

# Mitchell Creek Floodplain

Informational Neighborhood Meeting

May 25, 2021



# Agenda

- Introductions
- 2018 FEMA Map Revision Adoption
  - What does this mean for you (property owner)?
- Current Efforts
  - Roaring Fork and Colorado River FEMA map revisions
  - FEMA Flood Mitigation Assistance
- Timeline
- Questions



# 2018 Map Revision

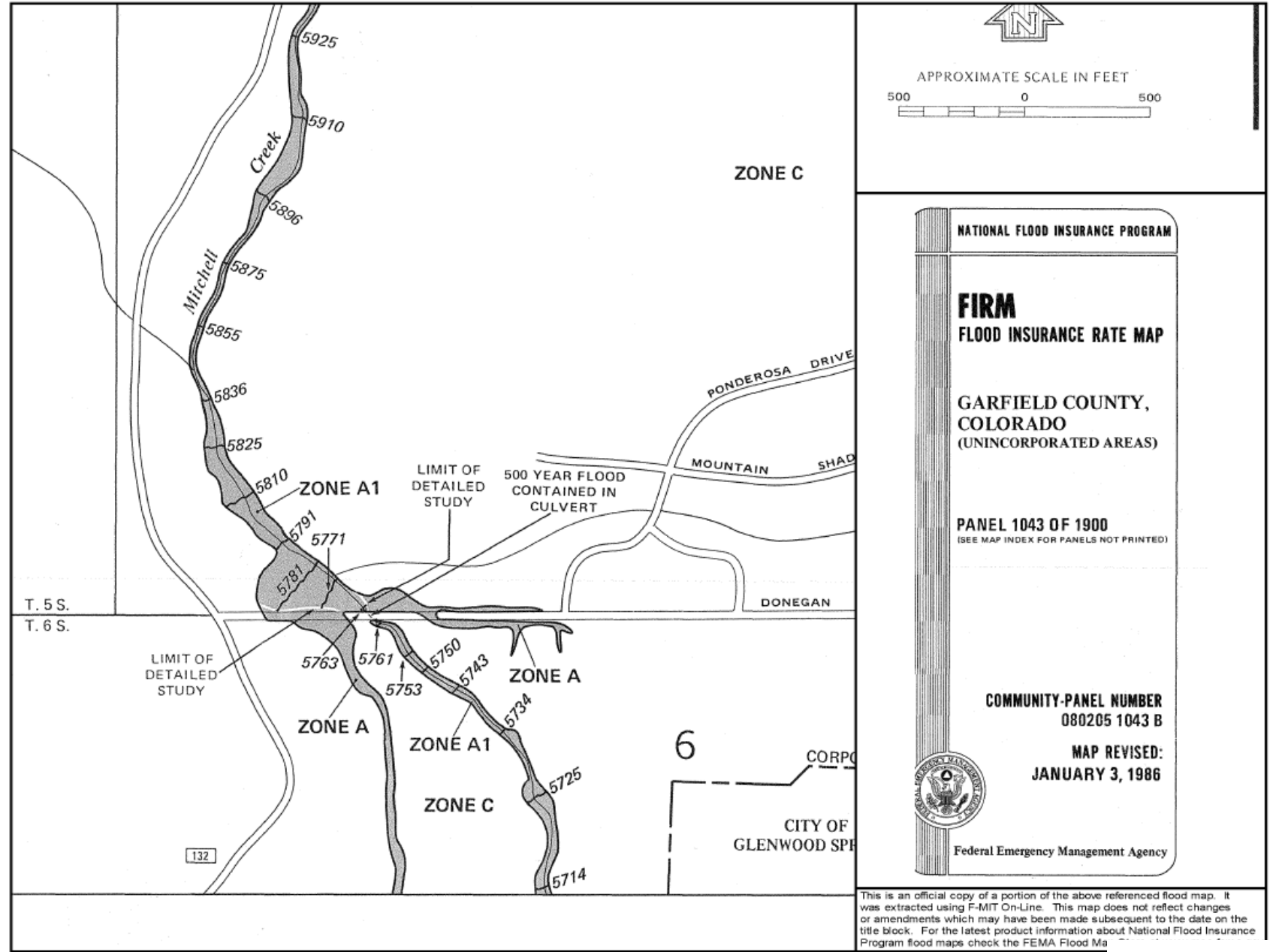
- **2006** - Study originally initiated with the USGS due to the need for a post wildfire study.
  - Collected survey and topography
  - New hydrology and hydraulics and floodplain mapping
- **2005** – the CWCB started a project to update the Garfield County Maps
  - Goal to incorporate the USGS study into ongoing CWCB Countywide project.
  - FEMA had to adjust the USGS study to meet FEMA Guidelines and Specifications.
- **Oct 26, 2011** – Preliminary Maps new study originally presented.
  - 2012 - Public review period – received data which showed an error in the USGS survey
- **Oct. 15, 2015** – Preliminary Maps included Mitchell Creek study upstream of Donagan Road and reverted back to the effective downstream of Donegan Road to I-70.
- **Fall 2015** – FEMA hired Compass to update Mitchell Creek from Donegan Road to I-70 to address the survey error.
  - Update survey
  - Amend the hydrology
  - Hydraulics and floodplain mapping
- **June 2018** – New Mitchell Creek Mapping was published
- **June 11, 2019** – Mitchell Creek Mapping was effective



