## Virtual Meeting Participation

#### **GoToMeeting Attendee Control Panel**

There will be polls during this presentation. Your participation is appreciated!

Handouts are also available for download through the meeting control panel!

Hide/Show the Control Panel Mute/Unmute Fullscreen/Window Mode Raise/Lower Your Hand

File View Help ∰-\_ O 🛭 X ▼ Audio Sound Check - 2 Computer audio Phone call No audio MUTED Microphone Array (Realtek High Defi... > Speaker/HP (Realtek High Definition... > Talking: Questions [Enter a question for staff]

Ask a Question Here



2018 Arapahoe County Physical Map Revision (PMR)
Big Dry Creek & Tributaries

#### **Open Houses for the City Of Centennial**

Tuesday, August 18 from 10:00-11:00 AM Wednesday, August 19 from 6:00-7:00 PM Wednesday, September 2 from 6:00-7:00 PM













Poll







# What Can You Learn Today?

- How to make your home and community safer and more resilient
- How to view the preliminary maps to see how your property or structure will be affected by the new maps
- Why flood insurance is important
- What to do if you think your property or structure is incorrectly mapped on the new maps
- Development and building improvement requirements for properties and structures in high-risk flood zones



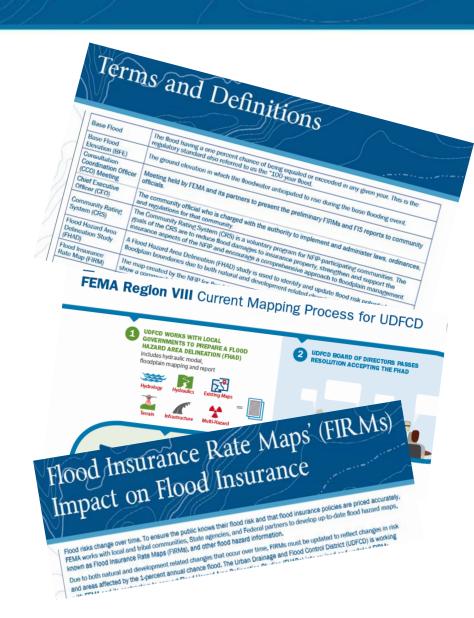
# Meeting Overview

#### Agenda:

- Flood Hazards & NFIP Overview
- Project Background
- Insurance and Appeals

#### **Handouts:**

- LOMR versus Appeal
- Flood Insurance Questions
- Need to Know Map Changes
- Agents Guide to Grandfather Rule
- Terms & Definitions



# FLOOD HAZARDS & NATIONAL FLOOD INSURANCE PROGRAM (NFIP) OVERVIEW

# Flood Insurance Rate Maps (FIRMs) Identify Flood Hazard Risk Zones

Flooding is actually one of the most common and costly disasters.

If you have a 30-year mortgage and live in a high-risk food zone, you have a 26-percent chance of being flooded during the duration of the loan.

As storms get bigger and more frequent, many people experience flooding in areas that are typically not affected. In 2013, a major flood hit Colorado's Front Range and more than 30 percent of insurance claims were outside of the high-risk flood zone.

Everyone lives in an area with some flood risk – it's just a question of whether you live in a low-, moderate-, or high-risk area

The FIRMs do not identify areas of "No Risk".



## NFIP OVERVIEW

- Voluntary Federal Program
  - Overseen by FEMA
  - Managed by Communities
  - Enforced by Lenders
- Requires participating NFIP communities to regulate development in the floodplain
- Provides homeowners/renters with option to purchase insurance based on flood zones
- Provides federal assistance for mitigating risks





# **Evolving Flood Risk**

- The National Flood Insurance Program (NFIP) requires communities to update flood risk information—risk is not static.
- The Mile High Flood District and local communities partner to identify and communicate revised flood risk information
- Updating flood risk information promotes resiliency within your community with the ultimate goal to keep people, properties, and infrastructure safe from flooding disasters.



















## Why is this Meeting Important to You?

- Your flood designation may have changed, according to the preliminary Flood Insurance Rate Maps (FIRMs).
- Updated FIRMs will provide you with the latest proposed flood risks, so you can identify and mitigate them.

