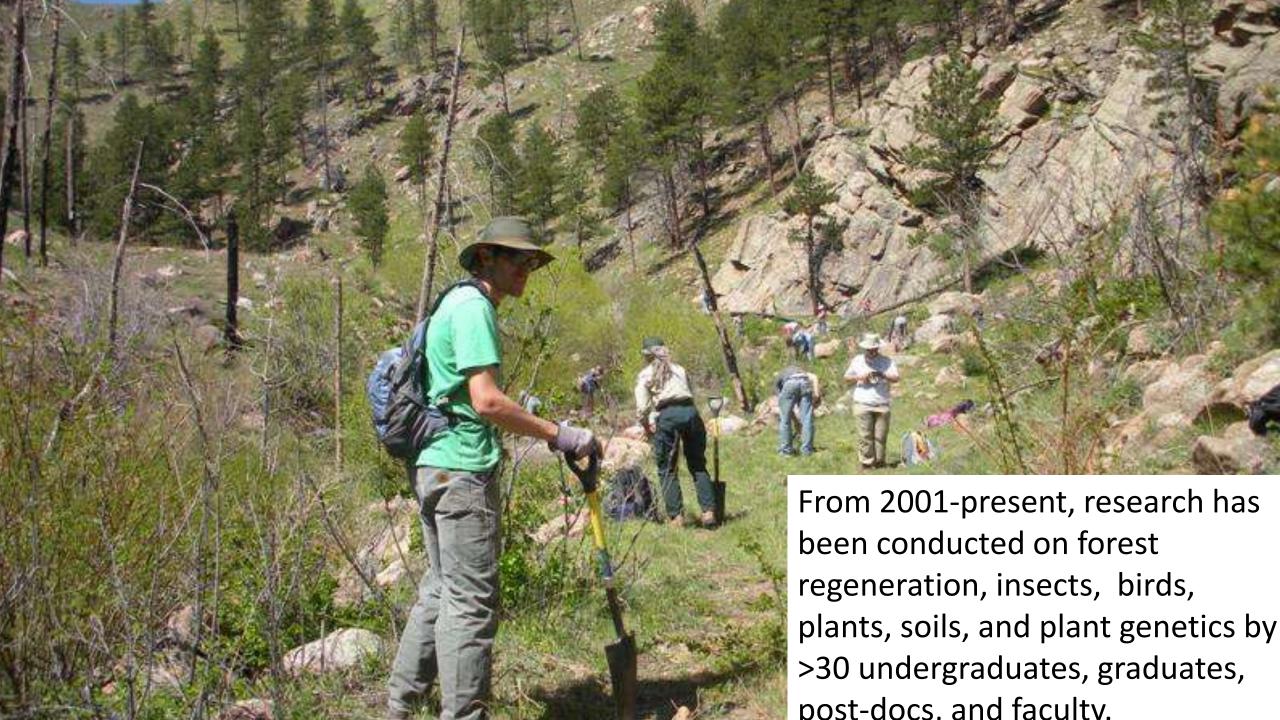


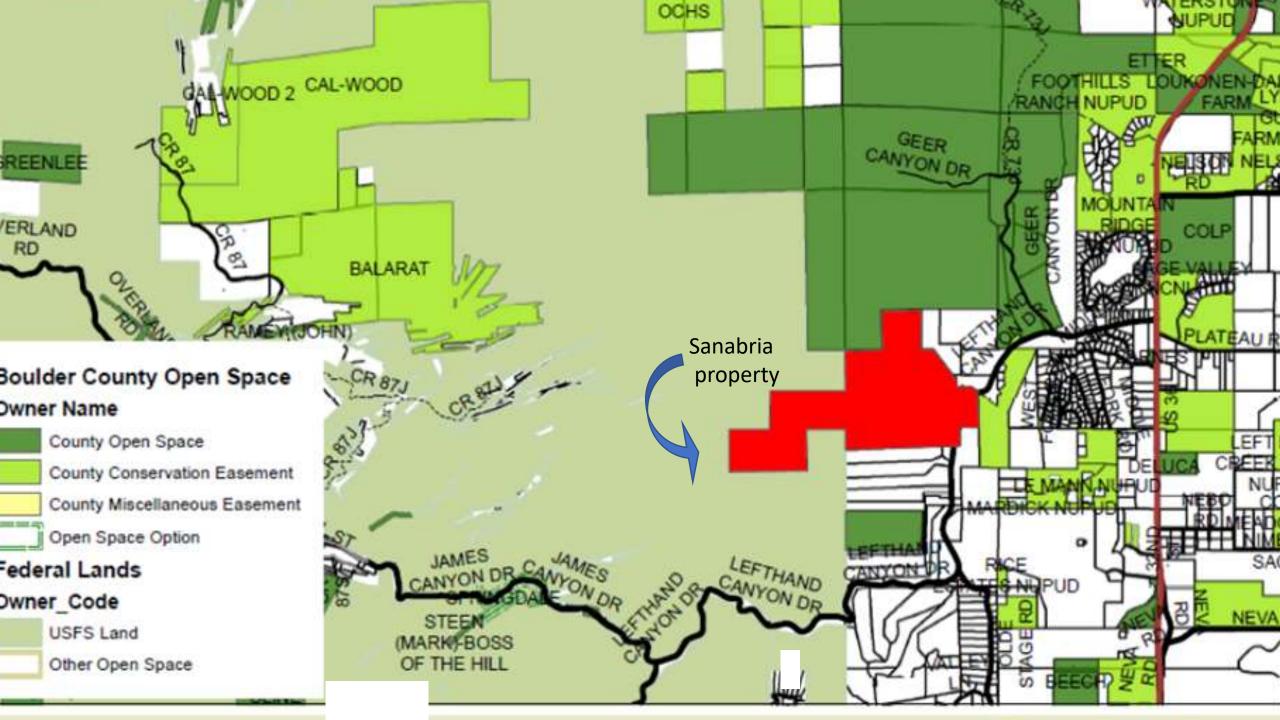


Holubar Mountaineering was started by husband and wife Roy & Alice Holubar in 1947 in Boulder, Colorado.

