



2023 Disaster Education & Outreach Series

Lessons Learned on Fire Behavior from Marshall Fire

April 20, 2023

Emily Hogan, Lisa Ritchie – City of Louisville

Allison James – Town of Superior

Chief Sterling Folder – Mountain View Fire Rescue

Chief John Willson – Louisville Fire Protection District

Seth McKinney – Boulder County Sheriff's Office

Rocco Snart – Colorado Division of Fire Prevention & Control

Community Wildfire Protection Plan

January 30, 6-8 PM

Louisville Recreation & Senior Center
(900 W Via Appia Way, Louisville, CO) or
[virtually via Zoom](#), view the [recording](#) and
[presentations](#)

Learn about Community Wildfire Protection Plans, their purpose, vision and goals and the 2023 update process for Boulder County's CWPP and opportunities for public input.

Wildfire Risk Assessment Open House

February 6, 6-7 PM

Louisville Recreation & Senior Center
(900 W Via Appia Way, Louisville, CO) or
[virtually via zoom](#), view the [recording](#)
and [presentation](#)

Learn about Louisville's Wildfire Risk Assessment, which seeks to identify hazards and risks and the development of mitigation opportunities for public lands, and share your feedback.

Emergency Preparedness & Notifications

February 13, 6-8 PM

Louisville Recreation & Senior Center
(900 W Via Appia Way, Louisville, CO) or
[virtually via Zoom](#), view the [recording](#) and
[presentation](#)

Hear from experts on how to prepare for future emergencies and learn about Boulder County's emergency notification systems and what recommendations from the Marshall Fire After-Action Report are in process.

Reducing Your Risk at Home

February 27, 6-8 PM

Louisville Recreation & Senior Center
(900 W Via Appia Way, Louisville, CO) or
[virtually via Zoom](#), view the [recording](#) and
[presentation](#)

Hear from experts on what homeowners can do to reduce risk on their property and the greater community from wildland fire, including improving building performance, home hardening, landscaping and available resources.

Lessons Learned on Fire Behavior from Marshall Fire

April 20, 6-8 PM

Louisville Recreation & Senior Center
(900 W Via Appia Way, Louisville, CO) or
[virtually via Zoom](#)

Hear from local and state representatives on the Marshall Fire Facilitated Learning Analysis and what we've learned about weather/atmospheric conditions and fire behavior.

Protecting the Watershed & Water Sources

May 10, 6-8 PM

Superior Community Center
(1500 Coalton Road, Superior) or [virtually via Zoom](#)

Learn about the wildfire mitigation efforts in the watershed areas and why it's important for all communities along the Front Range. Experts will also discuss protecting our local water sources during and after disasters.

Wildfire Risk Assessment Next Steps

May 24, 6-8 PM

Louisville City Hall
(749 Main Street, Louisville, CO) or
[virtually via Zoom](#)

