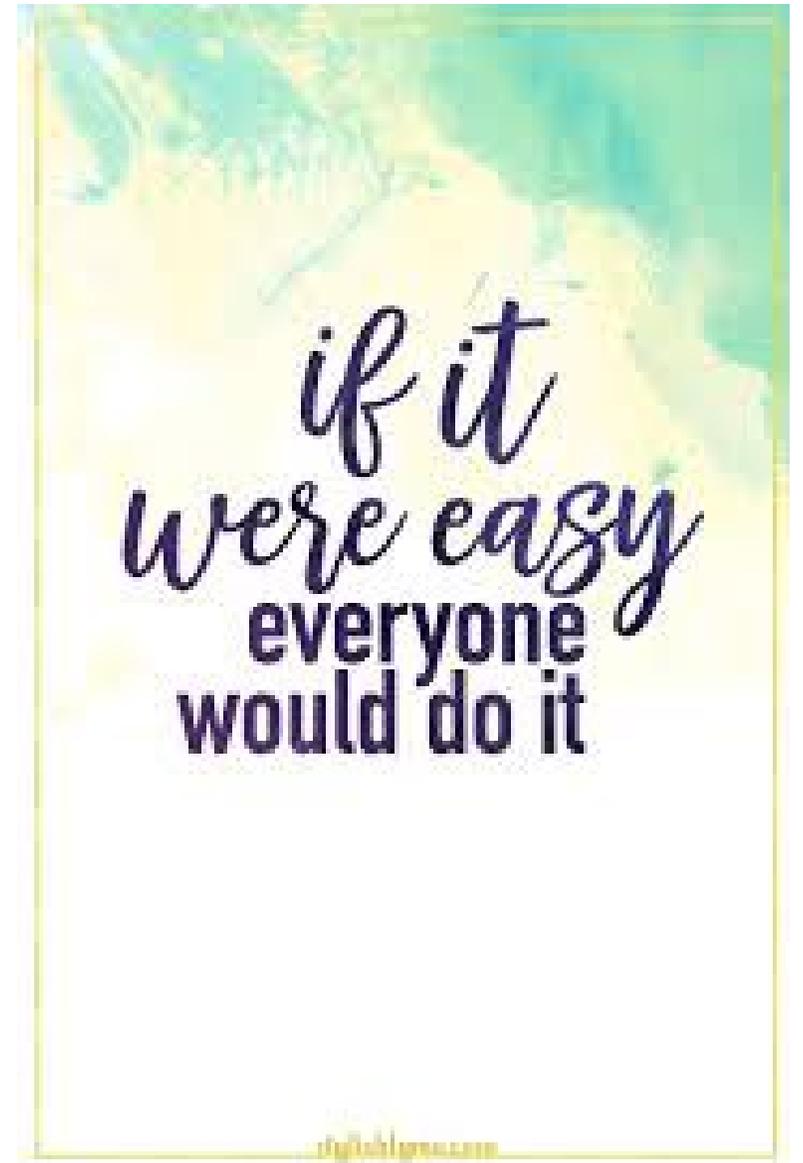
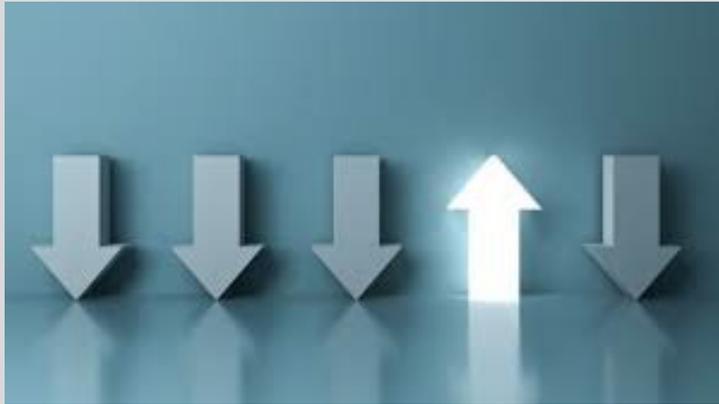