# Previous Mapping

January 2, 1986

Limited detail with minimal development



# Update to Hydraulics

- New flood discharges
- Updated survey data
  - Corrects previous survey errors
- The main channel does not contain the full discharge
- Flows split
  - Primarily occur at road crossings
    - Donegan Road and Center Drive
  - Not “channelized”
- Flows overtop Interstate 70

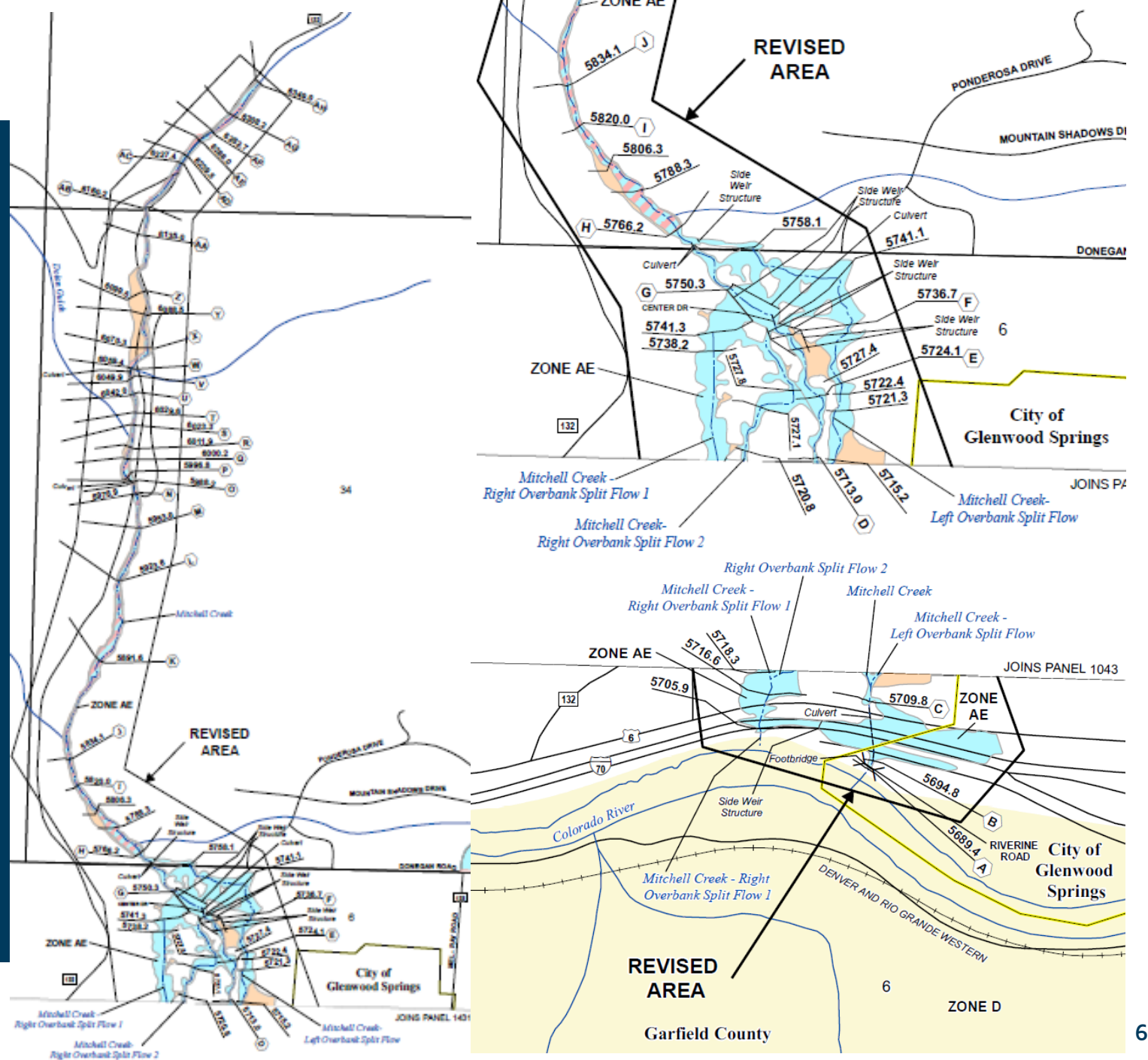
# Updated Mapping

Effective June 11, 2019

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway

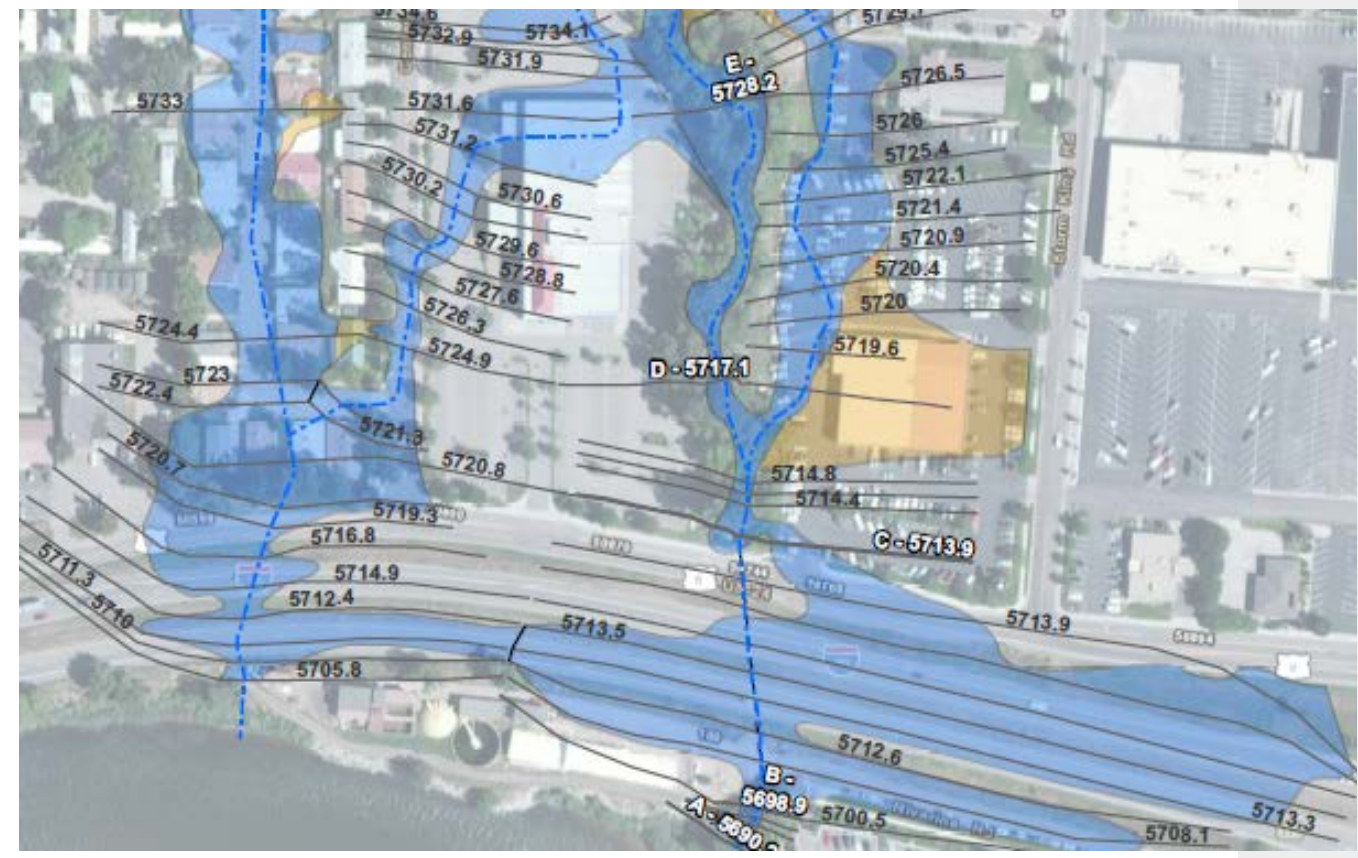
  

OTHER AREAS OF FLOOD HAZARD	0.2 % Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee See Notes. Zone E





- - - - - Profile Baseline
- - - - - Culvert
- Footbridge
- Side Weir Structure
- Cross Section
- Zone X, 500 YR
- Zone AE



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# What does this mean for you?

- **If your property is within a High-Risk Area**
  - Flood Insurance is **Required**
    - May not have been required in the past but could be triggered by a refinance or sale/purchase by the mortgage lender.