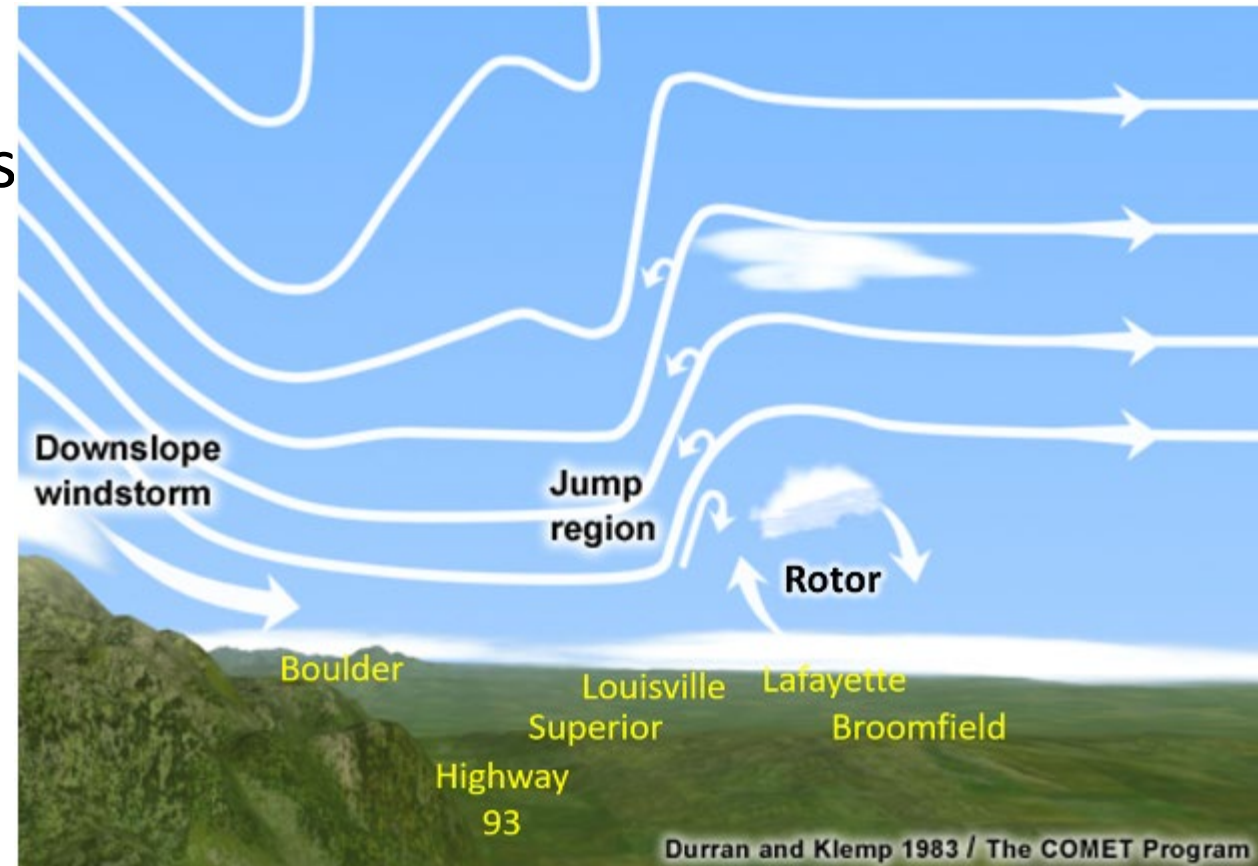
Learn about Louisville's Wildfire Risk Assessment, which seeks to identify hazards and risks and the development of mitigation opportunities for public lands.

What is a Facilitated Learning Analysis?

- A process to get a deeper understanding of what happened after an unintended outcome
- DFPC requested to interview responders, dispatchers directly involved with the Marshall Fire- the interviews were voluntary for those who want to share their story for educational and future training purposes
- Designed to tell the story through the responder's perspectives
- A good FLA will not have causal factors or findings of cause