# CRS SUBMITTALS & RECENT CHANGES

ORGANIZING YOUR SUBMITTAL TO  
MAXIMIZE CRS CREDIT

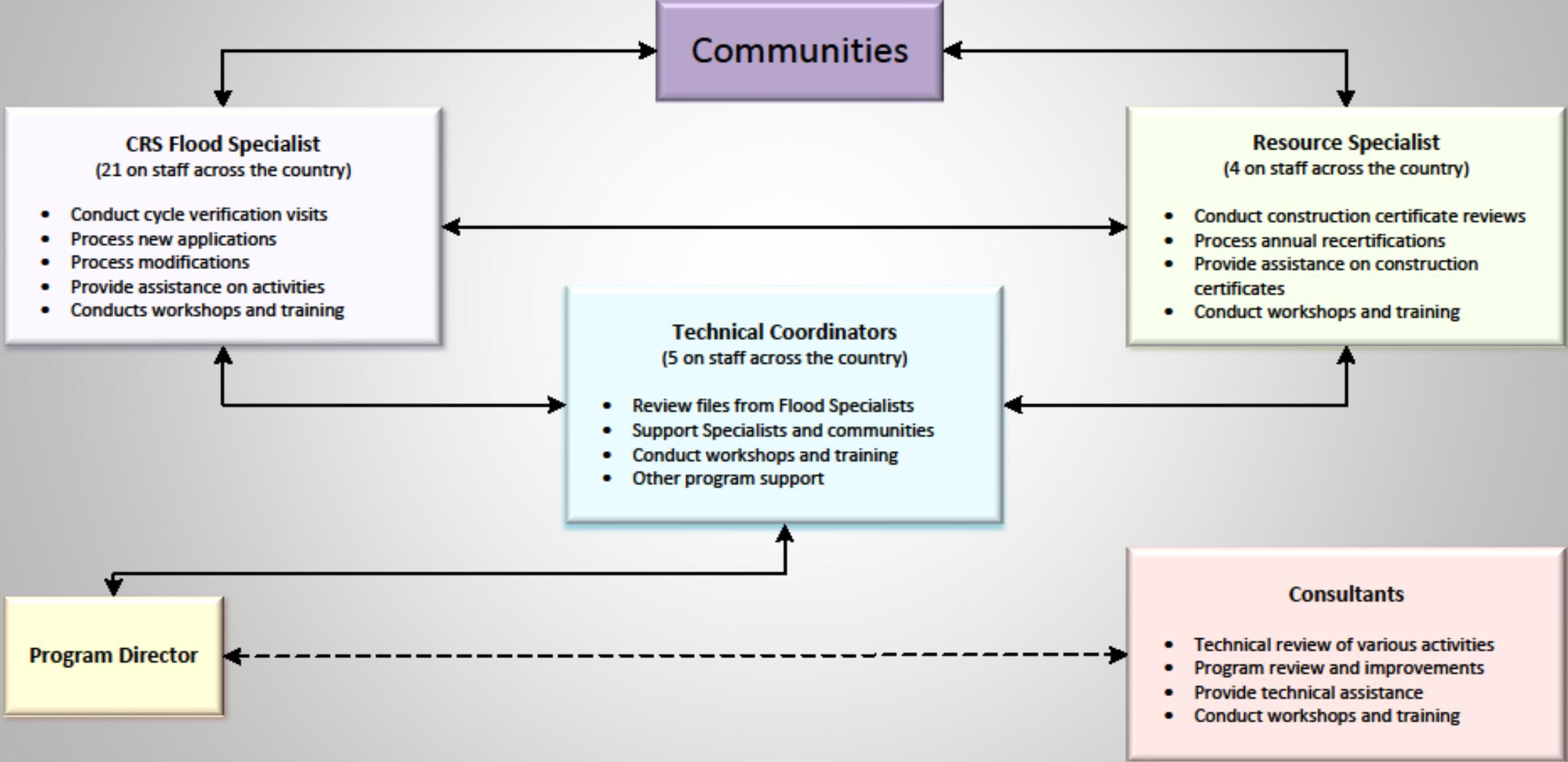


# ON TAP FOR TODAY...



- **Who Are My ISO/CRS People?**
- **Recent Changes**
- **Importance of an organized submittal**
- **Best Practices**
- **Don't Miss Out on Points**

# CRS Program



## WHO ARE MY ISO/CRS PEOPLE??

### ISO/CRS Flood Specialist—Cycle Verification (and modification requests)

- **Every 3-5 years after initial application**
- **Excellent resource for CRS Program activity/element questions**

### ISO/CRS Resource Specialist— Yearly Recertifications

- **Every year, either full recertification or annual construction certificate review (CC)**

**TX ISO/CRS  
CONTACTS**

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**CRS Flood Specialist—**

**Stephanie Weeks:**

**[Stephanie.Weeks@verisk.com](mailto:Stephanie.Weeks@verisk.com)**

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**CRS Resource Specialist—**

**Scott Laporte:**

**[Scott.Laporte@verisk.com](mailto:Scott.Laporte@verisk.com)**

# RECENT CHANGES

- Permits and Elevation Certificates will be reviewed annually, instead of only at Cycles.
- Class 9 Prerequisite:
  - Receive credit for Construction Certificate Management Procedures.
  - Achieve 90% accuracy on the annual CC review.
- Class 8 Prerequisite:
  - Must adopt and enforce at least 1-foot freeboard for all residential buildings, including existing manufactured home parks.

## **New Activities**

- Natural Floodplain functions plan (NFP): adoption of plans that protect one or more natural functions within the community's SFHA.
- Substantial Damage management plan: (SDP): credit for a community plan to prepare for substantial damage estimates and determinations after a flood event.

## TIPS FOR A SUCCESSFUL SUBMITTAL

- Use your resources
  - CRSResources.org
  - Manual
  - Addendum
- Be sure to check both the **credit criteria** and the **documentation sections** to ensure credit applied for is applicable.
- Submit only pertinent sections of documentation needed for review. Files submitted should be in an electronic (pdf) format with folders organized by activity number
  - 310 CCMP
  - 320 MI
  - 330 OP
- Please do not insert folders inside of folders or provide read only or protected documents as the Specialist needs to mark up each pdf file to show where credit is awarded.

# USING THE MANUAL/ADDENDUM



National Flood Insurance Program  
Community Rating System

## Coordinator's Manual



FEMA

### Flood Protection

#### Example 533.b-1.

Using the same 29 buildings in Example 532.c-1, in a community with a relatively small number of buildings in the SFHA, 125.

$$PB = 22.72, \text{ bSF} = 125$$

$$c530 = 16 \times \frac{PB \times 100}{\text{bSF}}$$

$$= 16 \times \frac{22.72 \times 100}{125} = 16 \times \frac{2,272}{125} = 16 \times 18.18 = 290.82$$

### 534 Documentation Provided by the Community

(1) At each verification visit,

- (a) [For elevation projects] Copies of the Elevation Certificate for each elevated building.
- (b) [For retrofitting projects other than elevation] A list of all buildings for which credit is requested and a signed Community Certification for Retrofitted Buildings (CC-530).
- (c) [For structural flood control projects]
  - (i) The level of flood protection for each building to be credited, both before and after the project was installed or constructed.
  - (ii) [For buildings protected by a reservoir, detention basin, retention pond, or other facility that stores water above ground] A letter from the state dam safety office stating that the structure meets all state dam safety requirements. If there is no state dam safety office, then a registered design professional must certify that the project meets all appropriate dam safety criteria.
- (d) A map showing the location of all protected buildings for which credit is being requested. This map is not necessarily the same as the Impact Adjustment Map prepared pursuant to Section 403. It need only show the part of the community in which buildings have been protected. The map for this activity does not need to show lot boundaries, unless the same map is used for Activity 520 (Acquisition and Relocation).
- (e) Documentation of the implementation date for each project for which new credit is requested. A project is the building or group of buildings acquired or relocated within the same grant award, contract, or scope of work. A completed CC-530EHP, Certification of Compliance with Environmental and Historic Preservation for Flood Protection Projects, is needed for projects implemented after the implementation date of the 2013 *Coordinator's Manual* (see Section 507). The form can be found in Appendix F or at [www.CRSresources.org/200](http://www.CRSresources.org/200).

# DIGITAL FOLDER ORGANIZATION



 230	 430
 310	 440
 320	 450
 330	 501
 420	 510

**Submit early!!**

## HOW TO SUBMIT

**Prefer digital submission-if using an FTP,  
community must send link to Specialist**

- **FTP**
- **Dropbox**
- **OneDrive**
- **Other file transfer protocol sites**
- **Mail flash drive/USB (no CDs—our laptops do not have CD ROMs)**

**Hard copy submissions**

- **Mail—Specialist's address on top of Meeting Notice/Crosswalk or ask Specialist for address**

# NEW RESOURCES



CRS Submit is a web-based tool that allows communities to easily provide their ISO/CRS Specialist with the documentation necessary for their participation in the CRS.



CRSViz.com allows the public to search and visualize data connected to the Community Rating System.



## Fort Worth, City Of (TX)

# 480596 ⌚ Pending ✉ Contact ISO / CRS specialist

[Dashboard](#) Fort Worth, City Of: [Welcome](#)

### Welcome to CRS Submit

CRS Submit is a web-based tool that allows communities to easily provide their ISO/CRS Specialist with the documentation necessary for their participation in the CRS. It is designed to work in conjunction with your specialist and the [CRS Coordinator's Manual](#)

### Verification: Pending

In this section you can navigate through the CRS Activities and Elements to upload the documentation for your submittal package. If you have questions along the way, please don't hesitate to contact your ISO/CRS Specialist for guidance.

