



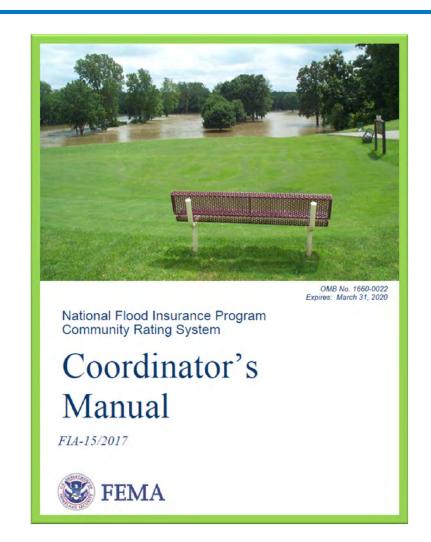


### **Special Thanks**

- Earl King, CRS Max Consultants
- Ralph Wall, City of West Palm Beach

## What is the CRS Program?

- CRS = Community Rating System
- Administered by FEMA's National Flood Insurance Program (NFIP)
- In Florida Administered by the Florida Department of Emergency Management (FDEM)
- VOLUNTARY recognizes and encourages communities that exceed the requirements as outlined by the NFIP



# What is the Official Mission of The CRS Program?

- Reduce flood damage to insurable property
- 2. Strengthen and support the insurance aspects of the NFIP
- 3. Encourage comprehensive floodplain management



#### Benefits to Communities for Participating

- Reduced flood insurance rates for high risk flood risk areas
- Enhanced ability to apply for FEMA grants
- All of the benefits that can be connected to reducing flooding and having good floodplain management practices
  - Health and safety
  - Reduced property damage
  - Improved ecology and water quality
  - Increasing adaptive capacity
- It is a POSITIVE story to tell the press and stakeholders

#### Schedule for Insurance Discounts

CRS Class	Credit Points	Premium Reduction	
		In SFHA	Outside SFHA
1	4500+	45%	10%
2	4000 - 4499	40%	10%
3	3500 - 3999	35%	10%
4	3000 - 3499	30%	10%
5	2500 - 2999	25%	10%
6	2000 - 2499	20%	10%
7	1500 - 1999	15%	5%
8	1000 - 1499	10%	5%
9	500 - 999	5%	5%
10	0 - 499	0%	0%

Preferred Risk Policies are not eligible for CRS premium discounts because they already have premiums lower than other policies. Preferred Risk Policies are only available in B, C and X zones for properties that are shown to have a minimal risk of flood damage.

Some minus-rated policies may not be eligible for CRS premium discounts.

Premium discounts are subject to change.

https://www.nassaucountyfl.com/782/Community-Rating-System-CRS

#### **FEMA Knows Rivers**

- Understandably, FEMA's paradigm is riverine systems in areas with greater topographic relief
- Some Proof:
  - FEMA Nomenclature, Modeling Paradigms
    - -FEMA has fewer reviewers that understand Florida's de-ranged and blended hydrology versus riverine hydrology
    - Activity 410: Under the CRS Program, you only receive specific mapping points for RAISING base flood elevations regardless of methodology

# A Sampling of the Highest CRS Ratings in the US (2016)

- Roseville, California (1)
- Fort Collins, Colorado (2)
- Tulsa, Oklahoma (2)
- Ocala, Florida (3)
- Thurston County, Washington (2)
- Pierce County, Washington (2)
- King County, Washington (2)
- Highest Coastal Rating in Florida = Class 5