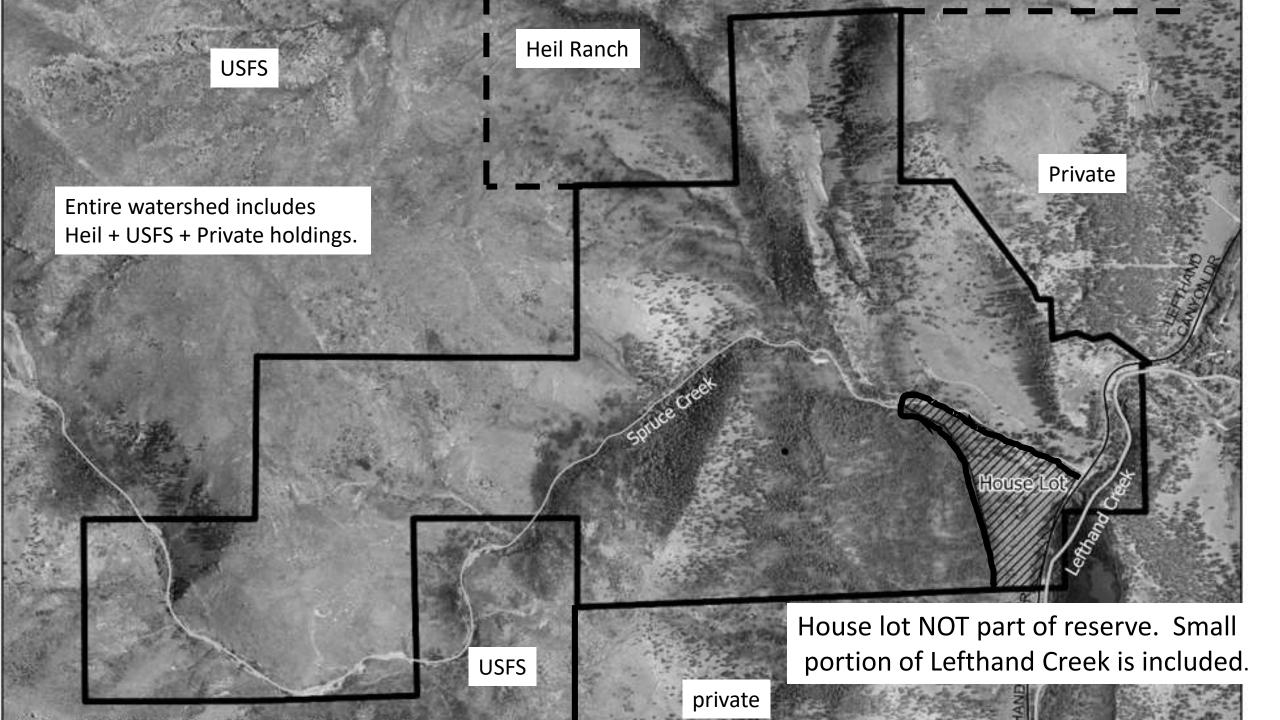
The company has a legendary past, as well as the honor of being the first American Outdoor/Mountaineering brand.