[Go to submission](#)

### PROGRESS TRACKER

## Step 3/6

- 1 Account Created
- 2 Submittal Process Started
- 3 Document upload in progress
  - Elements Pursued 22
  - Elements Completed 20
  - Elements In Progress 2
- 4 Documents Submitted for Review
- 5 Verification Unlocked. Additional Documents Required
- 6 Verification Complete

#### Latest activities

- Stephanie Weeks**  
2/18/23 9:08 AM  
Login to FORT WORTH, CITY OF
- Stephanie Weeks**  
2/18/23 9:00 AM



# CRS Submit



## Fort Worth, City Of (TX)

Final Submit

# 480596 Pending Contact ISO / CRS specialist

[Dashboard](#) Fort Worth, City Of: [Submission](#)

Search by Element Name or Acronym

### KEY TO STATUS SYMBOLS



IN PROGRESS



ADDED TO SUBMISSION



NOT PURSUING

### 200 PROCEDURES

### 300 PUBLIC INFORMATION ACTIVITIES

310 Elevation Certificates

320 Map Information Service

#### 330 Outreach Projects

OP Outreach Projects

**FRP** Flood Response Preparations

PPI Program for Public Information

STK Stakeholder Delivery

340 Hazard Disclosure

350 Flood Protection Information

360 Flood Protection Assistance

370 Flood Insurance Promotion

### 400 MAPPING AND REGULATIONS

### 500 FLOOD DAMAGE REDUCTION

### 600 WARNING AND RESPONSE

### FRP Flood Response Preparations

FRP credits developing a pre-flood plan for public information projects that will be implemented during and after a flood. A flood response preparations package is a collection of outreach projects prepared in advance, but not delivered until a flood occurs. These materials may include templates and masters of handouts, mailers, press releases, etc. that cover key messages that need to be disseminated before, during, and after a flood. The package must include both the materials that will be needed and the procedures for how they will be used.

Jump to Section of Manual

CRS Coordinator's Manual

#### More Helpful Resources

[Outreach Project Credit Worksheets](#)

[Flood Response Preparations Project \(FRP\) Credit Worksheet](#)

1

Elect to Pursue

2

Verify Eligibility

3

Upload Documents

4

Review Uploads

5

Complete

To pursue this element, click "Begin Element" below. On the screens that follow, you'll be asked to verify your community's eligibility and upload relevant documents. If you do not intend to pursue this element, simply click "Not Pursuing". If you're unsure whether to pursue this element, simply move on to another element using the navigation to the left.

Not pursuing

Begin element



# CRS Data Visualizations

CRSViz.com allows the public to search and visualize data connected to the Community Rating System.



### State Profiles

UPDATED: OCTOBER 2022

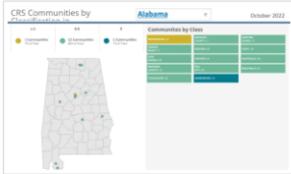
Over 3.5 million policyholders participate in CRS communities that implement activities exceeding the minimum NFIP requirements. Although CRS communities represent only 5% of the over 22,000 communities participating in the NFIP, more than 65% of all flood insurance policies are written in CRS communities.



### CRS Participation

UPDATED: OCTOBER 2022

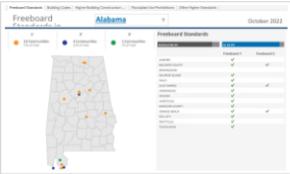
Over 1,500 communities participate in the Community Rating System (CRS), receiving discounts in flood insurance premiums that range from 5% to 45%. The CRS has ten CRS Classes and premium discounts are based on the community's class.



### CRS Classifications

UPDATED: OCTOBER 2022

CRS classifications range from a Class 1 – 9, representing 45% to 5% in flood insurance discounts.



### Higher Regulatory Standards

UPDATED: OCTOBER 2022

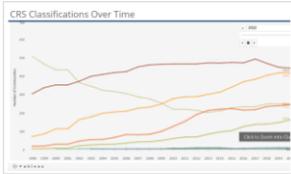
CRS Activity 430 – Higher Regulatory Standards is one of 19 activities where credits are provided for exceeding minimum national standards of the NFIP. It specifically addresses regulations to protect existing and future development and natural floodplain functions.



### CRS Participation by Years

UPDATED: OCTOBER 2022

CRS has experienced continued growth in participation since its inception in 1990. Over 50% of today's participating communities have been enrolled for over 20 years, while 25% have joined in the last 10 years.



### CRS Classes Over Time

UPDATED: OCTOBER 2022

The distribution of CRS classifications has changed over time as more communities join CRS and many improve their classes.

Freeboard Standards | Building Codes | Higher Building Construction ... | Floodplain Use Prohibitions | Other Higher Standards

## Freeboard Standards in Texas

October 2022

0' Communities (7% of Total) | 1' Communities (55% of Total) | 1.5' Communities (15% of Total) | 2' Communities (39% of Total) | 3' Communities (6% of Total)

**Freeboard Standards**

Community	Freeboard 1	Freeboard 2
ARLINGTON	✓	
AUSTIN	✓	
BASTROP COUNTY	✓	
BAYTOWN	✓	
BEAUMONT	✓	
BELLAIRE		
BENBROOK	✓	
BEVIL OAKS	✓	
BRYAN	✓	
CARROLLTON	✓	
CLEBURNE	✓	
COLLEGE STATION	✓	
CONROE	✓	
COOPERAS COVE	✓	
COPPELL	✓	
CORPUS CHRISTI	✓	
DALLAS	✓	
DEER PARK	✓	
DENTON	✓	
DICKINSON	✓	
DUNCANVILLE	✓	
EL LAGO	✓	
EL PASO	✓	
FLOWER MOUND	✓	
FORT WORTH	✓	
FRIENDSWOOD	✓	
GALVESTON	✓	
GARLAND	✓	
GRAND PRAIRIE	✓	
GUADALUPE COUNTY	✓	
HALTOM CITY	✓	
HARRIS COUNTY	✓	✓
HOUSTON	✓	✓