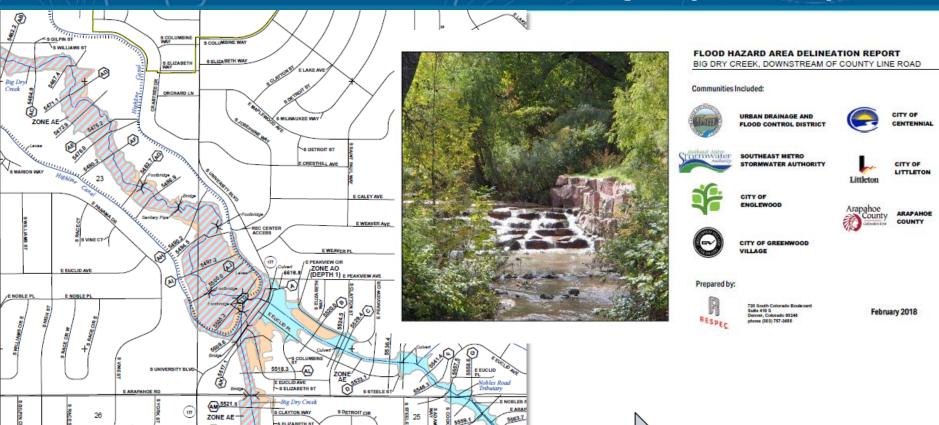






# PROJECT BACKGROUND

# Flood Hazard Area Delineations (FHADs) to Flood Insurance Rate Maps (FIRMs)



FHAD Acceptance by MHFD Board

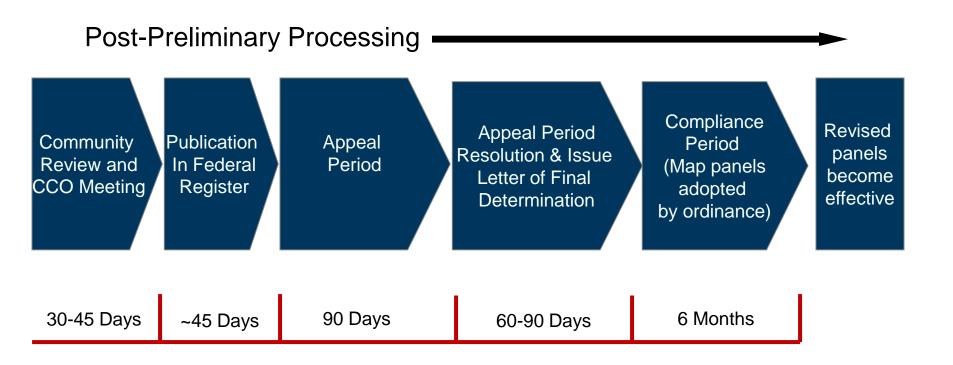
Request State
Designation from
Colorado Water
Conservation Board

CWCB Designates as Best Available Data (allows regulation)

Adoption by MHFD Board



# Post-Preliminary Process



# 2018 Arapahoe County Physical Map Revision Big Dry Creek and Tributaries

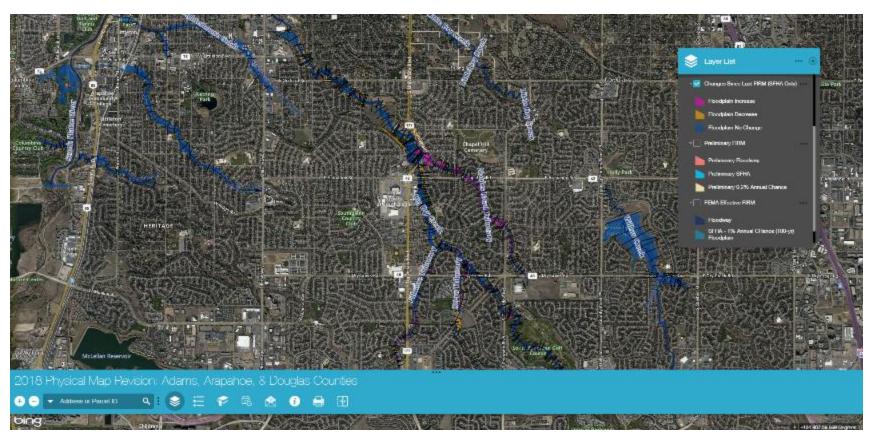
Structure				
Count	Big Dry Creek	Fillmore Tributary	Otero Tributary	Nobles Tributary
Structures in				
<b>Revised High Risk</b>				
Area	18	2	4	34
Structures in				
Effective High				
Risk Area	42	2	0	Not Mapped
Number Added *	2	1	4**	34
Number				
Removed	26	1	0	0

