

# *Local Hazard Mitigation Planning & Integrating Special Districts*

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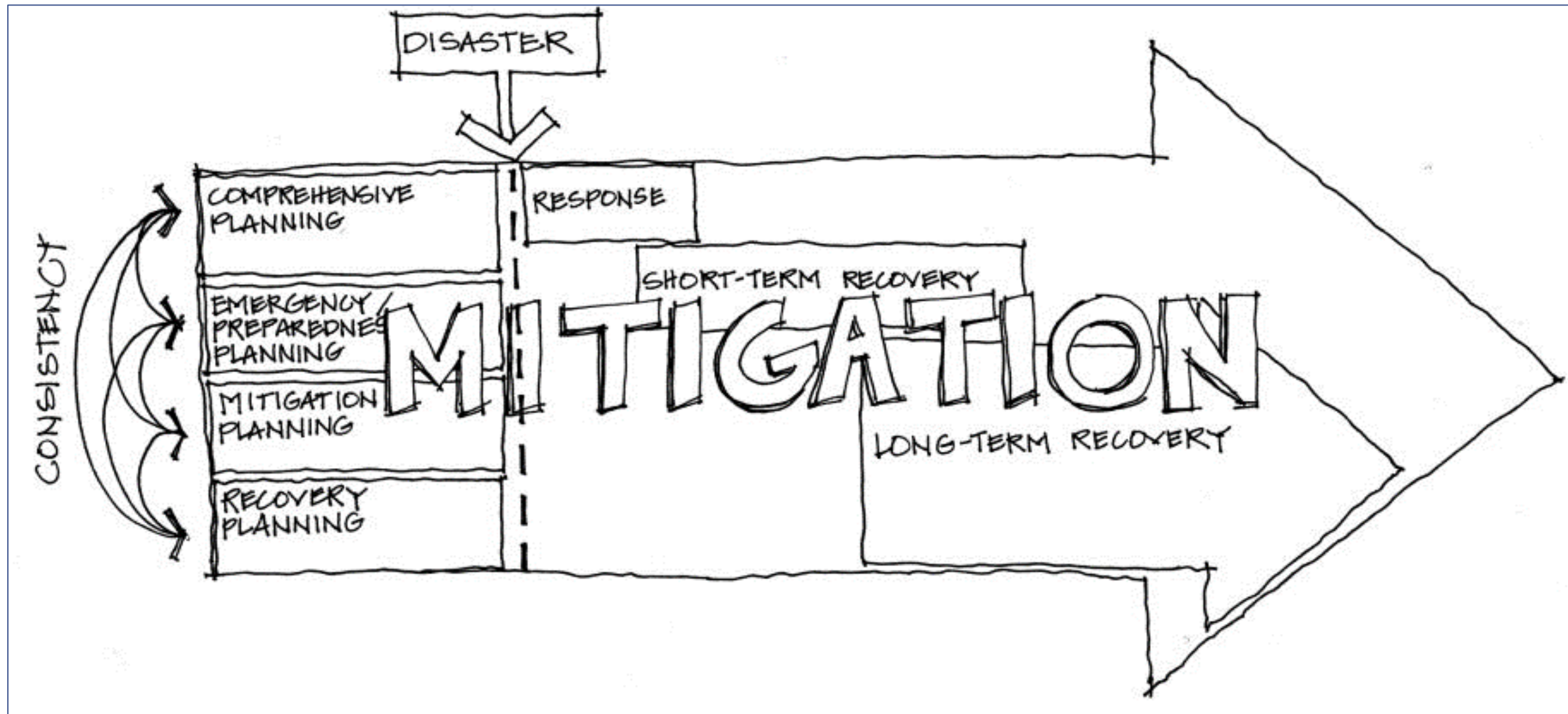
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# Hazard Mitigation