National 88.3% | TX 88.4%

tableau



# AVERAGE CREDIT FOR TX COMMUNITIES

State Profile Summary | CRS Activity Data | Insurance Data

## The CRS in Texas

October 2022

CRS Communities  
**69**

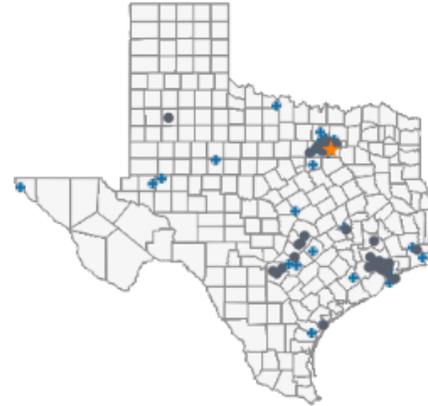
Premiums  
**\$263,436,940**

Policies In Force  
**410,572**

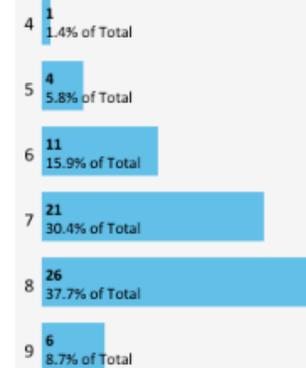
CRS Discount  
**\$30,584,487**

Class

- 1 ★
- 2 ★
- 3 ★
- 4 ★
- 5 ●
- 6 ●
- 7 ●
- 8 +
- 9 +



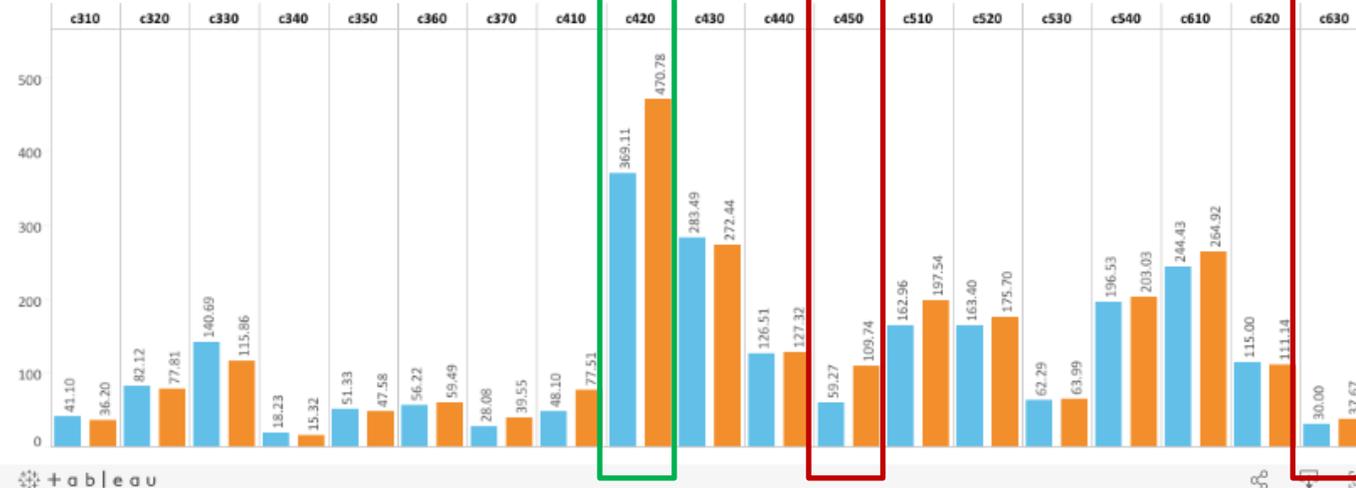
### CRS Communities by Class



### Texas vs. National

Average Credit

Hover for CRS Activity Glossary





# % OF TEXAS COMMUNITIES PURSUING CREDIT

State Profile Summary | CRS Activity Data | Insurance Data

## The CRS in **Texas**

October 2022

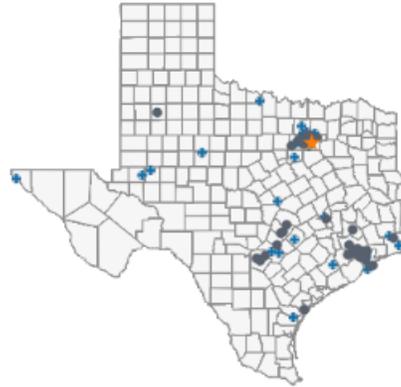
CRS Communities  
**69**

Premiums  
**\$263,436,940**

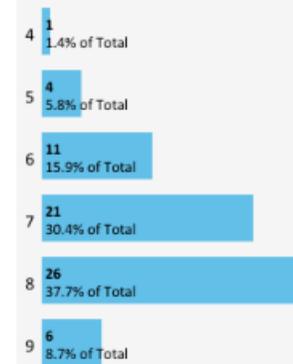
Policies In Force  
**410,572**

CRS Discount  
**\$30,584,487**

- Class
- 1 ★
  - 2 ★
  - 3 ★
  - 4 ★
  - 5 ●
  - 6 ●
  - 7 ●
  - 8 +
  - 9 +



### CRS Communities by Class



### Texas vs. National

% of Communities Pursuing Credit





# COMMONLY MISSED CREDITS

## 420: Open Space Preservation

County or State Land that is located within the community  
Cemeteries and playing fields



# ADDITIONAL CREDITS

## **430 Other High Standards**

- Regulating areas that have been removed via LOMR
- Requiring streets be elevated at or above BFE.
- All buildings must be elevated (no floodproofing allowed)
- Areas outside the SFHA but below BFE are regulated

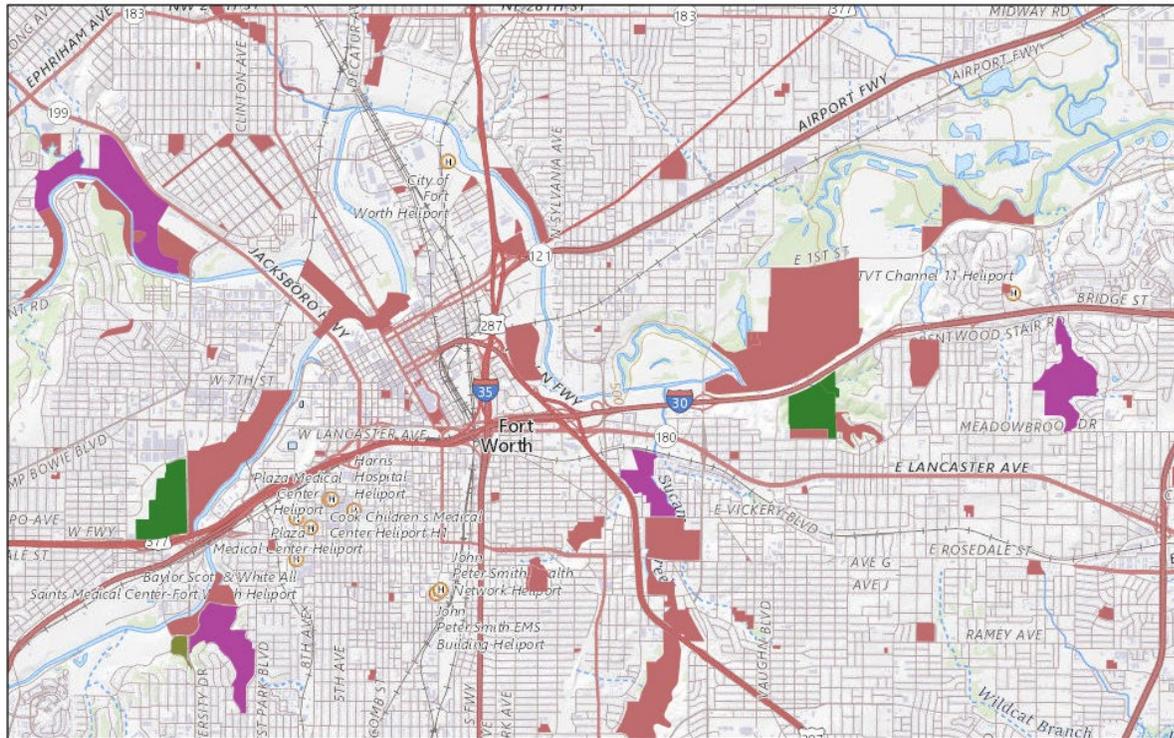
## **420 Natural Shoreline Protection (channels too)**

- Regulations to protect natural stream bank where it still exists.