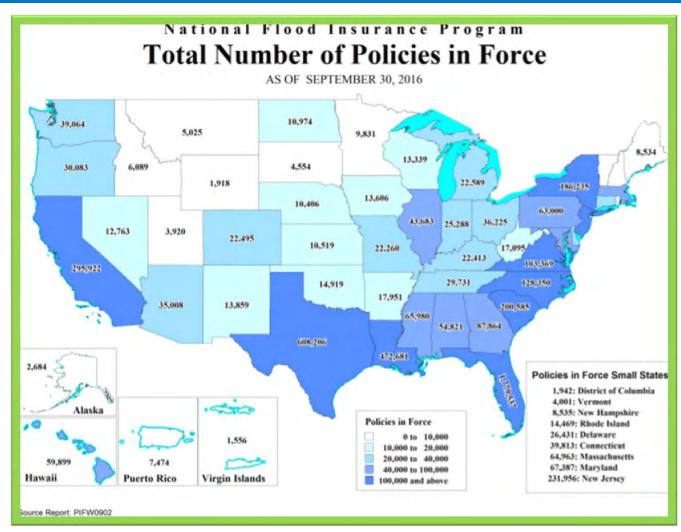
### Meanwhile in Florida...



#### Florida Carries The NFIP

By three times any other state...

1,779,537 policies in Florida



#### We Have Our Own Hydrology and Challenges





- Prerequisites for ratings beyond a Class 5 are virtually impossible to achieve in some coastal communities
  - Set by a small group of hydrologists outside the southeast
- Activity 450:

under Activity 420 (Open Space Preservation).

- (b) Activity 450 (Stormwater Management)—The community must receive the following credits for its watershed management plan(s) (WMP) under Section 451.b:
  - (i) WMP1: 90 points (before the impact adjustment) for meeting all of the credit criteria for WMP,
  - (ii) WMP2: 30 points (before the impact adjustment) for managing the runoff from all storms up to and including the 100-year event to ensure that flood flows downstream of new development do not increase due to the development, and
  - (iii) An impact adjustment value of rWMP = 0.5 or more. Alternatively, the community may show that at least 50% of the watershed area where future growth is expected is covered by one or more credited watershed management plans.
- (c) Activity 510 (Floodplain Management Planning)—The community must have adopted and be implementing a floodplain management plan that receives at least 50% of the maximum credit under Activity 510, calculated after the impact adjustment. This 50% of the maximum credit must include at least 50% of the available points in each of planning steps 2, 5, and 8.

(4) Obtain a minimum total credit of 100 points (after the impact adjustment) from one or

#### Coastal Class 5's in Florida

- Miami-Dade County
- Volusia County
- City of West Palm Beach
- Lee County
- Pinellas County
- City of St. Pete
- St. Johns County
- Sarasota County
- City of Sanibel
- Santa Rosa County
- City of Punta Gorda
- City of Port Orange
- Town of Ponce Inlet

- City of Palm Coast
- Palm Beach County
- Okaloosa County
- Town of Miami Lakes
- City of Marco Island
- Manatee County
- Town of Longboat Key
- Hillsborough County
- Hernando County
- City of Dunedin
- Collier County
- Citrus County
- Charlotte County
- City of Cape Coral
- Bay County
- City of Anna Maria

 Many of our Florida coastal communities are HISTORICAL and addressing flooding is more challenging



- Our flood maps are flawed some more than others
- The CRS Program relies on our maps down to the parcel level

- Sometime the program doesn't align to where our biggest burning coastal issues are at the moment
  - Sea level rise is only mildly and loosely addressed
  - The program does not align with other significant regulatory pressures – like your MS4 permit
  - Many aspects of our Florida stormwater programs are not included and other non-Florida issues are emphasized

### **Extensive** Cooperation is Required



Photo Credit: Fernleaf Interactive/West Palm Beach

- Utilities
- Engineering
- Public Works
- GIS/IT
- Emergency Planning
- NPDES Coordinators

- Floodplain Manager
- Elected Officials
- Police and Fire
- Sustainability
- Legal
- 0&M

- Building Officials
- Planning
- Police and Fire
- Administration
- Historical Planners
- Customer Service

### What To Do?

And Other Voluntary Programs CRS

Regulatory Requirements

Data & Staff Alignment

**Specific Goals & Objectives** 

**Guiding Mission/Tough Conversations** 

### What To Do?

- Remain tuned in to this conversation
  - FDEM is "working on this"
  - Next Manual in 2020
- Spend time to understand your goals as a stormwater program at a higher level
- Remember that good floodplain management and analysis are always the best thing to do