<sup>\*</sup>Newly Mapped into High Risk Area

<sup>\*\*</sup>May include multi-family structures

### Changes Since Last FIRM

- Changes Since Last FIRM (CSLF) is a dataset that allows a simple comparison between the preliminary data and the current effective data
- Analyze how the revised mapping will impact individual insurable structures



### Preliminary Product Download

 Preliminary FIRMs, FIS Report, and FIRM Database are posted to the FEMA Map Service Center website

IS Reports ①				
Item ID 🔺	Item Name ♦	Prelim Issue Date	Size	View
08005CV001E	FLOOD INSURANCE STUDY (FIS)	02/28/2020	11.2M	POF
08005CV002E	FLOOD INSURANCE STUDY (FIS)	02/28/2020	12.4M	POF Address
08005CV003E	FLOOD INSURANCE STUDY (FIS)	02/28/2020	12.5M	POF
08005CV004E	FLOOD INSURANCE STUDY (FIS)	02/28/2020	11.4M	POF Adels
08005CV005E	FLOOD INSURANCE STUDY (FIS)	02/28/2020	18.2M	POF
08005CV006E	FLOOD INSURANCE STUDY (FIS)	02/28/2020	16.3M	POF
IRM Database <b>©</b>				
Item ID 🔺	Item Name \$	Prelim Issue Date	Size	Download
08005C	FIRM Database	02/28/2020	35.6K	1

<b>⊗</b> FEN	ſΑ	М	ар	Service	e Ce	nter
Preliminary Fl	EMA Map Pro	ducts				
Disclaimer, Pretiminary data that the information provided FIRM Databases, are not the cannot be used to rate flood data once effective data are	is preliminary and subject of and are presented on the insurance policies or enforce	to change. Preliminary data MSC as the best information	includi on availa	ng new or revised FIR able at this time. Addit	Ms, FIS replonally, prei	ports, and Iminary data
For more information on wha	it these three types of data	entall, visit FEMA's Prolimin	ary Flo	od Hazard Data webpa	age.	
State: Colorado	County	: Arapahoe County				
▼ Preliminary Produc	ts issued on 02/28/20?	0 for Arapahoe County	y, Colo	rado		
_						
FIRM (1)	Ken	Name	0	Prelim Issue Date	Size	View
08005C0144L		CE RATE MAP (FIRM)		02/28/2020	1.2M	100 m

FLOOD INSURANCE RATE MAP (FIRM)
FLOOD INSURANCE RATE MAP (FIRM)

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FLOOD INSURANCE RATE MAP (FIRM)

FLOOD INSURANCE RATE MAP (FIRM)

FLOOD INSURANCE RATE MAP (FIRM)

FLOOD INSURANCE RATE MAP INDEX

02/28/2020

02/28/2020

02/28/2020

02/28/2020

02/28/2020

https://hazards.fema.gov/femaportal/prelimdownload/

08005C0163L

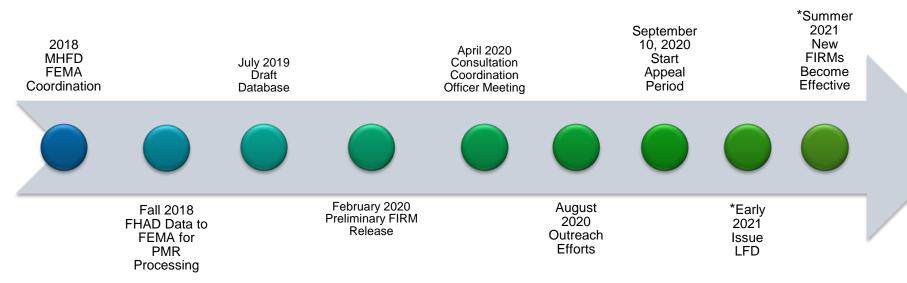
08005C0432M

08005C0451M

08005C0452L

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# Estimated Project Schedule