Together they created many of the innovations that are now industry standards; being the first utilize lightweight nylon to fabricate backpacks, tents, and ultimately outerwear. Originally born from a love of the outdoors, almost 75 years later the brand continues to create products with the same passion.











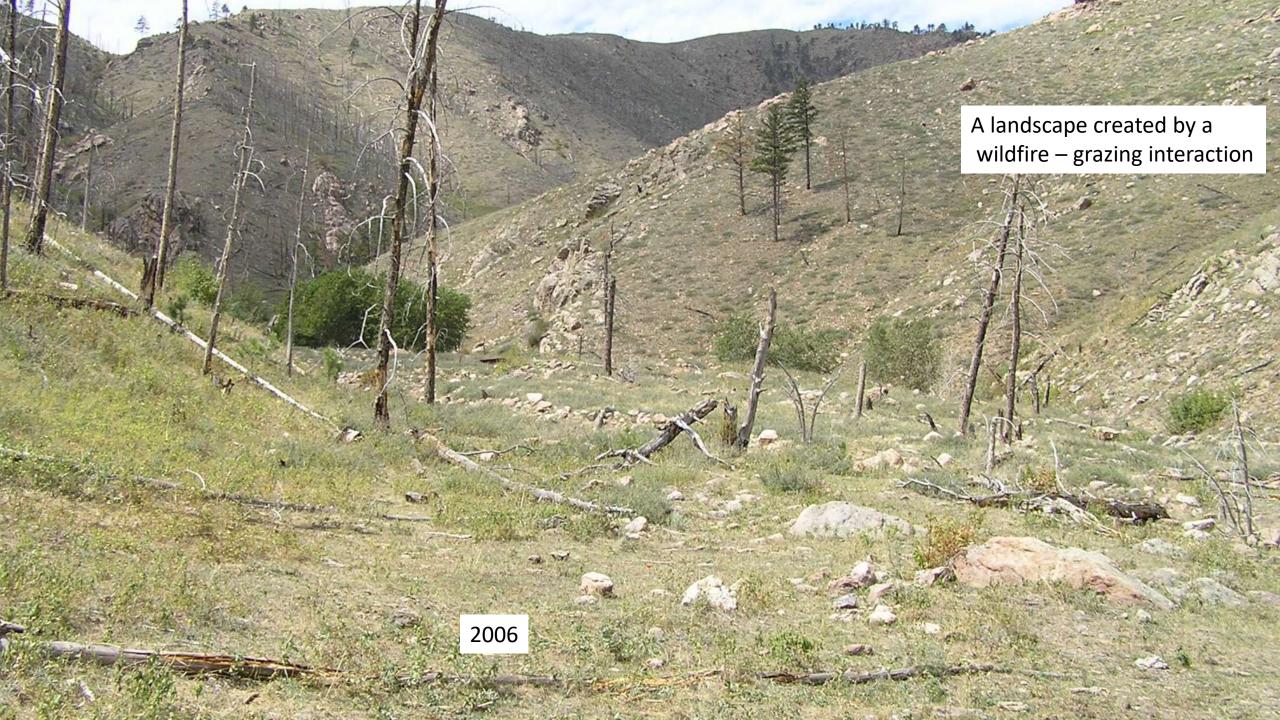
Spruce Gulch: A landscape sculpted by extreme events...with legacy effects:



