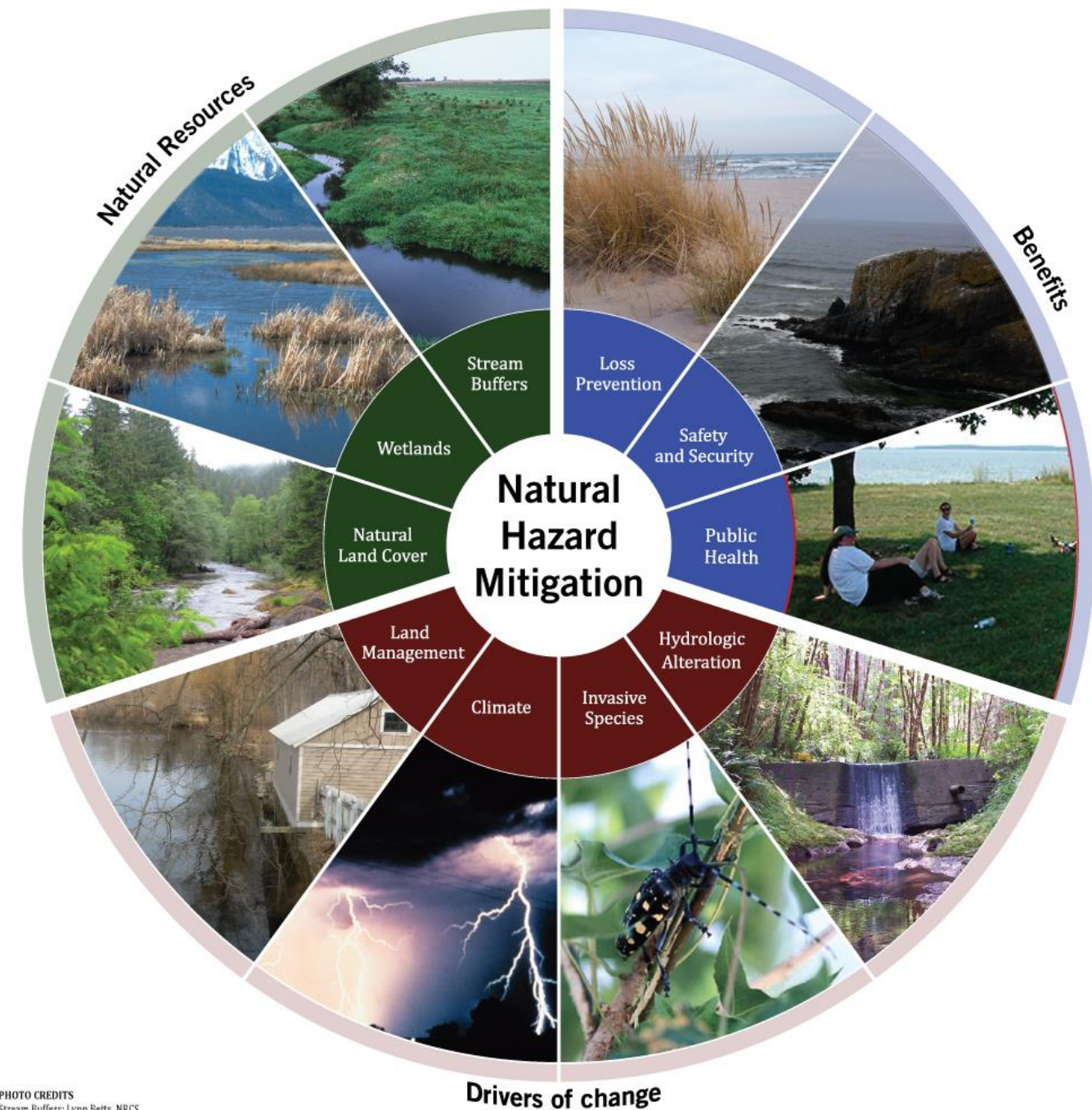
- What is the ultimate purpose of hazard mitigation?
- What consequences are we trying to prevent?



