



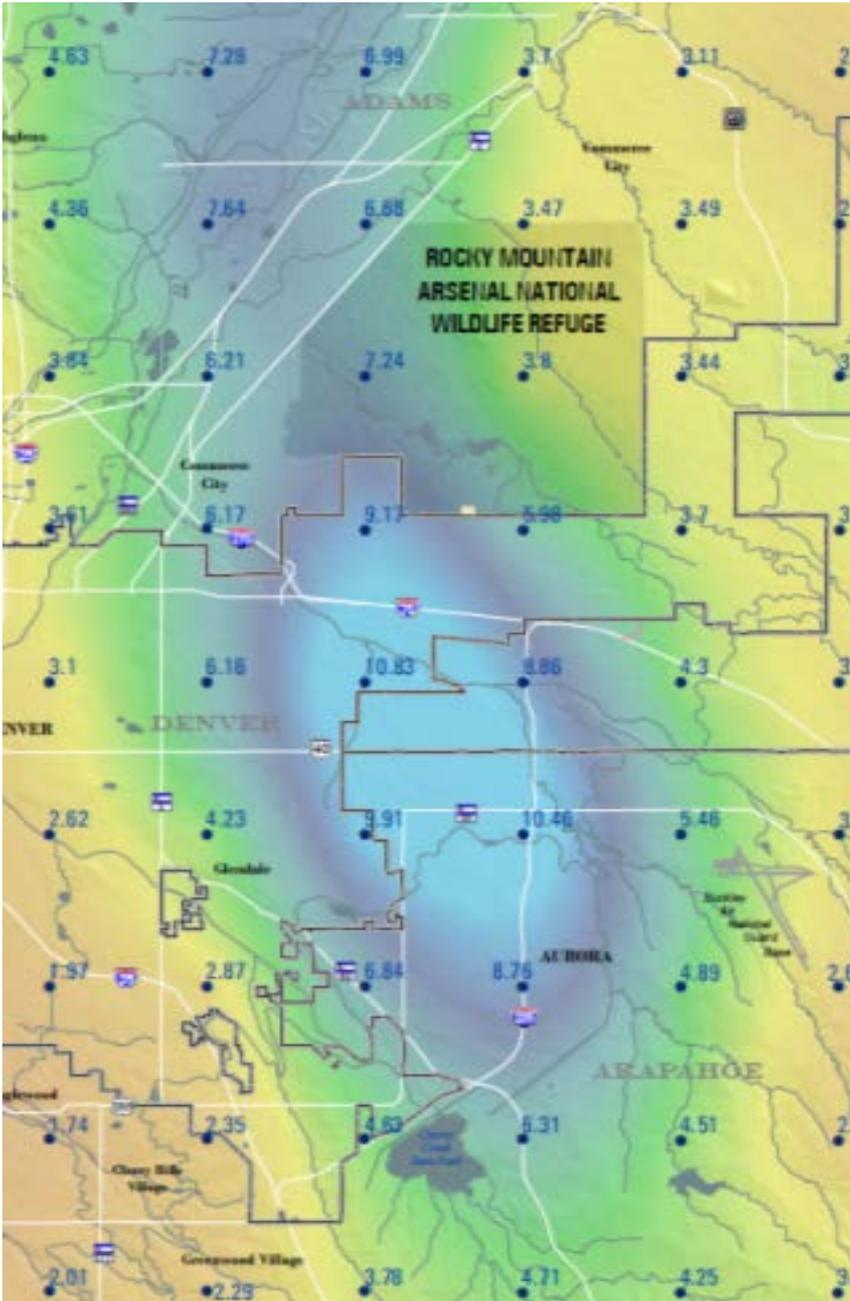
2013 Flood Update and Recognition

City Council – November 18, 2013

Timeline

- Unprecedented rainfall starting Tuesday, Sept. 10 resulting in devastating flooding
- Commerce City received as much as 10 inches of rain
- September annual average in Denver is 1.3”
- Significant runoff from upstream into the City
 - Aurora into Sand Creek
 - Denver into RMANWR