Need stream length that is subject to regulations AND length of streams that are protected with concrete bank or other armoring

# OPEN SPACE RESOURCES

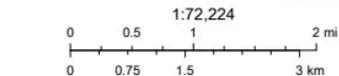
## OPEN SPACE AND COMMUNITY RATING SYSTEM



2/19/2023, 12:59:42 PM

Open Space Preservation Community Rating System - TNC CRS

- Local Park
- Historic or Cultural Area
- Local Conservation Area
- Local Recreation Area



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography

Resilience Analysis and Planning Tool

NOAA/NWS/NHC | NOAA/NWS/CPC and NOAA/NWS/WPC | National Weather Service | NOAA Office for Coastal Management | NOAA/NWS/NWC | This EPA Geospatial data set is generated from the following national environmental program: National Pollutant

- Access Area
- Agricultural Easement
- Approved or Proclamation Boundary
- Area of Critical Environmental Concern
- Conservation Area
- Conservation Easement
- Federal Other or Unknown
- Forest Stewardship Easement
- Historic or Cultural Area
- Historic or Cultural Easement
- Inventoried Roadless Area
- Local Conservation Area
- Local Historic or Cultural Area
- Local Other or Unknown
- Local Park
- Local Recreation Area
- Local Resource Management Area
- Marine Protected Area
- Military Land
- Mitigation Land or Bank
- National Forest
- National Grassland
- National Lakeshore or Seashore
- National Monument or Landmark
- National Park
- National Public Lands
- National Recreation Area
- National Scenic or Historic Trail
- National Scenic, Botanical or Volcanic Area
- National Wildlife Refuge
- Native American Land
- Not Designated
- Other Easement
- Private Agricultural
- Private Conservation
- Private Forest Stewardship
- Private Historic or Cultural
- Private Other or Unknown
- Private Park
- Private Ranch
- Private Recreation or Education
- Ranch Easement
- Recreation Management Area
- Recreation or Education Easement
- Research Natural Area
- Research or Educational Area
- Resource Management Area
- Special Designation Area
- State Conservation Area
- State Historic or Cultural Area
- State Park
- State Recreation Area
- State Resource Management Area
- State Wilderness
- Unknown
- Unknown Easement
- Watershed Protection Area
- Wild and Scenic River
- Wilderness Area
- Wilderness Study Area

# COMMONLY MISSED CREDITS

## **520: Acquisition and Relocation**

2007 DR-1709 acquired or relocated 73 structures.

190 possible points using Option 1.

Option 2 depends on # of buildings in SFHA.

The credit for this element is based on the number of buildings in the regulatory floodplain that have been acquired or relocated.

**DO NOT HAVE  
TO BE RL/SRL**

# COMMONLY MISSED CREDITS

## **530: Flood Protection**

- Elevations
- Floodproofing
- Sewer Backup
- Barrier, levee, floodwall
- Channel modification, storm sewer improvements, diversions
- Storage facilities

**DO NOT HAVE  
TO BE RL/SRL**

# ACQUISITION RESOURCES

state	county	programArea	projectIdentifier	projectType	projectCounty	numberOfFinalProperties	numberOfProperties	status	subrecipient	costSharePercentage	projectAmount	federalShareObligated	programFy	date
Texas	Tarrant	HMGP	DR-0930-0009-R	403.1: Stormwater Management - Culverts	TARRANT	0	0	Closed	SAGINAW	0.35460993	282000	100000	1992	
Texas	Tarrant	SRL	SRL-PJ-06-TX-2011-004	200.1: Acquisition of Private Real Property (Structures and Land) - Riverine	TARRANT	4	4	Obligated	City of Arlington, Te	0.9	1359600	1161575.26	2011	2011-09-29
Texas	Tarrant	SRL	SRL-PJ-06-TX-2009-008	200.1: Acquisition of Private Real Property (Structures and Land) - Riverine	TARRANT	1	1	Obligated	City of Euless	0.89999965	284700	162276.18	2009	2011-05-12
Texas	Tarrant	FMA	FMA-PJ-06-TX-2007-002	200.1: Acquisition of Private Real Property (Structures and Land) - Riverine		1	1	Obligated	City of Mansfield	0.75	167500	125625	2007	2007-08-16
Texas	Tarrant	HMGP	DR-4223-0052-R	200.1: Acquisition of Private Real Property (Structures and Land) - Riverine	TARRANT	9	6	Closed	Arlington	0.75	692714.32	519535.74	2015	2016-08-24

disasterNum	state	county	city	projectIdentifier	propertyAction	structureType	typeOfResidence	actualAmountPaid	programFy	programArea	numberOfProperties
1709	Texas	Tarrant	HALTOM CITY	DR-1709-0025-R	Acquisition/Demolition	Manufactured Home	Owner Occupied - Piles, Posts or Columns	33227	2007	HMGP	1
4029	Texas	Tarrant	MANSFIELD	DR-4029-0012-R	Acquisition/Demolition	Single Family Dwelling - 5 or More Units	Principal Residence	122907	2011	HMGP	1
1709	Texas	Tarrant	HALTOM CITY	DR-1709-0025-R	Acquisition/Demolition	Manufactured Home	Owner Occupied - Piles, Posts or Columns	17350	2007	HMGP	1
1425	Texas	Kendall	COMFORT	DR-1425-0003-R	Acquisition/Demolition	Single Family	Owner Occupied - Principal Residence	36857	2002	HMGP	1
4029	Texas	Tarrant	MANSFIELD	DR-4029-0015-R	Acquisition/Demolition	Single Family	Principal Residence	144000	2011	HMGP	1
1709	Texas	Tarrant	HALTOM CITY	DR-1709-0025-R	Acquisition/Demolition	Manufactured Home	Owner Occupied - Piles, Posts or Columns	12000	2007	HMGP	1
1709	Texas	Tarrant	HALTOM CITY	DR-1709-0025-R	Acquisition/Demolition	Manufactured Home	Owner Occupied - Piles, Posts or Columns	21000	2007	HMGP	1
1709	Texas	Tarrant	HALTOM CITY	DR-1709-0025-R	Acquisition/Demolition	Manufactured Home	Owner Occupied - Piles, Posts or Columns	42000	2007	HMGP	1