Source: Masterson et al, 2014; Modified from Schwab, 1998; Lindell, Prater, and Perry, 2007



# Natural Hazard Mitigation



**PHOTO CREDITS**  
 Stream Buffers: Lynn Betts, NRCS  
 Wetlands: Ron Nichols, NRCS  
 Natural Land Cover: Jessica Jahre, EPA contractor  
 Land Management: Jessica Jahre, EPA contractor  
 Climate: NOAA Photo Library, NOAA Central Library, OAR/ERL/NSSL  
 Invasive Species: Michael Smith, USDA  
 Hydrologic Alteration: Laurie Bernstein, U.S. Forest Service  
 Public Health: NOAA, NMFS  
 Safety and Security: Jessica Jahre, EPA contractor  
 Loss Prevention: Royalbroil, Wikimedia

This EnviroAtlas eco-wheel was created by Jessica Jahre, EPA contractor

- Sustained action taken to reduce or eliminate long-term risk from hazards.
- Reduce the future demand for, and rising costs of, disaster response and recovery.



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# Benefits of Hazard Mitigation

Aligns risk reduction priorities and focuses resources on greatest risks

Promotes building partnerships



Increases awareness of hazards and risk

Identifies cost-effective actions for risk reduction



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# Benefits of Hazard Mitigation (continued)

## More Mitigation Measures, More Savings



**One dollar invested in mitigation =  
13 dollars U.S. saves in future costs**



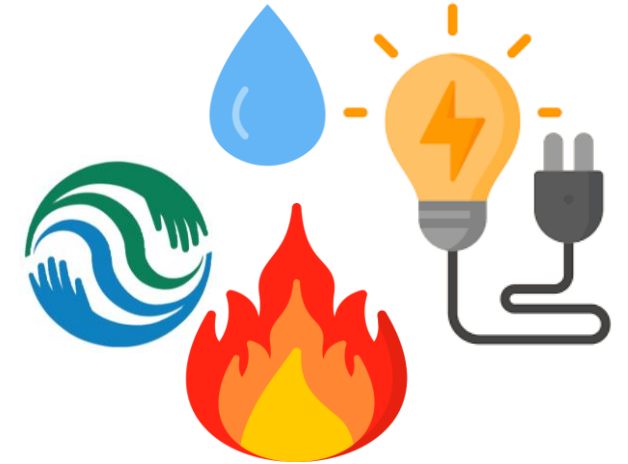
# Hazard Mitigation Planning



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Identify risks and vulnerabilities

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Develop long-term strategies to reduce or eliminate impacts

Reduce loss of life and property

Break the disaster cycle

Develop sustainable and resilient solutions

Prioritize funding



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# Integrating Special Districts



**ARKANSAS BASIN  
ROUNDTABLE**



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# Jefferson Conservation District

“Conservation districts have the duty to plan, advise, implement projects, and educate people on issues surrounding natural resources.” - <https://jcd.colorado.gov/about-us/our-story>

