida
 - Mosquito 101 Workshop



National Flood Insurance Program

The Benefits of
Flood Insurance
Versus Disaster Assistance



Project #15

Increase awareness of the flood hazard through development of a program for public information

RESOLUTION 16-32

A RESOLUTION OF THE MAYOR AND TOWN COUNCIL OF THE TOWN OF CUTLER BAY, FLORIDA, RELATING TO THE ADOPTION OF THE TOWN FLOODPLAIN MANAGEMENT PROGRAM FOR PUBLIC INFORMATION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Town of Cutler Bay (the "Town") is vulnerable to hurricane and other flood hazards that can cause loss of life and damages to public and private property; and

WHEREAS, the Town has been an active participant in FEMA's National Flood Insurance Program's (NFIP) Community Rating System (CRS) Program, which encourages communities to voluntarily implement standards, policies, and programs that go above and beyond the minimum NFIP regulations in return for lower flood insurance premiums; and

WHEREAS, the Town's participation and documented activities in FEMA's CRS Program has earned the Town a current classification rating of six (6), which results in an annual savings of twenty percent (20%) to all property owners who purchase flood insurance policies; and

WHEREAS, on July 17, 2013, the Town established a Floodplain Mitigation Plan Advisory Committee via Resolution No. 13-56 to assist the Town in the development and implementation of the Town's Flood Mitigation Plan; and

WHEREAS, on May 20, 2015, the Town Council adopted the revised Flood Mitigation Plan via Resolution No. 15-27 with the added goal of lowering the Town's overall CRS classification rating to five (5) which will result in a twenty-five percent (25%) savings on all flood insurance premiums purchased within the Town; and

WHEREAS, it is the intent of the Town Council to protect its citizens and property from the effects of hurricanes, other flooding events, and to protect the natural floodplain functions by preparing and maintaining a comprehensive Town Floodplain Management Program for Public Information (the "PPI") under Activity 330 of the CRS manual; and

WHEREAS, the Town's Floodplain Mitigation Plan Advisory Committee with the guidance of both Town staff and the Town's professional consultant (AMEC Environmental and Infrastructure, Inc.) have coordinated with FEMA's CRS Program representative to develop a PPI manual in accordance with the CRS credit criteria to further inform property owners of the flood and other hazards within the Town; and

WHEREAS, the Town Council finds that the adoption of the Town-Wide Program for Public Information is in the best interest of the health, safety and welfare of the residents of the Town.



Project #16

Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations

- ***Project Description:*** Inventory and identify vulnerable populations within the Town to ensure that the elderly and those who are disabled are recognized by first responders. This is so their locations are established so that the emergency management officials understand where these populations reside in case evacuations become necessary.
- ***Project Benefits:*** Avoid possible loss of life.
- ***Status:*** The Town of Cutler Bay is currently in compliance with all requirements of Miami-Dade County Emergency Management. Project maintenance to be funded in FY 18-19 Operating Budget. Miami-Dade County has received a response from the State, the Flood Warning Plan has been approved. This activity has earned the Town an additional 269 points. **Ongoing Project**

Project #16

Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations

- Emergency Assistance Program Evacuation list.
- 105 Town residents registered on the Emergency Evacuation Assistance Program.