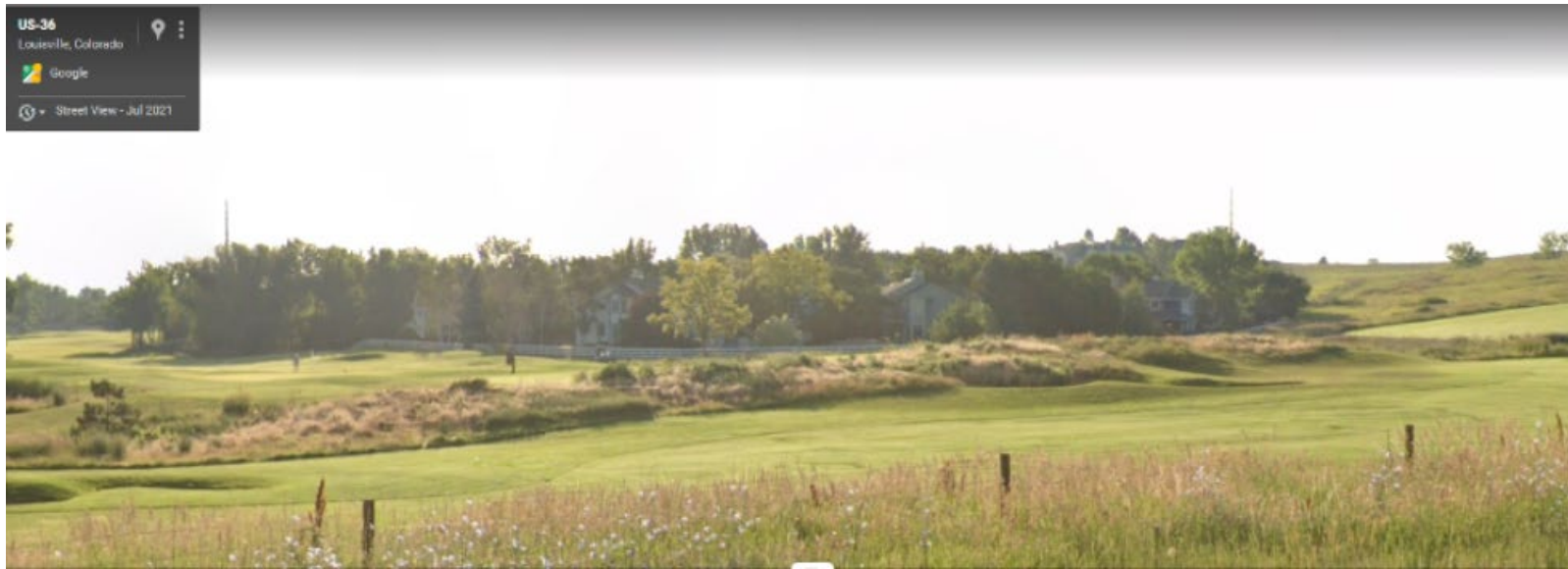
Fire Weather

- The primary driver was an abnormally severe wind event (mountain wave) CO is no stranger to mountain waves
- Driest 2nd half on record (2021)
- December hottest/driest in ~20yrs
- Drought
- Resulted in extremely dry fuels