Jefferson County Hazard  
Mitigation Plan Participant

Project: Wildfire Mitigation

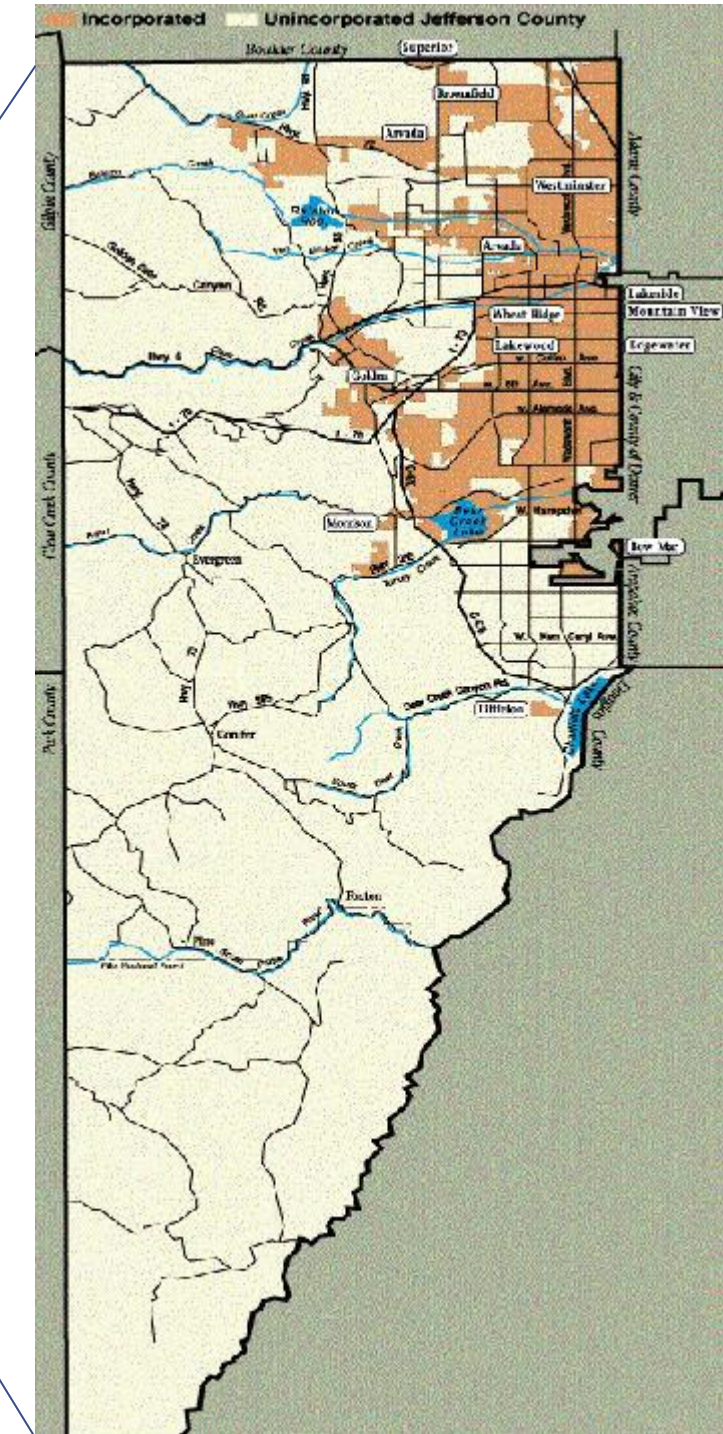
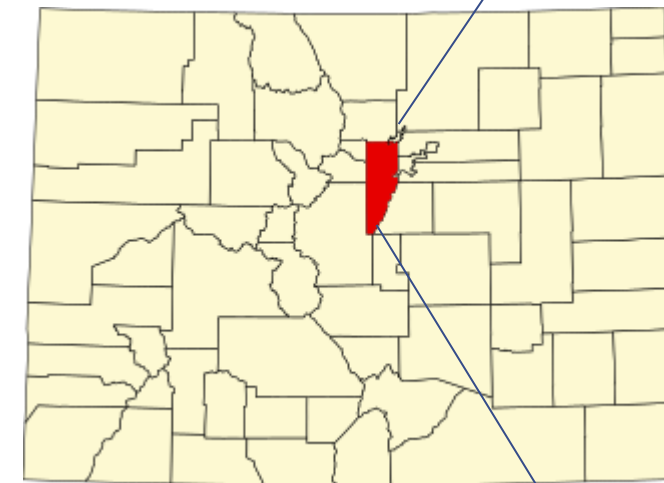
Phase 1: \$230,977.78

Total Project: \$7,542,633.00

Federal Share: \$5,962,393.96

State Match: up to \$825,601.34

Local Share: \$754,637.70 (10%)