<sup>\*</sup> Dates are estimated and subject to change

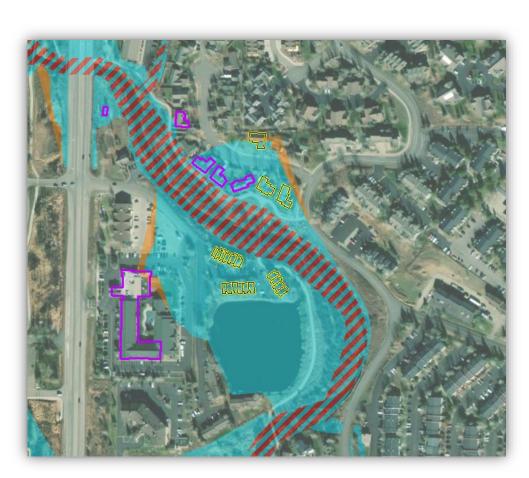
# **QUESTIONS?**

# **INSURANCE & APPEALS**

# Purchasing Flood Insurance

# When is flood insurance required?

- When a structure is located in a high-risk flood zone (A, AE, etc.) and there is a federally-backed loan
- Insurance rates are based on the <u>current effective</u> Flood Insurance Rate Map (FIRM), until the new maps <u>become</u> <u>effective</u>



### **Factors Affecting Rating**

- Flood Zone Designation
- Elevation
- Pre-FIRM Status
- Post-FIRM Status
- Loss History
- Deductible and amount of building and contents coverage

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Coverage Limits	Residential	Non-Residential	Renters
Building	\$250,000	\$500,000	
Contents	\$100,000	\$500,000	\$100,000

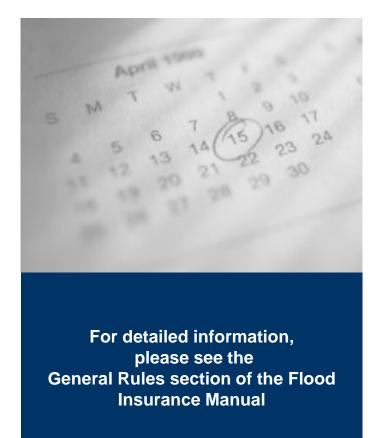


#### When do flood insurance policies become effective?

There is a 30 day waiting period before any new or modified flood insurance policies go into effect.

#### **Exceptions are provided for:**

- Insurance in connection with a loan transaction.
- Insurance purchased within 12 months of a map revision (1 day wait).
- Post-Wildfire designate areas.



# **Rating Options**

- Preferred Risk
- Newly Mapped
- Grandfather Rule

- If a community participates in the NFIP, anyone can purchase flood insurance (homeowners and renters), even those not in a mapped floodplain
- New Zones go into effect with effective FIRMs, not before
- Banks can require insurance anywhere
- Property Owners should contact insurance agent TODAY



### Insurance Rating

#### A home can be rated three ways:

- With an Elevation Certificate (EC) done by a licensed surveyor, engineer or architect
- **2. Preferred Risk** (X Zone)
- 3. Newly Mapped rates which increase 15-25% annually until an EC is provided to agent

#### 4. Grandfather Rule:

- Loyal Customer Grandfather Rule: Purchased before or within 12 months following a map revision and never letting it lapse
- Built in Compliance: Purchased with an EC and/or prior map showing the home was built in compliance at the time it was built or letter from local floodplain administrator.