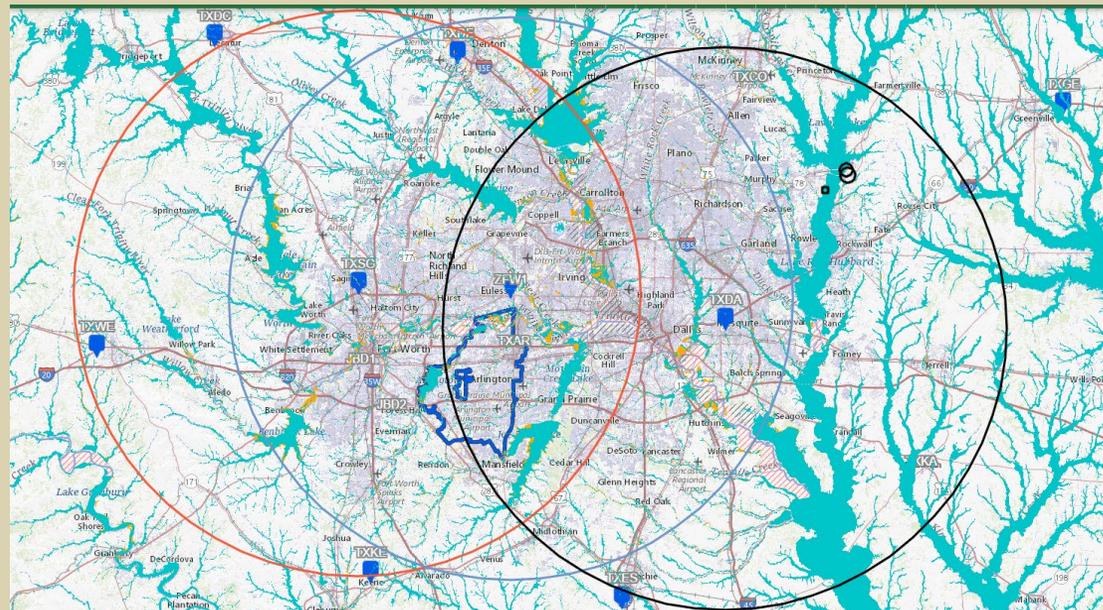
# GET THE CREDIT YOU DESERVE

## 510: Floodplain Management Planning

- Cycled in Aug 2020. Participated in the 2018 Tarrant County Hazard Mitigation Plan. Adopted it in Jan 2020.
  - Did not get the **127 points**

## 440: Benchmark Maintenance

- BMM2 credits if there are 3 CORS within 30 miles. Did not get **27 points**



# CHECK YOUR SFHA ACREAGE

3 Areas to be excluded from your SFHA Acreage

OPEN WATER > 10  
ACRES

AREAS BEYOND  
ITS REGULATORY  
JURISDICTION

FEDERAL &  
TRIBAL LANDS

Reported acreage was 9324 acres in SFHA. OSP was 661 acres. Provided **102 points for OSP**

Revised acreage after removing Lake & Federal Lands 3110 acres in SFHA. OSP was 661 acres.  
Provided **305 points for OSP**

# 330 OUTREACH TIPS

**CLEARLY STATE  
WHAT THE AUDIENCE  
SHOULD DO**



“Everyone lives  a flood zone”



“The River flooded in 2001. See if your area was  affected by calling 123-4567”

**TALK TO OTHER  
DEPARTMENTS**



Environmental Quality



Emergency Management

# 330 OUTREACH TIPS

## ENVIRONMENTAL QUALITY

### Topic 6 -Protect natural floodplain functions

#### TPDES Annual Reporting

<b>Reporting Period Highlights (cont.)</b>	<b><i>MCM 7 Public Education and Outreach/Public Involvement and Participation:</i></b> Educated and engaged the public and City employees on pollution prevention. The City: <ul style="list-style-type: none"><li>• Presented an integrated education program addressing several stormwater-quality issues, used oil and toxic materials, pet waste, pesticides, herbicides and fertilizers, pool discharges, spill prevention and pollution prevention.</li><li>• Continued to deliver virtual educational events.</li><li>• Promoted pollution prevention with a multilingual media campaign.</li><li>• Trained 100% of new hires on stormwater pollution prevention.</li><li>• Participated in 16 community events.</li><li>• Maintained a web presence, maintaining "GreenDallas.net", "Wheredoesitgo.com" and three social media accounts.</li></ul>
--	--



**Environmental  
Quality & Sustainability**

**STORMWATER IS OUR WATER**  
Protect it. Respect it. Conserve it.

- Throw your pet waste into a trash can, collect the waste, tie the bag securely and place with your garbage.

**Don't feed waterbirds**

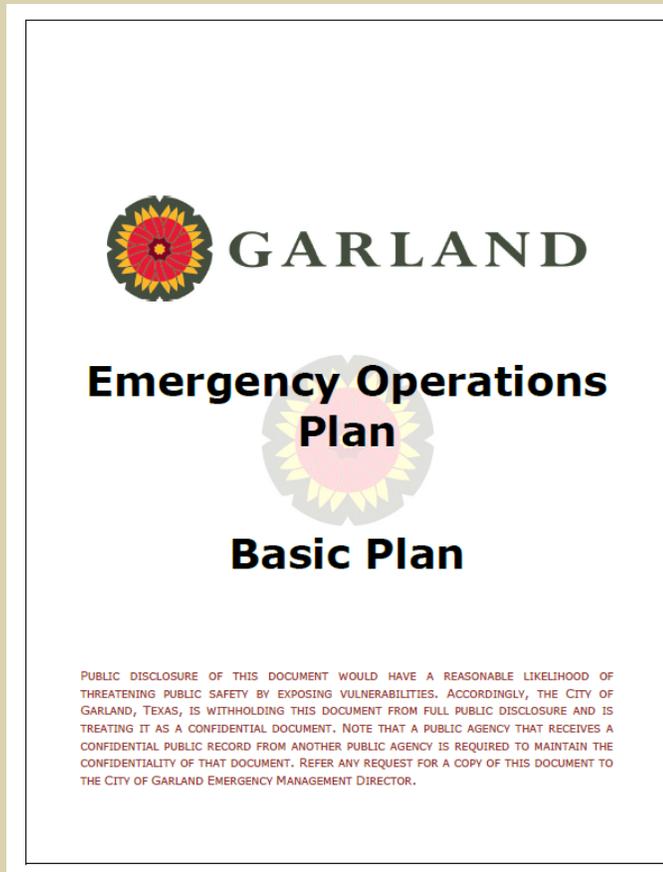
- It makes them unhealthy causing malnutrition and the loss of flight.
- Spreads Avian Flu, Salmonella and E. coli.
- The droppings pollute ponds and the Trinity River.