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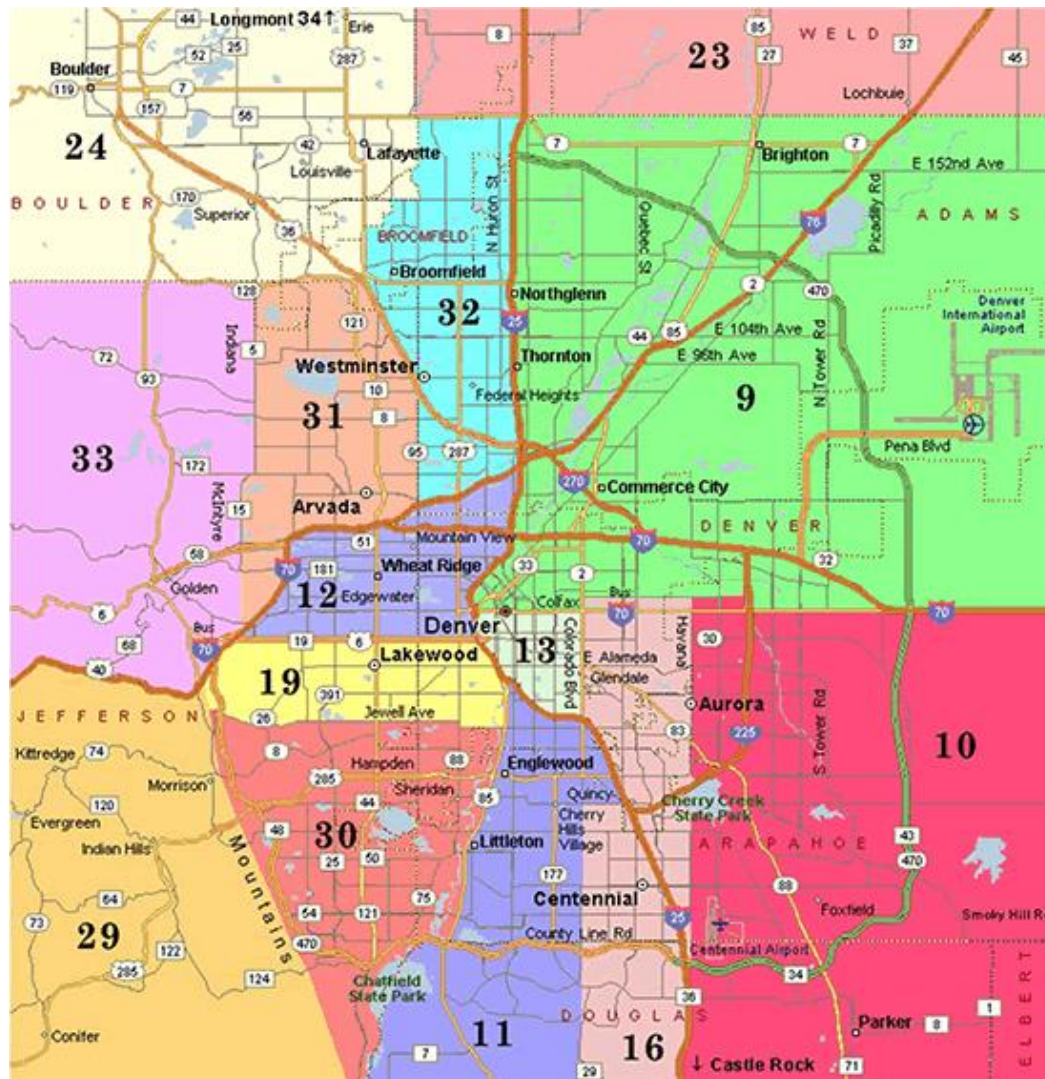
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# Mile High Flood District

“Together, we protect people, property, and our environment through preservation, mitigation, and education.” - <https://www.mhfd.org/about>