EMERGENCY EVACUATION ASSISTANCE PROGRAM

Report from Query:PSN Registrants

Municipality = CUTLER BAY AND Active Status = 1

Date: 7/20/2011 : 4:37:20PM

ID	Last Name	First Name	Address	Phone No.	Tran Type	Location
16385	SMITH	NANCY	19660 SW 81 CT MIAMI-33189	(305) 255-7577	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
16910	FARFAN	JOSE	21176 PERMIT LN MIAMI-33189	(305) 969-9541	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
17659	VIRSIDA	PILAR	9076 SW 215 TERR CORAL GABLES-33189	(305) 255-2104	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
17788	FEFFE	LILIA	9771 SW 220 ST CUTLER BAY-33190	(305) 238-8525	PRIVATE TRANSPORTATION	SN71
18019	SALAZAR	AMADO	9421 EASTER RD CUTLER BAY-33157	(305) 251-9722	STANDARD TRANSPORTATION	SN71
18364	AGURTO	SERGIO	21215 SW 85 AVE -308 CUTLER BAY-33189	(305) 259-6082	STANDARD TRANSPORTATION	SN71
18827	HOLLER	KAYLEE	9320 MARTINIQUE DR CUTLER BAY-33189	(305) 951-9818	PRIVATE TRANSPORTATION	MM09
19288	WIGGER	LEE	9891 SW 221 TERRACE MIAMI-33190	(305) 254-5489	PRIVATE TRANSPORTATION	MM21
19730	VAZQUEZ	MIRTA	8160 SW 210 ST -107 Miami-33189	(305) 258-0772	LIFT GATE VEHICLE (WHEELCHAIR)	SN71
19898	ANDERSON	DAVID	19218 SW 92ND RD CUTLER BAY-33157	(305) 252-7905	STANDARD TRANSPORTATION	SN71
20273	GREENE	ROBERT	10380 SW 200 TERR MIAMI-33189	(305) 378-4136	AMBULANCE (BLS)	MM29
30381	MAS	MICHELLE	8057 SW 185 STREET CUTLER BAY-33157	(305) 253-8192	LIFT GATE VEHICLE (WHEELCHAIR)	MM09
30687	ALVAREZ	ISSAC	11120 SW 166 ST -B104 CUTLER BAY-33157	(305) 213-7537	PRIVATE TRANSPORTATION	MM09
30913	HASNI	NASEEM	6001 SW 156 TERR CUTLER BAY-33157	(305) 235-4595	AMBULANCE (ALS)	MM09
30962	WALKER	KENNETH	19630 CUTLER COURT CUTLER BAY-33189	(305) 253-1633	PRIVATE TRANSPORTATION	SN71
30984	SANTAMARIA	SARA	21215 SW 85 AVENUE -420 CUTLER BAY-33189	(305) 254-8977	STANDARD TRANSPORTATION	SN71
31044	LASHLEY	STANLEY	18667 SW 85 CT -1 CUTLER BAY-33157	(305) 228-4073	STANDARD TRANSPORTATION	SN71

Project #16

Work with Miami-Dade County Emergency Management on identifying vulnerable populations for evacuations

- Current Bus Pickup Points

	LOCATION	ADDRESS	CITY	ZIP CODE	EVAC ZONE	VICINITY	Status	MAP	COMMENTS (indicate "OK" if no problems)
3	EAST RIDGE RETIREMENT VILLAGE	SW 193 TE & SW 87 AV	CUTLER BAY	33157	A	SOUTHWEST	KEEP	SW9	OK New location Bus Stop (Cove Apartments) 21121-21133 SW 85 Avenue
8	COVE APARTMENTS (NEW LOCATION)	21121 -21133 SW 85 AV	CUTLER BAY	33189	A	SOUTHWEST	KEEP	SW13	
43	CUTLER RIDGE PARK	10100 SW 200 ST	CUTLER BAY	33157	B	SOUTHWEST	KEEP	SW8	OK
50	FRANJO PARK	20175 FRANJO RD	CUTLER BAY	33189	B	SOUTHWEST	KEEP	SW13	OK
51	SOUTHLAND MALL (SOUTHSIDE)	10850 SW 211 ST	CUTLER BAY	33189	B	SOUTHWEST	KEEP	SW13	OK



Project #17



Work with Miami-Dade County Emergency Management and state and federal governments to protect vulnerable critical facilities

- ***Project Description:*** protecting critical facilities which operate as either evacuation centers or pump flood waters, or sewage should be protected from flood damage so they perform without interruption.
- ***Project Benefits:*** Reduces potential damage to critical facilities.
- ***Status:*** Critical facilities, located within the Town, are up to date with Miami-Dade County and have filed their Emergency Procedures with Miami-Dade County EOC. The Town has proposed “Hardening” improvements to Town Hall via State Legislative Item #2016-08, Cutler Bay Town Hall/EOC Hardening Project. The Town held Kick-Off Meeting on May 23, 2016 with TLC Engineering and issued P.O. 01147 and a Notice to Proceed. Concept & Design Phase (100% complete). **Ongoing Project.**

Project #17

Work with Miami-Dade County Emergency Management and state and federal governments to protect vulnerable critical facilities

- Current list of critical facilities, as of 2019.