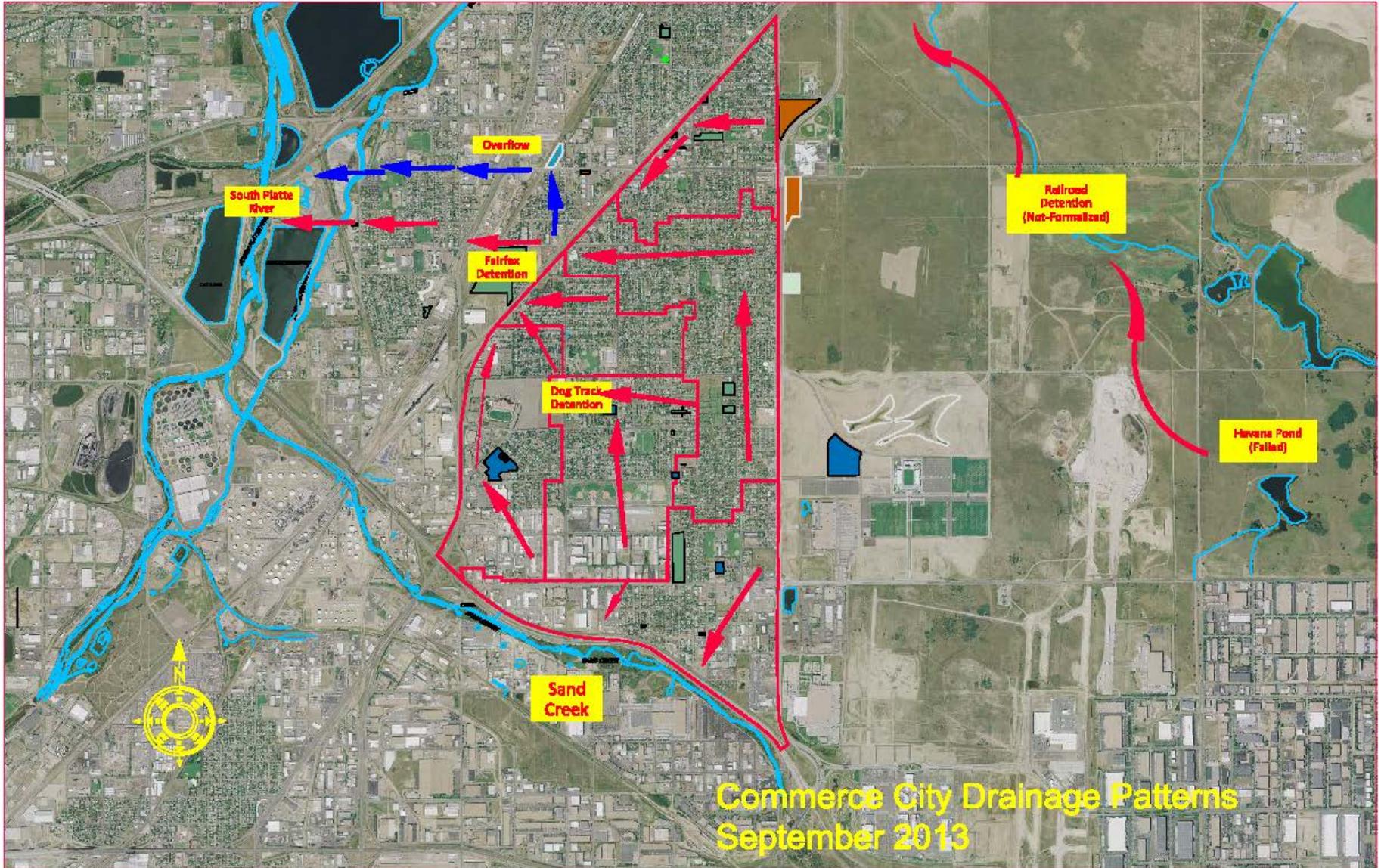


Rainfall Analysis

- Source: US Fish and Wildlife Service



Drainage Patterns



Emergency Response

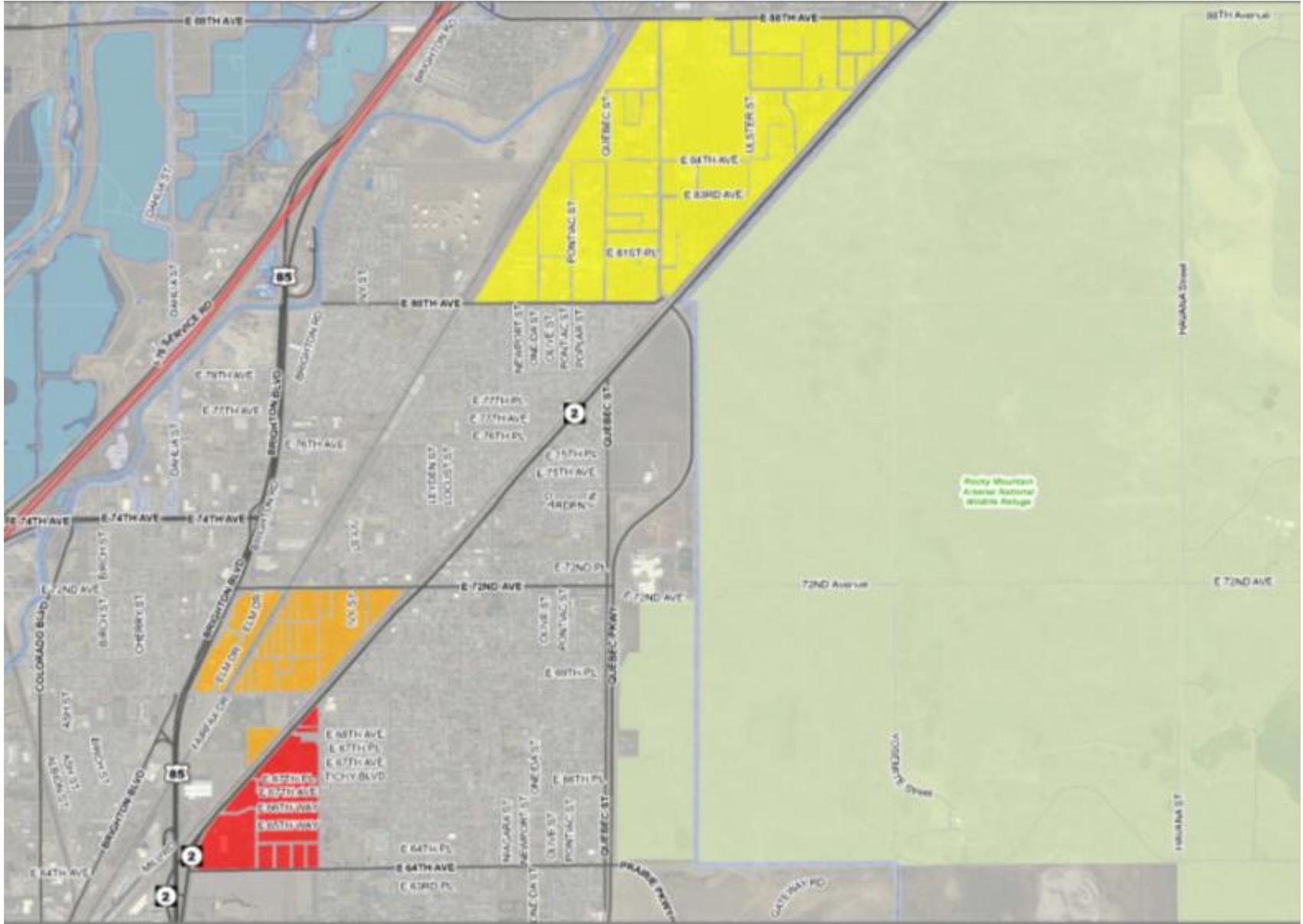
- City coordinated emergency response to the flooding began early morning September 11 and continued through September 16
 - No loss of life or injuries
 - No significant structural damage
 - Significant damage to trail facilities
 - Consistent communication with community and other audiences