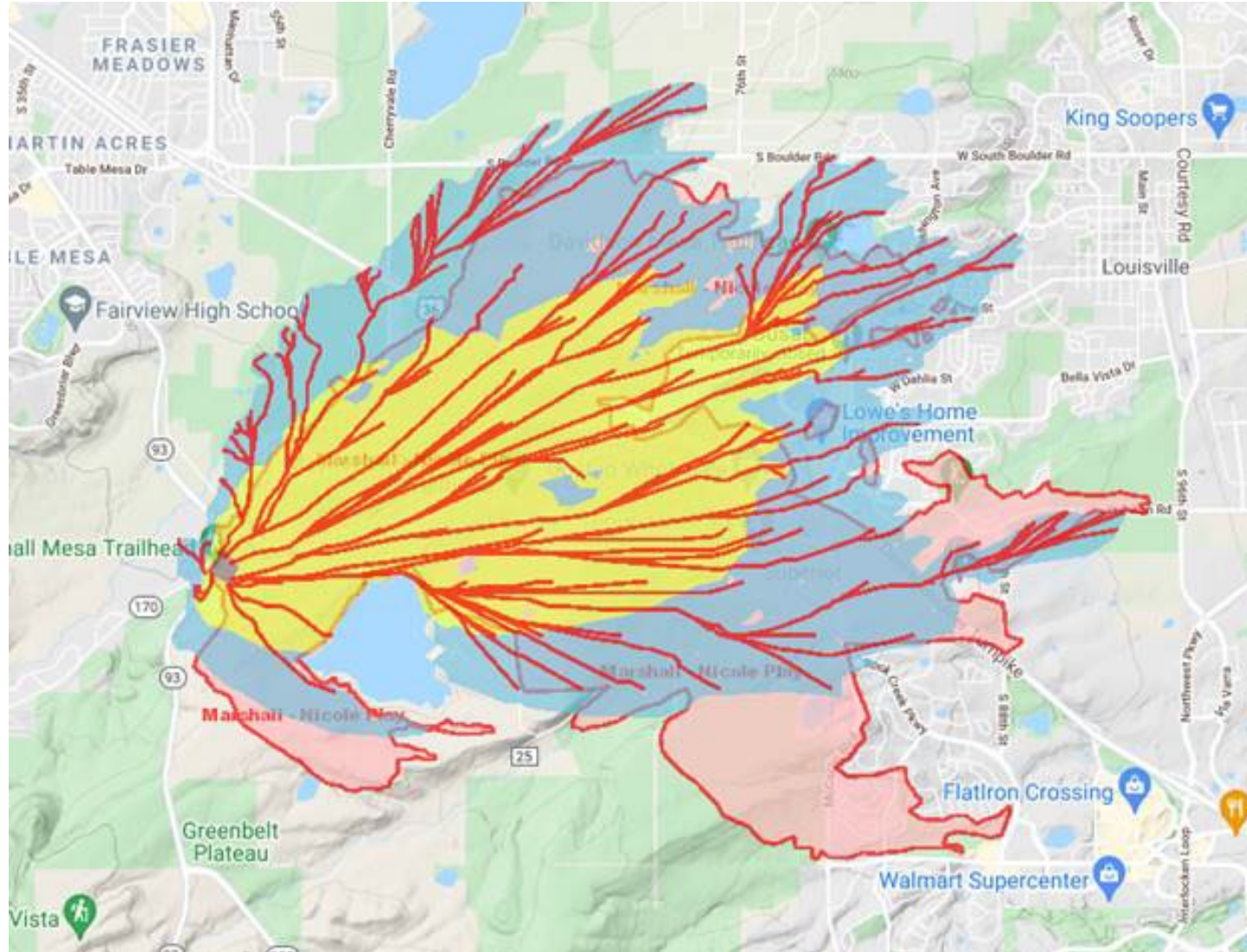


Fire Behavior

- Historically Fire Analysts have modeled grass, shrub, and timber fuels
- Initially the fuels involved were mostly grasses before it became established in the urban fuels
- Advance techniques were required to model the Marshall Fire to simulate fire behavior in an urban environment

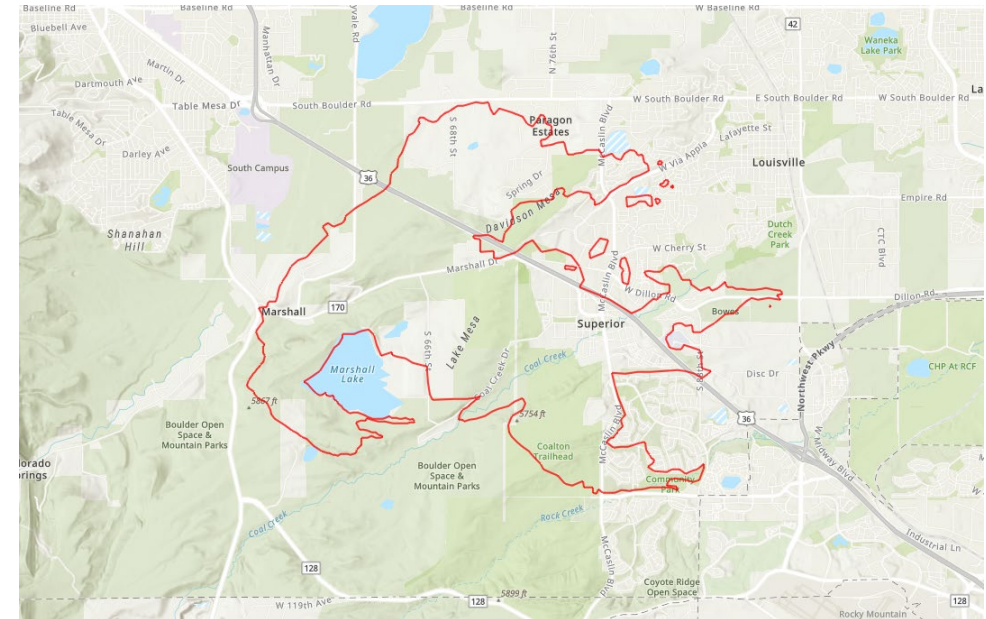


Fire Behavior



Fire Behavior

- The fire behavior exhibited on the Marshall Fire was exacerbated by the alignment of all the conditions that day + an ignition
- Similar types of fire behavior could develop again- in the urban environment there are numerous examples in history with fire extending from wildfires or structure fires
- Questions?



Homeowner Resources

- Learn about home hardening, fire-resistant landscaping and developing an emergency preparedness plan by viewing past outreach sessions from Disaster Education & Outreach Series at www.LouisvilleCO.gov/ResilientLouisville
- Recovery websites
 - Superior - <https://www.superiorcolorado.gov/community/superior-recovers>
 - Louisville - <https://www.louisvilleco.gov/marshallfire>
 - Boulder County - <https://bouldercounty.gov/disasters/wildfires/marshall/>



2023 Disaster Education & Outreach Series

Questions?

Join us for the next outreach session on
Protecting the Water Shed & Water Resources
on May 10 from 6-8 PM at the Superior
Community Center