Jefferson County Hazard Mitigation Plan Participant



Denver Metropolitan Area



Mile High Flood District



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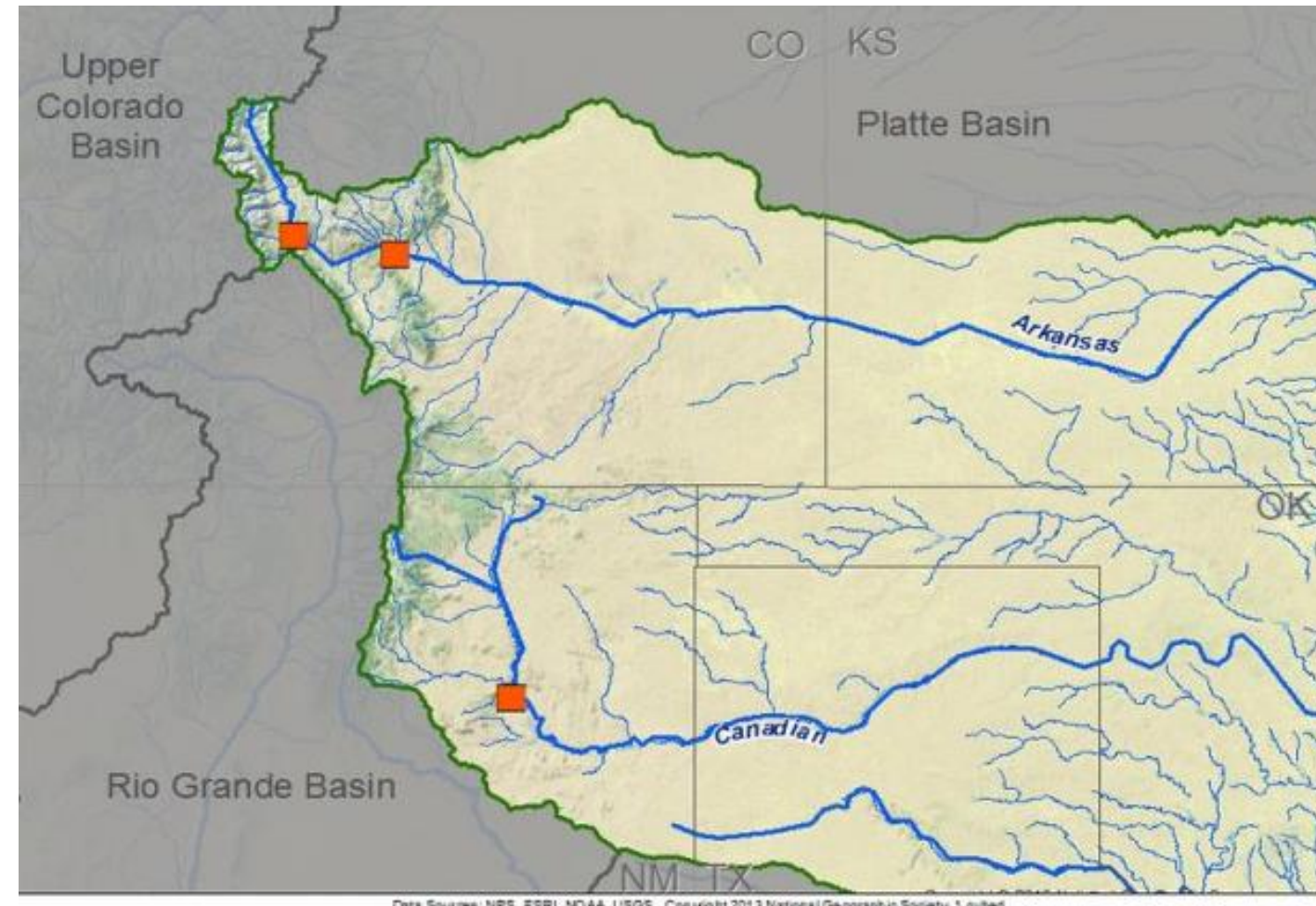
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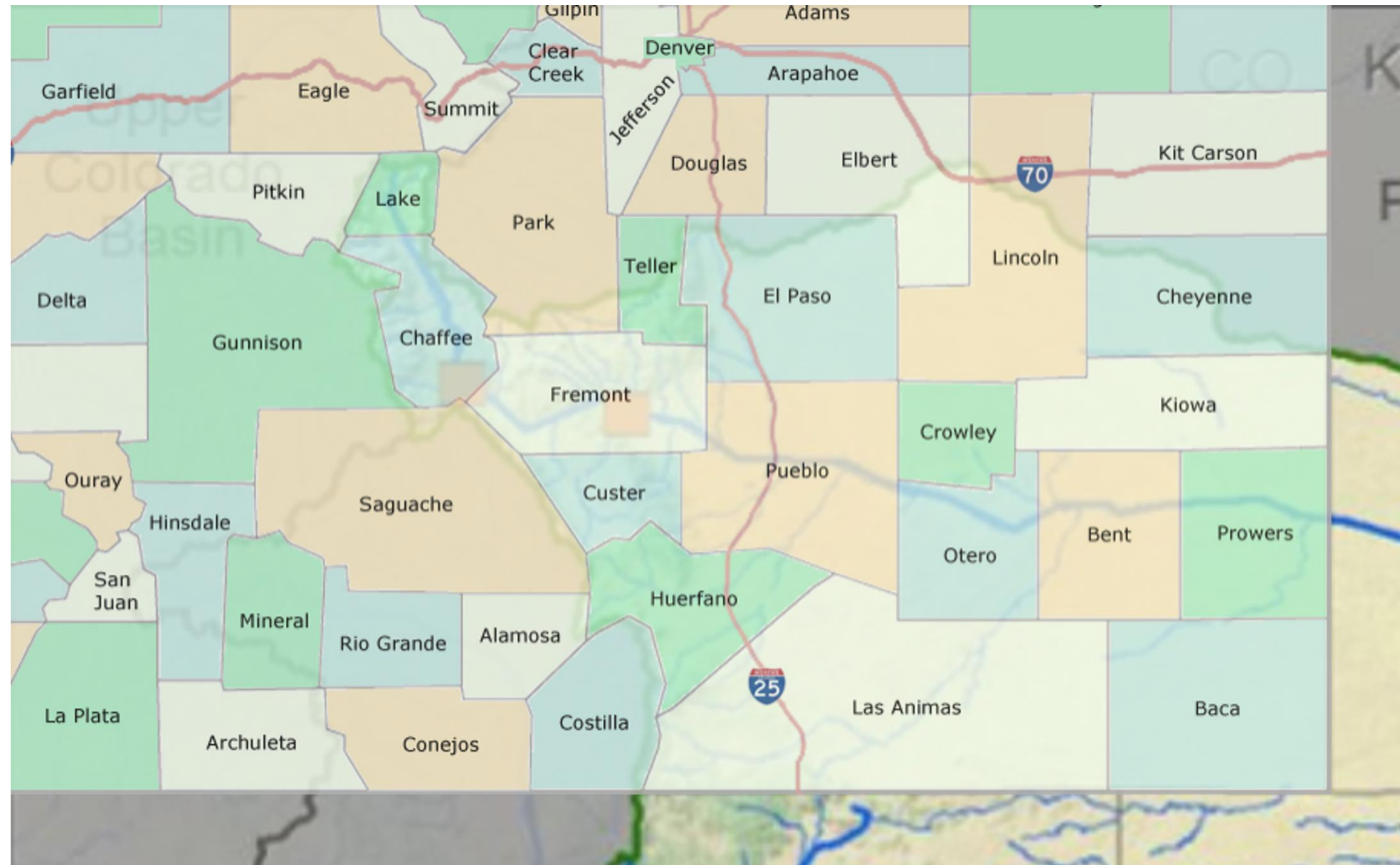
# Upper Arkansas River Basin

Problem: Deposition of sand in the Upper Arkansas River Basin from non-natural water bodies requires annual dredging at a cost of ~\$1 million. The deposition and continuous dredging is a burden for agricultural producers and is leading to problems in the river and surrounding ecosystem.



# Upper Arkansas River Basin

(continued)



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# Bringing It All Together

Hazard mitigation  
planning

- ★ Community-wide effort
- ★ Tangible results
- ★ Benefits everybody

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How can you get  
involved?

- ☐ Contact the city or county Emergency Manager
- ☐ Contact the state's Hazard Mitigation Officer
- ☐ Find more at:  
[fema.gov/emergency-managers/risk-management/hazard-mitigation-planning](https://fema.gov/emergency-managers/risk-management/hazard-mitigation-planning)



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# Discussion



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