Emergency Response

- Coordination
- Road Closures
- Evacuations
- Shelter
- Disaster Assistance Center





Legend

- Fairfax Park Neighborhood
- Irondale Neighborhood
- North of the Dog Track Neighborhood

Evacuation Areas

September 2013

After Action Report

- 1,190 calls for service via ADCOM
- 35 outside entities assisted the City
- 10 agencies involved in the Incident Command
- Nearly 400 calls were received in the ad hoc call center in Police Records
- Shelter housed nearly 150 people
- 114 animals evacuated
- Closure of 10 miles of roads



After Action Report

- Identified a total of 12 specific areas of improvement under the following main categories:
 - Technology (software, forms, phones, radios)
 - Communication (weather info, contact info, businesses, situation reports, planning)
 - Training (ICS, long term IEMC)
 - Fatigue





FEMA

City Council – November 18, 2013

FEMA

- FEMA completed Preliminary Damage Assessments in the days immediately following the event
- Thresholds of damage were met, which allowed for federal aid
- Adams County convened a multi-departmental team and invited various agencies
- FEMA opened a Disaster Recovery Center at 4711 E. 69th Avenue (30 days)



FEMA

- Registration of 155 addresses in and around Commerce City (Henderson and Dupont)
- October 15 kick-off meetings in Adams County and one specifically for Commerce City
- Individuals from FEMA will be on-site for two months assisting with paperwork to maximize reimbursements and ensure compliance with a future federal audit



FEMA

- October 21 and 22, City staff met with FEMA during an extensive field visit and review of the required financial documentation
- Category A and B emergency work was approved in the initial stage of the event
- Category C through G permanent work was approved after the preliminary damage assessments



FEMA - Categories

- Emergency Work
 - A) Debris
 - B) Emergency Protective Measures
- Permanent Work
 - C) Roads and Bridges
 - D) Water Control Facilities
 - E) Buildings and Equipment
 - F) Utilities
 - G) Other



FEMA

- Damage assessments are due 60 days from the kick-off meeting
- Emergency work (A & B) shall be completed within 6 months
- Permanent work (C-G) shall be completed within 18 months
- 75% of projects may be reimbursable by FEMA
- 12.5% by the State
- 12.5% local funding



FEMA

- Current project cost estimates are \$718,906
- Staff is assisting Metro Wastewater with coordination with FEMA for the Sand Creek confluence repairs
- Detailed report from Parks, Recreation, and Golf outlining impacts to all three divisions



RMANWR

- The Havana Ponds dam structure failed at the RMANWR
- Staff is participating in meetings between USFWS, UDFCD, and Denver
- Initial road repairs on the Refuge have been completed
- Denver will be the lead agency and UDFCD will ensure the dam repairs meet state safety requirements
- Previous deficiencies will be remedied



FEMA

- Everyone who believes they may be impacted is strongly encouraged to register with FEMA
- 800-621-FEMA (3362)
- www.DisasterAssistance.gov
- Registrations extended to November 30, 2013



Community Reach Center

- Anyone in Adams County experiencing a crisis related to flooding, contact:
 - Colorado Spirit Crisis Counseling / Flood Recovery Program / Community Reach Center Team
 - 303-853-3500
 - www.communityreachcenter.org



¿Has sido afectado por las inundaciones en el condado de Adams?