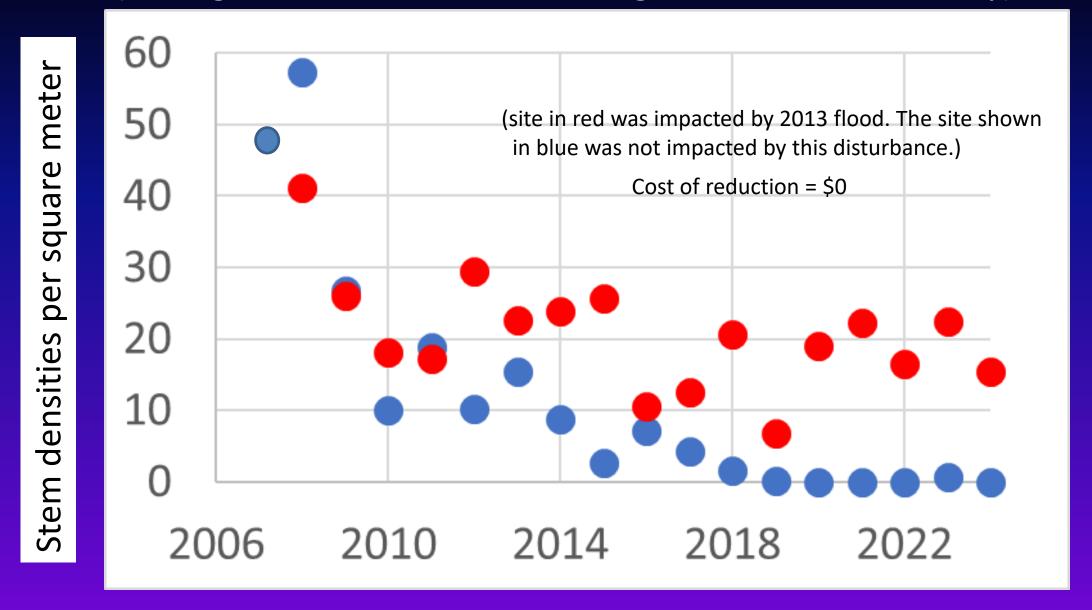


Spotted knapweed (purple flower) and myrtle spurge (yellow-green mats) are two 'to be eradicated' plant species in Spruce Gulch.