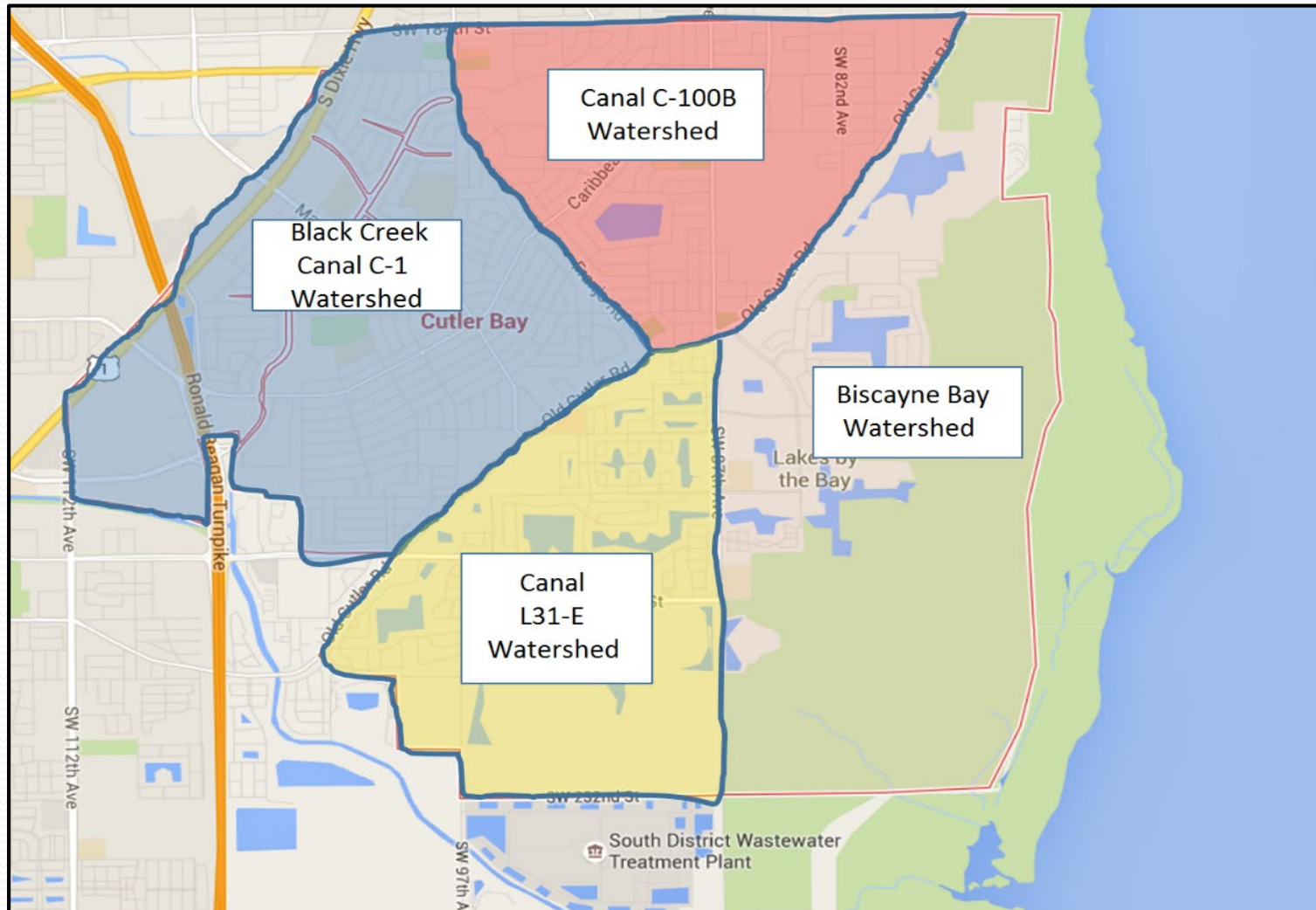
 CRITICAL FACILITIES 		
AREA SCHOOLS		
Location	Address	Phone No.
Bel-Aire Elementary	10205 SW 194th Street	(305) 233-5401
Cutler Ridge Elementary	20210 Coral Sea Road	(305) 235-4611
Cutler Ridge Middle	19400 Gulfstream Road	(305) 235-4761
Gulfstream Elementary	20900 SW 97 Avenue	(305) 235-6811
Our Lady of the Holy Rosary (Private)	9500 SW 184 Street	(305) 234-5442
Whigham Elementary	21545 SW 87 Avenue	(305) 234-4840
Whigham Learning Facility	8035 SW 196 Street	(305) 252-5050
Whispering Pines Elementary	18929 SW 89 Road	(305) 238-7382
ASSISTED LIVING FACILITIES		
Bel Aire Retirement Home	9955 SW 196 Street	(305) 338-8047
Bel-Air ALF II Inc.	19431 Franjo Road	(305) 283-8680
Bel-Air ALF Inc.	8830 Caribbean Blvd	(305) 255-8737
Bella Luna Retirement Home	18700 SW 93 Court	(305) 969-7482
Bel-View ALF Corp	19768 Bel-Aire Drive	(786) 306-9441
Bertha Elderly Care	10051 Haitian Drive	(305) 235-3636
Bertha Elderly Care #2	10411 SW 200 Terrace	(305) 259-9242
Best ALF	19010 Bel-Aire Drive	(828) 361-1766
Blue Point Home Care	21910 SW 97 Court	(305) 971-5826
Caribbean ALF	9860 Caribbean Blvd.	(305) 562-7971
East Ridge Retirement Village	19301 SW 87 Avenue	(305) 238-2623
Genesis Care Centers	8395 SW 187 Terrace	(305) 859-7509
Good Time Home Care	8640 SW 185 Street	(305) 252-9419
Guardian Angel ALF	10265 Nicaragua Drive	(786) 344-3318
Harmony Family Home	9245 SW 208 Terrace	(786) 242-5577
Kenneth Home Inc.	9760 Memorial Road	(305) 278-1351
Living Well Alf	21280 Old Cutler Road	(305) 431-2586
Marlin Retirement	20610 Marlin Road	(786) 216-3839
Nuestro Hogar ALF, Inc.	9384 SW 184 Terrace	(786) 252-6818
Old Cutler Retirement Home	21640 Old Cutler Road	
Paradise Villa	21164 SW 92 Place	(305) 971-6477
Precious Moments ALF	9480 Dana Road	(786) 925-9518