**Report dumping of any type by contacting 3-1-1.**

wheredoesitgo.com or greendallas@dallascityhall.com

# 330 FRP OUTREACH TIPS

“Turn Around Don’t Drown”



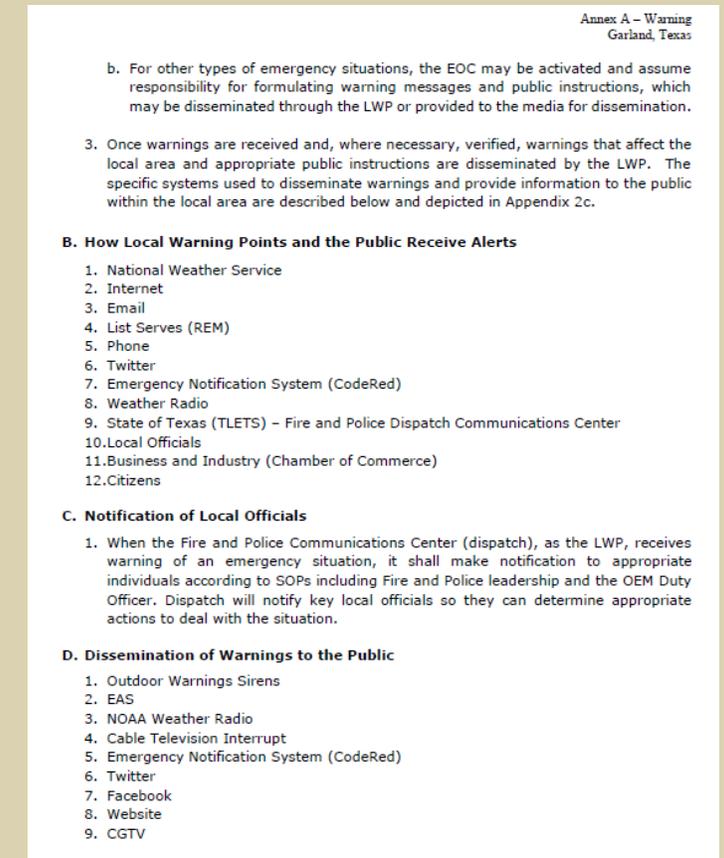
## EMERGENCY MANAGEMENT

“Know your evacuation routes”

“Don’t go back to your flooded house until the emergency manager announces that it is safe to do so.”

“Know the flood warning signals: one long blast of the siren means a flash flood along Silver Creek.”

“Get a permit for repairs”



# 330 OUTREACH TIPS

**USE SOCIAL  
MEDIA**



**2 PLATFORMS**



**MAX 5 POSTS  
PER YEAR**

**2  
LANGUAGES**

# 330 OUTREACH TIPS

June 1 is the start of Hurricane Season and the city would like to provide a few quick reminders:

- Ask your insurance agent if you are covered for flood damage. (*Topic 2*)
- If the street is under water, turn around don't drown (*Topic 3*)
- Store your valuables and insurance papers upstairs in a waterproof container (*Topic 4*)
- Get a permit before building or making any repairs or alterations (*Topic 5*)
- Don't Trash the River- that's where we get our drinking water (*Topic 6*)
  - Report illegal dumping to 123-456-7890
- Call 123-456-7890 to find out the flood hazard of your property (*Topic 1*)

=

12 points

Spanish

=

12 points

# IMPORTANCE OF TPDES ANNUAL REPORT

Provides information on implementation on several activities

Best Management Practice/Targeted Control	Measurable Goal	Implementation Schedule	Implementation Status for Reporting Period (October 1, 2021-September 30, 2022)
Provide electronic announcements educating City of Dallas employees on stormwater management issues	2 Announcements each year.	PY1-PY5	8 announcements of Stormwater Pollution Prevention to 19,027 people
	Track topic of announcement		
Public Information Activities related to proper management of UOTM	1 Water Bill Mailer on proper management of UOTM	PY1-PY5	1 UOTM Mailers
Promote and publicize the proper disposal of yard waste through targeted "Leaf Blower Blitzes"	2 blitzes	PY2-PY5	3 Blitzes
Promote and Publicize Proper Disposal of Materials, including Floatables, through a City of Dallas Water Bill insert mailer	1 insert to all water bill accounts receiving paper bills	PY1-PY5	2 inserts
Promote and Publicize the Proper Management of Pet Waste through City of Dallas Water Bill insert mailer	1 insert to all water bill accounts receiving paper bills	PY1-PY5	1 insert
Promote and publicize the public reporting of illicit discharges through City of Dallas Water Bill insert mailer	1 insert to all water bill accounts receiving paper bills	PY1-PY5	1 insert
Provide Stormwater Program Information to Target Audiences at the State Fair of Texas	350,000 impression/interactions	PY2-PY5	442,710
Encourage participation in the storm drain marking program	2 marking events	PY2 -PY5	9 Events
	15 volunteers in total participate in events		86 Volunteers
	40 storm drains marked		163 drains marked



Activity 330:  
Outreach



Activity 450: ESC &  
WQ

Inspect all known active construction sites disturbing one or more acre or that are part of a common plan of development that disturbs one or more acre	See MCM 6, "Construction Site Stormwater Runoff"
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# IMPORTANCE OF TPDES ANNUAL REPORT

Provides information on implementation on several activities

Inspect each levee monthly (East, West, Rochester)	312 visual inspections conducted (entire length)	PY1-PY5	246 inspections
Repair levee system erosion	100% of erosion repairs	PY1-PY5	100% as needed
Mow levees	6000 acres mowed (entire system)	PY1-PY5	4283 acres mowed



**Activity 620:  
Levees**

Inspect inlet protection devices at City-owned facilities	100 Inspections	PY1-PY5	626 inspections
	Complete 70% of inlet protection device maintenance work orders on time		100% on time
	Debris removed in cubic yards		1960 CY
	Install 70% of planned inlet protection devices		100%
Inspect at least ten (10) City-owned retention/detention ponds per year and each pond at least once during the permit term.	28 Ponds Inspected	PY1-PY5	52 inspections
Maintain the flood control capacity and water quality efficacy of City-owned detention/retention ponds.	20 Locations desilted	PY1-PY5	624 locations desilted
	20 mowing cycles completed		31 cycles completed
	Volume of materials removed in cubic yards		109 CY
Respond to creek and channel maintenance requests	600 creek and channel maintenance requests	PY1-PY5	611 requests
Maintain the flood control capacity and water quality efficacy of City-owned creeks and channels	25 locations desilted	PY1-PY5	63 locations desilted
	130 acres of channel and creek buffers maintained		911 acres
	Volume of materials removed from City-owned waterways in CY		4054 CY



**Activity 540: Drainage  
Maintenance**

<b>Projects Under Construction</b>	Continue construction of Mill Creek/Peaks Branch/State Thomas Drainage Relief Tunnel Project for flood protection and storm drainage improvements. Continue construction of thirty-seven (37) erosion control, storm drainage and dredging projects.
<b>Completed Projects</b>	Completed construction of twenty-nine (29) erosion control, storm drainage, and other major maintenance projects.