Por favor, póngase en contacto con los siguientes recursos de ayuda:

Community Reach Center
www.communityreachcenter.org
(303) 853-3500

Para asesoramiento Crisis
En relación con las inundaciones.

FEMA

www.disasterassistance.gov
1 (800) 621-3362

Solicitar asistencia por desastre
En relación con las inundaciones.

Community Reach Center
8931 Huron Street
Thornton, Colorado 80260

PRSR STD
U.S. POSTAGE
PAID
PERMIT NO. 4470
DENVER, CO

Have you been impacted by the recent floods in Adams County?

Please contact the following resources for support:

Community Reach Center

www.communityreachcenter.org

(303) 853-3500

For Crisis Counseling
Related to the Floods.

FEMA

www.disasterassistance.gov

1 (800) 621-3362

Register for Disaster Assistance
Related to the Floods.



FEMA

Charitable Giving

- October 15, Gov. Hickenlooper announced new website to facilitate donations
- www.ColoradoUnited.com
- As of November 6, over \$15 million in donations for Colorado flood relief



Long Term Projects

- Possible Mitigation Projects
 - Fernald Trail Pipe Rehabilitation - \$1.26 million
 - Fairfax Park Outfall Improvements - \$7.39 million
 - First Creek Crossing at 96th Avenue - \$600,000
- LIDAR Mapping Project
 - Coordinated with DRCOG
- FEMA Trailers
 - Two year storage area at Mile High Marketplace





Photos

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Photos





Elected Official Briefing September 13





Elected Official Tour September 13



Elected Official Tour September 13



Elected Official Tour



Governor Hickenlooper Tour

October 3



60th Avenue at Sand Creek September 12



5800 Block of Brighton Road September 12



88th and Rosemary
September 12



88th and Rosemary
September 12



DuPont Area September 12



Shady Lane MHP September 12



Havana Pond Dam Failure September 13



Havana Pond Dam Failure

September 13



Havana Pond Dam Failure September 13



Havana Pond Dam Failure September 13



Railroad Dam September 13



Railroad Dam September 13



Railroad Dam September 13



Sand Creek at Brighton Blvd. September 13



Sand Creek at Brighton Blvd. September 13



Sand Creek at Brighton Blvd. September 13



Fairfax Park September 13



Fairfax Park September 13



Fairfax Park September 13



Klein Treatment Plant September 13



Victory Crossing Pond September 13





Questions

- Questions?
- Recognition to follow





Agencies & Private Sector Partners

September Flood Event Recognition

Agencies

- Adams County Animal Control
- Adams County Communications Center
- Adams County Office of Emergency Management
- Adams County Parks & Community Resources Department
- Adams County Public Information Officer
- Adams County Sheriff's Office
- Adams County Sheriff's Office - SWAT unit
- Adams County Transportation Department



Agencies

- Adams County School District 14
- Adams City High School
- Arapahoe County Incident Management Team
- Brighton Police Department
- City & County of Denver Animal Control
- Civil Air Patrol
- Colorado Animal Rescue Team
- Colorado Department of Transportation
- Colorado State Patrol



Agencies

- Colorado State University – Extension
- Douglas County Animal Control
- Douglas County Animal Rescue Team
- Douglas County Office of Emergency Management
- Douglas County Fairgrounds
- Elbert County Sheriff's Office
- Northglenn Ambulance



Agencies

- Northglenn/Thornton SWAT unit
- Red Cross
- RTD
- Salvation Army
- South Adams County Fire Protection District
- South Adams County Water and Sanitation District
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service



Private Sector

- ACE Hardware
- Burlington Northern Santa Fe Railroad
- El Jardin
- G4 Security
- La Casa del Rey
- Suncor
- Target
- Union Pacific Railroad
- Wal-Mart
- Warning Lites
- Waste Management
- Xcel Energy





Thank You

September Flood Event Recognition