- **If your home is within a base flood elevation**
  - Elevation certificate is Grandfathered
  - Flood Insurance is **Required**
    - May not have been required in the past but could be triggered by a refinance or sale/purchase by the mortgage lender.
- **If your property is removed from a High-Risk Area**
  - Low Risk does not mean No Risk
    - 20-30% of flood claims are outside of the high-risk area
  - May not be required to purchase Flood Insurance
    - Review coverage with your agent to determine what is best for you
- **No Change**
  - Review coverage with your agent to determine what is best for you





# Current Efforts

- **2018:** Applied for Flood Mitigation Assistance
- **Late 2019:** Grant funding Accepted
- **2020:** Project was delayed due to COVID Budget impacts
- **2021:** FEMA approved the City to continue forward with the Flood Mitigation Assistance
- **2024:** Revisions to the Roaring Fork and Colorado Mapping Adoption



# Flood Mitigation Assistance

- For the planning and analysis of flood mitigation through Mitchell Creek
  - A consultant will review the mapping and facilities along the Creek
  - Determine potential improvements to better contain a flood event within the channel
  - **These planning efforts, if implemented, do not guarantee the removal of a flood hazard**
    - The improvements *could mitigate* the potential damage caused during a flood event
  - Planning is only for City Facilities, does not include County or CDOT
- **Only funded for planning and design, not construction**



# Next Steps

- **Timeline:**

- **June 2021:** Issue Request for Qualifications/Proposal for the selection of a design consultant
- **June/July 2021:** Consultant Selection
- **Fall/Winter 2021:** FEMA Site Visit
- **December 2021:** Final Design
- **Spring 2022:** Present to Neighborhood/Public
- **Spring/Summer 2022:** Present to City Council
- **Summer/Fall 2022:** Evaluate improvements and potential budgeting in 2023





# Questions?

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# Comments and Follow-up

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