Policies may be transferred to a new home owner from the prior owner to maintain any of these types of rating

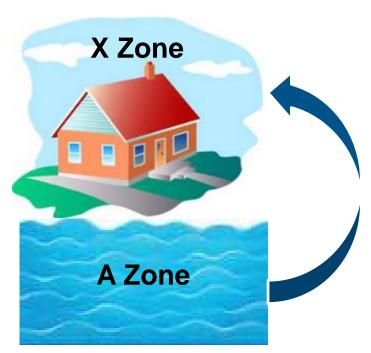
#### 1. Newly Mapped into a High-Risk Area

- Flood zone X to A
- Increased flood risk
- Mandatory purchase applies
- Preferred Risk
- Newly Mapped Procedure



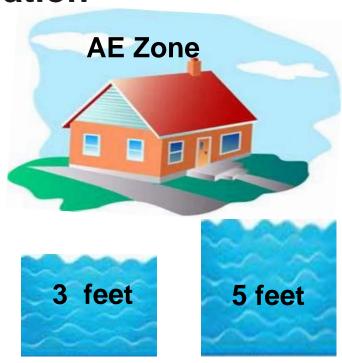
#### 2. Removed from the High-Risk Area

- Flood zone A to X
- Low-risk does not mean no risk
- Flood insurance optional, but recommended
- Convert to the Preferred Risk Policy



#### 3. Change in Base Flood Elevation

- Flood zone remains the same
- Increased/decreased flood risk
- Mandatory purchase applies
- Continuous Coverage



#### 4. No Change

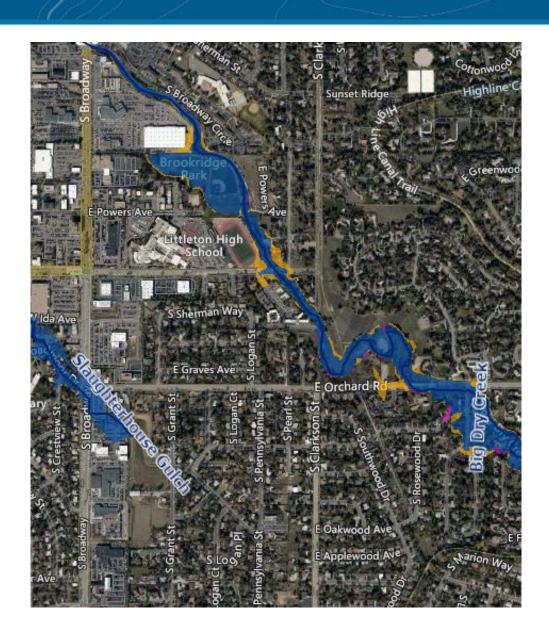
- Flood zone remains the same
- No change in flood risk
- Review Coverage
- Talk to Your Insurance Agent



# **QUESTIONS?**

### Appeals

- Do you think you have been incorrectly mapped in a high-risk zone? FEMA has established procedures for property owners to have the mapping re-evaluated.
- The 90-day public Appeal Period is to begin in September 10, 2020



### What is an Appeal

- Communities and residents within Arapahoe County will have a 90day appeal period:
  - Appeals must be based on mathematical or measurement errors, natural changed physical conditions, or technically incorrect data or methodology
  - Appeals must be supported by technical or scientific data and submitted within the 90-day appeal period
  - Appeals are limited to areas with new or modified Special Flood Hazard Areas (SFHA)
  - Appeals must be submitted through the Community, received by FEMA office, reviewed by MHFD and FEMA contractor, and incorporated, as appropriate

# Letter of Map Change



#### Letter of Map Amendment (LOMA)

is for when a flood map shows a building in the floodplain but it is actually on natural ground above the base flood elevation.



#### Letter of Map Revision Based on Fill

**(LOMR-F)** is for when a building is on fill that puts it above the base flood elevation. Elevating using fill must be permitted under the law.



#### Lowest Adjacent Grade (LAG) is

the lowest point where the ground touches the building.

#### Special Flood Hazard Area (SFHA)

is the high risk area for flooding during the 1-percent-annual-chance flood.

Base Flood Elevation (BFE) is how high the water is expected to rise during the 1-percent-annual-chance flood.