Project #20– Develop a Watershed Master Plan

New Project: Develop a Watershed Master Plan.

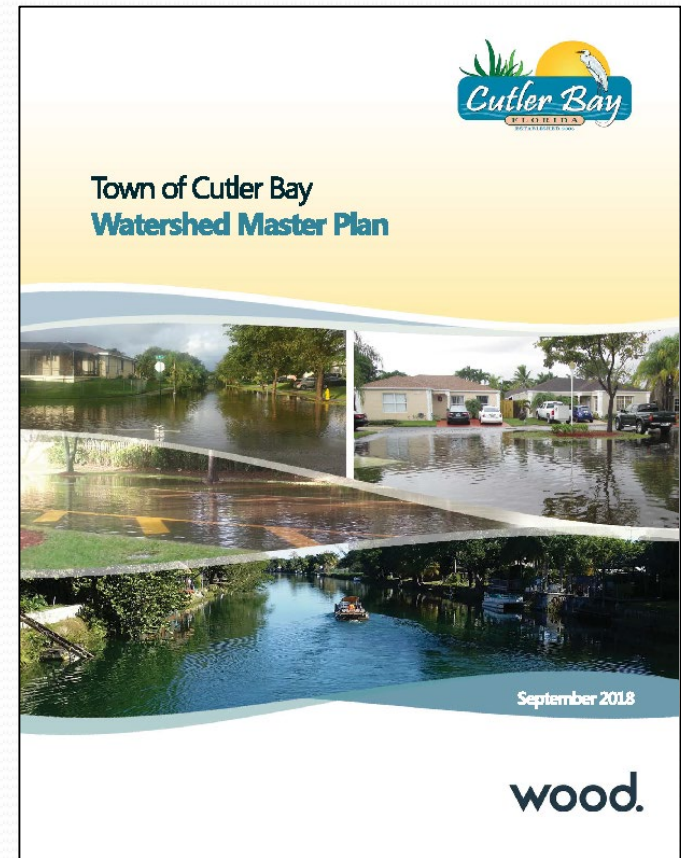
- ***Project Description:*** The objective of a Watershed Master Plan is to provide Cutler Bay with a tool it can use to make decisions that will reduce the increased flooding from development on a watershed-wide basis.
- ***Project Benefits:*** If stormwater runoff is only evaluated on individual parcels, the collective impact of flooding from all of those sites can be greater. Stormwater management regulations can reduce the future flood threat from a developing area, but a Watershed Master Plan goes further in predicting the rainfall/runoff relationships within the watershed, and in locating existing problems and identifying potential future problems.
- ***Status:*** Project was identified during a series of two (2) public meetings. **The Watershed Master Plan was adopted at the January 2019 Council Meeting. The Ordinance to adopt the Stormwater Manual Management Regulations and Facilities Inspection Program to the Watershed Master Plan was adopted on April 17th, 2019.**
- ***Funding source(s):*** Stormwater Utility Fund. **Ongoing Project.**