**Activity 530: Flood  
Protection**

# ACTIVITY 370 – FLOOD INSURANCE

**Flood insurance coverage assessment (FIA)** – Assess current coverage and *identify shortcomings*.

Don't need detailed policy information. at a minimum, look at:

Insurance by Zone & Insurance by Occupancy

**Total # of Buildings: 3600**

**Total # of policies: 1500**

Occupancy	# of Policies in force	Total # of structures	Proportion structures insured
Residential	1300	2000	65%
Non-Residential	200	1600	12%
<b>Total</b>	<b>1500</b>	<b>3600</b>	<b>41.7%</b>

Flood Zone	# of Policies in force	Total # of structures in zone	Proportion structures insured
SFHA – A/AE	1000	3000	33%
Non- SFHA	500	600	83%
<b>Total</b>	<b>1500</b>	<b>3600</b>	<b>41.7%</b>

# ACTIVITY 370 – FLOOD INSURANCE

## **Coverage improvement plan (CP) –**

preparing a plan to improve the coverage needs found in the FIA assessment

### **Step 1: Form a committee**

- At least 5 people
- At least half of the members must be from outside local government
- One or more persons from:
  - floodplain management office
  - public information office
  - a local insurance agency

### **Step 2: Identify current activities done to promote flood insurance**

- i.e., Mailer to residential floodplain properties promoting flood insurance

### **Step 3: Identify desired outcomes and priority audiences**

- i.e., Non-Residential structures obtain flood insurance

### **Step 4: Describe each project, who will do it, and when it will be done**

- One project must be done by elected leadership

### **Step 5: Send to governing body, monitor and evaluate**

# ACTIVITY 370 – FLOOD INSURANCE

**Implementation of the coverage improvement plan (CPI).** The plan's projects are implemented.

Project	Dates Completed	Documentation Provided
Neighborhood Presentation	May and October 2023	See Presentation and meeting information
Repetitive Loss Mailer	June 2023	See Letter and Mailing List
Mayor's Letter to entire community	February 2023	See Mayor's Letter
Social Media	April and October 2023	See screenshots

# PREREQUISITES

## **Class 9:** 500+ points

- CCMP
- 90% accuracy on annual CC review
- 1 or more RL – section 501-504 met

## **Class 8:** 1000+ points

- Adopt and enforce 1 ft freeboard for residential buildings in SFHA

## **Class 6:** 2000+ points

- BCEGS 5/5 or better

# PREREQUISITES

- Class 4: 3000+ points**
- BCEGS 4/4 or better

<b>Activity 450 Watershed Master Plan (WMP)</b>
Adopt a Watershed Management Plan
90 pts. for meeting all WMP prerequisites
30 pts. for 452.b.2 (managing all storms up to and including 100-yr. event)
rWMP = 0.5 or greater (or show that WMP covers watersheds that comprise at least 50% of its growth)

<b>Activity 430 Higher Regulatory Standards</b>
<b>≥ 700 pts. in all other 430 elements, including 422.a., f., and g. in 420 Open Space Preservation (after to imp. adj.)</b>
430—Development limitations (DL),
430—Freeboard (FRB),
430—Cumulative substantial improvements (CSI),
430—Lower substantial improvements (LSI),
430—Protection of critical facilities (PCF),
430—Enclosure limits (ENL),
430—Building codes (BC),
430—Local drainage protection (LDP),
430—Manufactured home parks (MHP),
430—Coastal A Zones (CAZ),
430—Special flood-related hazards regulations (SHR),
430—Other higher standards (OHS),
430—Regulations administration (RA),
420—Open space preservation (OSP),
420—Open space incentives (OSI),
420—Low-density zoning (LZ).

# PREREQUISITES

<b>Natural Floodplain Functions</b>
<b>At least 100 pts. (after impact adjustment) from one or a combination of the following elements:</b>
420 – Natural functions open space (NFOS)
420 – Natural shoreline protection (NSP)
430 – Prohibition of fill (DL1)
440 – Additional map data (AMD) natural functions layer
450 – Managing the volume of stormwater runoff (SMR – DS)
450 – Low impact development (LID)
450 – Watershed management plan (WMP), Credit point items 3, 5, 6 and 7
450 – Erosion and Sediment Control (ESC)
450 – Water Quality (WQ)
510 – Natural floodplain functions plan (NFP)

<b>Activity 510 Floodplain Management Plan (FMP)</b>
Adopt a Floodplain Management Plan
≥ 50% of the maximum credit under Activity 510 after imp. adj. (≥ 191 pts.)
≥ 50% of available pts. in Planning Step 2 (≥ 60 pts.)
≥ 50% of available pts. in Planning Step 5 (≥ 26 pts.)
≥ 50% of available pts. in Planning Step 8 (≥ 30 pts.)

<b>Life Safety Measures</b>
610 – obtain some credit under this Activity
620 – meet prerequisite 621.b(2) [map of all areas protected by levees]
630 – meet prerequisite 631.b(1) [map of all areas flooded by the failure of a high hazard dam and critical facilities that would be flooded.]

# PREREQUISITES

## Class I: 4500+ points

- Pass Community Assistance Visit within previous 12 months

Activity 370 Promotion of Flood Insurance
≥ 50% of the buildings in the SFHA covered by a flood insurance policy OR
≥ 50% of the maximum credit under Activity 370. (≥ 110 pts.)
"No Adverse Impact" - All Communities
<b>≥ 150 pts. in 432.e. Open Space Incentives &amp; 422.f. Development Limitations.</b>
Credit for protecting critical facilities, as defined in section 432.f.
Credit in Activity 410 and 430 for all special flood-related hazards identified in community's flood management plan.
"No Adverse Impact" - Riverine Communities
rWMP = 0.75 or greater (or show that WMP covers watersheds that comprise at least 75% of its growth)
Use future conditions hydrology flood mapping as credited in section 412.d.
"No Adverse Impact" - Coastal Communities
Credit for regulating coastal A Zones under CAZ in section 432.k.
Use future conditions hydrology flood mapping as credited in section 412.d., this includes sea level rise.
Credit in Coastal Erosion Hazards in section 432.n.

Natural Floodplain Functions
<b>At least 150 pts. (after impact adjustment) from one or a combination of the following elements:</b>
420 – Natural functions open space (NFOS)
420 – Natural shoreline protection (NSP)
430 – Prohibition of fill (DL1)
440 – Additional map data (AMD) natural functions layer
450 – Managing the volume of stormwater runoff (SMR – DS)
450 – Low impact development (LID)
450 – Watershed management plan (WMP), Credit point items 3, 5, 6 and 7
450 – Erosion and Sediment Control (ESC)
450 – Water Quality (WQ)
510 – Natural floodplain functions plan (NFP)

# PREREQUISITES

## **Class I: 4500+ points**

- Pass Community Assistance Visit within previous 12 months

### **Section 501 Repetitive Loss List**

≥ 25% of repetitive losses have been mitigated.

Must have a multi-hazard mitigation plan approved by FEMA.

### **Life Safety Measures**

620 – obtain some credit under elements in this Activity

630 – obtain some credit under elements in this Activity

# CRS TRAININGS

NOTE: The FEMA.gov website is undergoing an upgrade — links to content there may be temporarily broken.



## Training & Videos

### Webinars on the Community Rating System

The CRS Webinar Series provides both live and on-demand training to communities that are not yet participating in the Community Rating System, local government staff who are new to the CRS, and those with experience in the program. The Series includes basic introductory sessions and more advanced topics, most averaging about an hour in length.

 All classes 1:00 pm Eastern/10:00 am Pacific

**QUESTIONS??**

# THANK YOU!

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