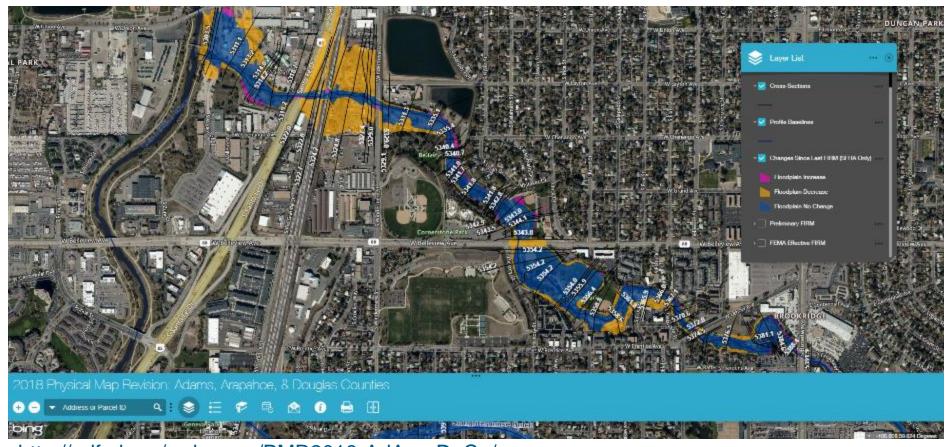


Fill

# **QUESTIONS?**

# Changes Since Last FIRM (CSLF)

#### **Click to Open Map Viewer:**



http://udfcd.org/webmaps/PMR2018-AdArapDoCo/

# Local Requirements

- A floodplain development permit is required for all development in the high-risk zone.
- New structures and additions to existing structures in the high-risk zone are prohibited.
- Fencing and storage of hazardous and floatable materials in the high-risk zone are prohibited.
- Existing structures in the high-risk zone can be substantially improved in the flood fringe, but not the floodway, and are subject to additional requirements in the Land Development Code.



### Local Mitigation Activities to Reduce Flood Risk

#### Nobles Road Tributary

 Engineering work has been planned for additional alternatives analysis to reduce flood risk

#### Big Dry Creek

- Construction of two improvement projects is scheduled to start this fall
  - Big Dry Creek Reach 12 (downstream of E. Dry Creek Road) Stream stabilization and sanity sewer protection
  - Big Dry Creek at E. Easter Avenue Restore bridge capacity and stream stabilization
- Engineering design work with MHFD is beginning for stream stabilization at SSPRD golf course near S. Colorado Boulevard

#### Otero Tributary

 Engineering design work is underway for stabilization improvements downstream of E. Phillips Avenue

### What Can You Do To Protect Your Home?

#### Know Your Risk

- Review the preliminary maps
- Review the CSLF
- Ask questions

#### Understand Your Options

- Talk to your local insurance agent about flood insurance
- Talk to SEMSWA and Centennial officials about development and building requirements
- Talk to SEMSWA and Centennial officials about ways to reduce your home's flood risk

#### Be Prepared, Be Safe

- Purchase flood insurance
- Develop a home emergency plan



#### Thank you for attending!

#### Please ask questions at this time





















#### **City of Centennial**

Stacey Thompson (SEMSWA), CFM, Group Manager, Floodplain and Master Planning <a href="mailto:sthompson@semswa.org">sthompson@semswa.org</a>, 303-858-8844

Paul Danley (SEMSWA)

Executive Director

pdanley@semswa.org, 303-858-8844

#### **Colorado Water Conservation Board**

Doug Mahan, CFM
NFIP Community Assistance Program Coordinator,
doug.mahan@state.co.us, 303-866-3441

FEMA Map Information eXchange (FMIX) 1-(877) FEMA MAP (1-877-336-2627) NFIP Call Center

#### **Additional Resources**

Flood Insurance – <u>floodsmart.gov</u> Family Flood Plan <u>ready.gov/floods</u>

#### **FEMA Region VIII**

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Civil Engineer
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Diana Herrera, CFM Senior Regional Insurance Specialist <u>Diana.Herrera@fema.dhs.gov</u>, 720-480-8338

Erin May, CFM (Contractor)
NFIP Bureau and Statistical Agent
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