Project #20– Develop a Watershed Master Plan



Project #20– Develop a Watershed Master Plan

- To qualify under the CRS, a Watershed Master Plan must include the following criteria at a minimum:
 - Evaluate future conditions and long-duration storms
 - Evaluate the impact of sea level rise and climate change
 - Address the protection of natural channels
 - Provide a dedicated funding source for the implementation of the plan
 - Incorporate sea-level rise



CONGRATULATIONS!!!!

- The Town of Cutler Bay has achieved receiving a CRS Class 4 Rating effective October 1, 2019







Town Attorney
Mitchell A. Bernstein

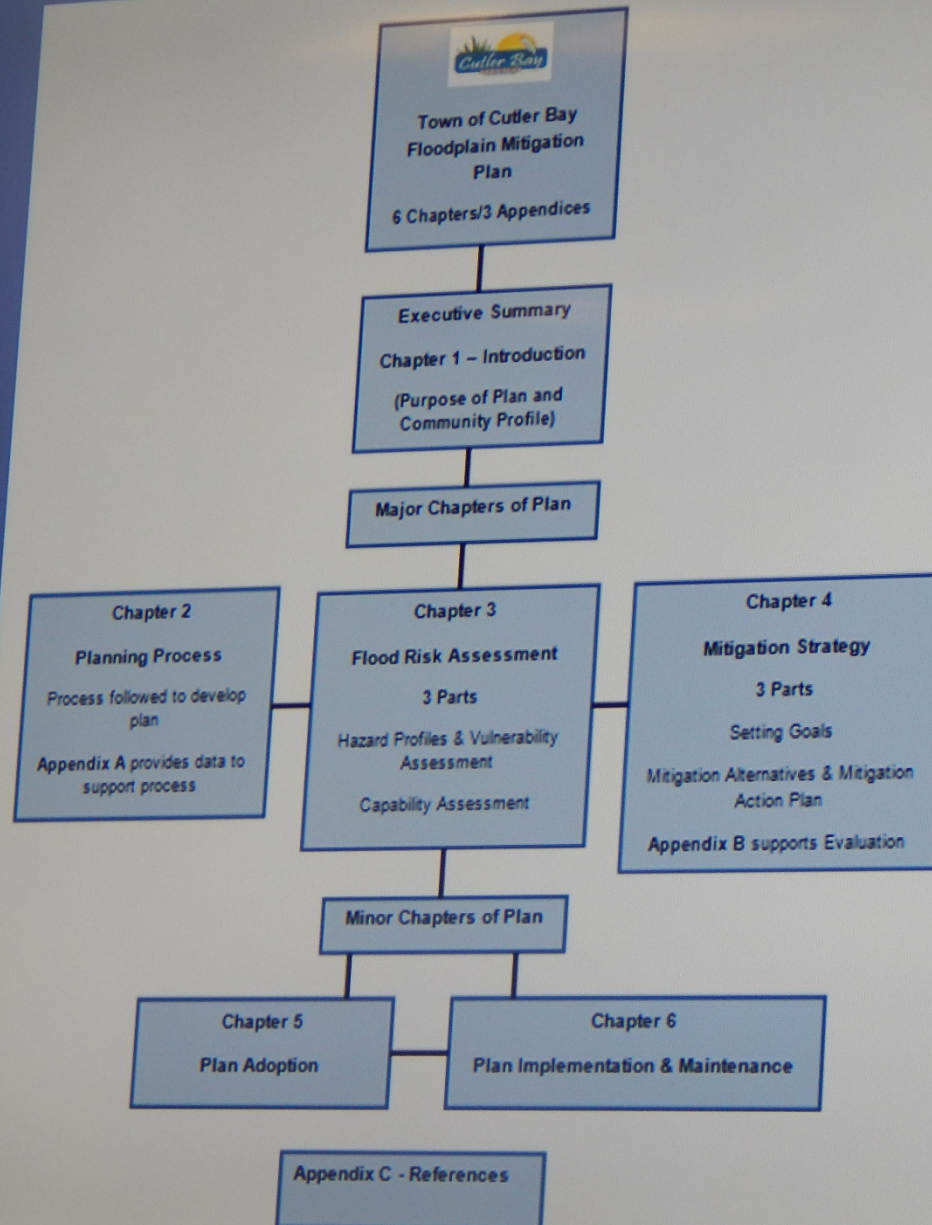
Councilmember
Mary Ann Miller

Councilmember

Mayor

Vice Mayor

Councilmember
Joe Ellen Loggia









Florida's NFIP State Coordinating Office Regional Engagement Community Assistance Visit



PLENARY AND COMMUNITY ASSISTANCE VISIT REPORT

Town of Cutler Bay, Florida

May 20, 2019

These 16 communities participated in the Plenary session and Concurrent CAV meetings:

City of Coral Gables	Village of Key Biscayne	City of Miami Springs	Village of Virginia Gardens
Town of Cutler Bay	Town of Medley	Village of Palmetto Bay	
City of Doral	City of Miami	Village of Pinecrest	
Village of El Portal	Miami-Dade County	City of South Miami	
City of Homestead	City of Miami Beach	City of Sweetwater	

State Floodplain Management Office
Bureau of Mitigation
Florida Division of Emergency Management



COMMUNITY RATING SYSTEM

VERIFICATION REPORT

Town of Cutler Bay, FL

NFIP Number: 120218

Date of Verification Visit: May 9, 2019

Verified Class 4

Modification

This Verification Report is provided to explain the recommendations of Insurance Services Office, Inc. (ISO) to DHS/FEMA concerning credits under the Community Rating System (CRS) for the above named community. The modified activity elements are shown in bold text within the activity statement.

A total of 139 credit points are verified for this modification. Along with the 3054 points previously verified, the community now has a total of 3193 credit points. This modification results in a recommendation that the community improve from a CRS Class 5 to a CRS Class 4. The community has met the Class 4 prerequisite. See Attachment for Class 4 Prerequisite summary. The following is a summary of our findings based on the submitted modification with the total modified points noted in parenthesis:

Activity 310 – Elevation Certificates: The Town of Cutler Bay's Building Division maintains elevation certificates for new and substantially improved buildings. Copies of elevation certificates are made available upon request. Elevation certificates are also kept for post-FIRM buildings. (39 points)

Activity 320 – Map Information Service: Credit is provided for furnishing inquirers with basic flood zone information from the community's latest Flood Insurance Rate Map (FIRM). Credit is also provided for the community furnishing additional FIRM information, information about problems not shown on the FIRM, and historical flood information. (90 points)

Activity 330 – Outreach Projects: Credit is provided for informational outreach projects that include, general outreach projects, and targeted outreach projects. These projects are disseminated annually. Credit is also provided for having a pre-flood plan for public information. Credit is enhanced by having a Program for Public Information (PPI), and by having the information disseminated by stakeholders outside the local government. (332 points)

Activity 340 – Hazard Disclosure: Credit is provided for state regulations requiring disclosure of flood hazards. (10 points)

Activity 350 – Flood Protection Information: Documents relating to floodplain management are available in the reference section of the Miami-Dade County Public

Library. Credit is also provided for floodplain information displayed on the community's website. Credit is enhanced by having a PPI. (106 points)

Town of Cutler Bay, FL
NFIP #: 120218

Page 2

Activity 360 – Flood Protection Assistance: Credit is provided for offering one-on-one advice regarding property protection and making site visits before providing advice. Credit is also provided for giving advice on financial assistance programs and advisor training at appropriate EMI courses. Credit is enhanced by having a PPI. (85 points)

Activity 420 – Open Space Preservation: Credit is provided for preserving approximately 44 percent of the Special Flood Hazard Area (SFHA) as open space and preserving open space land in a natural state. Credit is also provided for regulations and incentives that minimize development in the SFHA. (776 points)

Activity 430 – Higher Regulatory Standards: Credit is provided for enforcing regulations that require freeboard for new and substantial improvement construction, cumulative substantial improvement, lower substantial improvement, protection of critical facilities, enclosure limits, and local drainage protection. Credit is also provided for the enforcement of building codes, a BCEGS Classification of 3/2, other higher standards, state mandated regulatory standards, and regulations administration. (453 points)

Activity 440 – Flood Data Maintenance: Credit is provided for maintaining and using digitized maps in the day to day management of the floodplain. Credit is also provided for establishing and maintaining a system of benchmarks and maintaining copies of all previous Flood Insurance Rate Maps and Flood Insurance Study Reports. (150 points)

Activity 450 – Stormwater Management: The community enforces regulations for stormwater management, low impact development, soil and erosion control, and water quality. Credit is also provided for watershed master planning. (174 points)

Section 502 – Repetitive Loss Category: Based on the updates made to the NFIP Report of Repetitive Losses as of May 31, 2016, the Town of Cutler Bay, FL has 32 repetitive loss properties and is a Category B community for CRS purposes. The community is required to submit either a Repetitive Loss Area Analysis or Floodplain Management Plan. (No credit points are applicable to this section)

Activity 510 – Floodplain Management Planning: Credit is provided for the adoption and implementation of the Town of Cutler Bay, Florida Floodplain Management Plan May 2015 adopted on May 1, 2016. A progress report must be submitted on an annual basis. An update to the credited plan will be due by October 1, 2021. Credit is also provided for the adoption and implementation of a Natural Floodplains Functions Plan. (384 points)

Activity 540 – Drainage System Maintenance: All of the community's drainage system is inspected regularly throughout the year and maintenance is performed as needed. Credit is also provided for listing problem sites that are inspected more frequently, and for implementing an ongoing Capital Improvements Program. The community enforces a regulation prohibiting dumping in the drainage system, and annually publicizes the regulation or has appropriate signs posted. (345 points)

Activity 610 – Flood Warning and Response: Credit is provided for a program that provides timely identification of impending flood threats, disseminates warnings to appropriate floodplain residents, and coordinates flood response activities. (249 points)

Activity 710 – County Growth Adjustment: All credit in the 400 series is multiplied by the growth rate of the county to account for growth pressures. The growth rate for Miami-Dade County, FL is 1.07.

Attached is the Community Calculations Worksheet that lists the verified credit points for the Community Rating System.

CEO Name / Address:

Rafael Casals
Town Manager
10720 Caribbean Boulevard, Suite 105
Cutler Bay, Florida 33189

CRS Coordinator Name / Address:

Alfredo Quintero Jr.
Public Works Director
10720 Caribbean Boulevard, Suite 105
Cutler Bay, Florida 33189
(305) 234-4262

Date Report Prepared: May 9, 2019



From: "Harper, Sherry" <SHarper@verisk.com>
Date: 5/13/19 10:29 AM (GMT-05:00)
To: Alfredo Quintero <aquintero@cutlerbay-fl.gov>, "Stroud, David A" <david.stroud@woodplc.com>
Subject: CRS Classification Modification - Cutler Bay FL

Congratulations! Please find attached the DRAFT Verification Report regarding the Town of Cutler Bay's 2019 Community Rating System Modification. The preliminary results show that your community improved from a CRS Class 5 to a Class 4 rating in the program. **Your Class 4 will be effective October 1, 2019.** Your residents will see this discount upon any new flood insurance policy or policy renewal on or after October 1, 2019.

Questions?

Please contact the Public Works Department at (305)234-4262 or by email at the following:

Alfredo Quintero, Public Works Director

aquintero@cutlerbay-fl.gov

Yenier Vega, Stormwater Utility Manager

yvega@cutlerbay-fl.gov