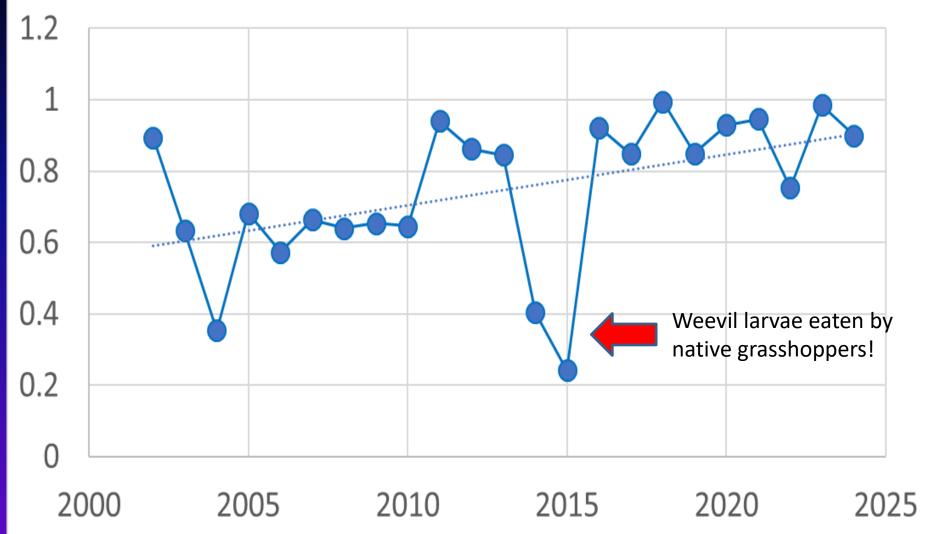


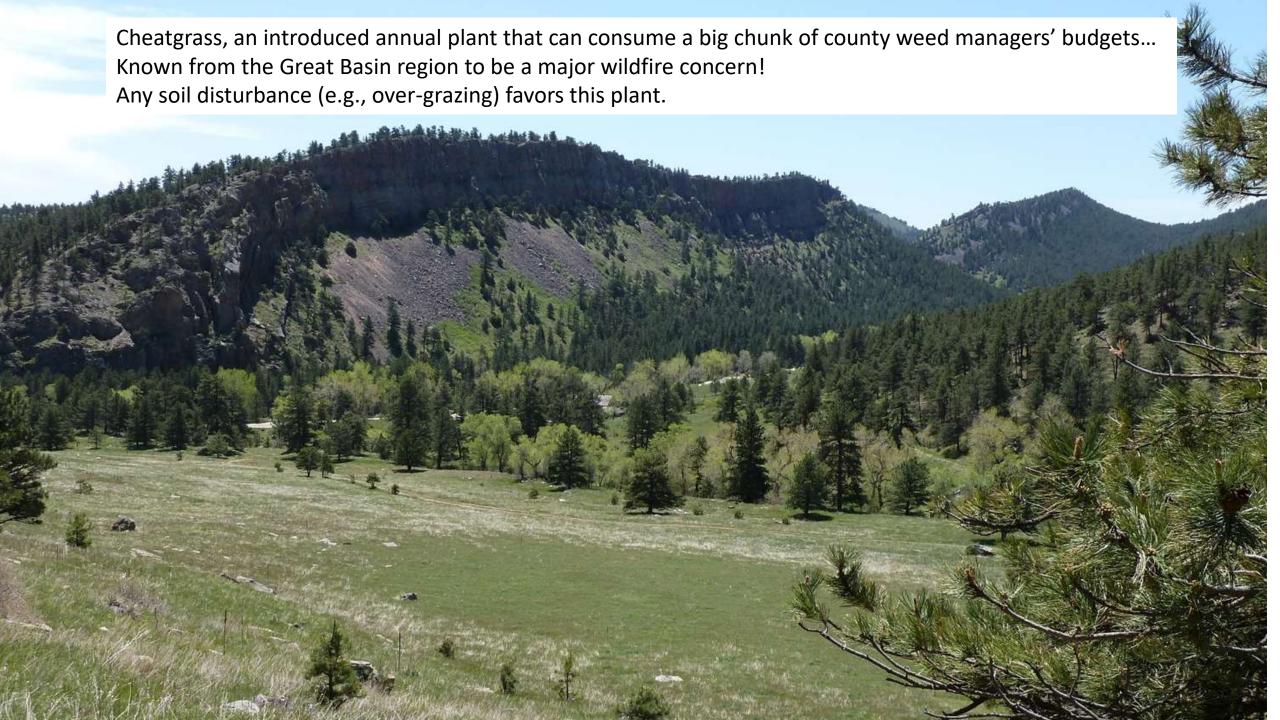
Knapweed densities at two monitoring sites, 2007-2024. (management was limited to biological control insects only)



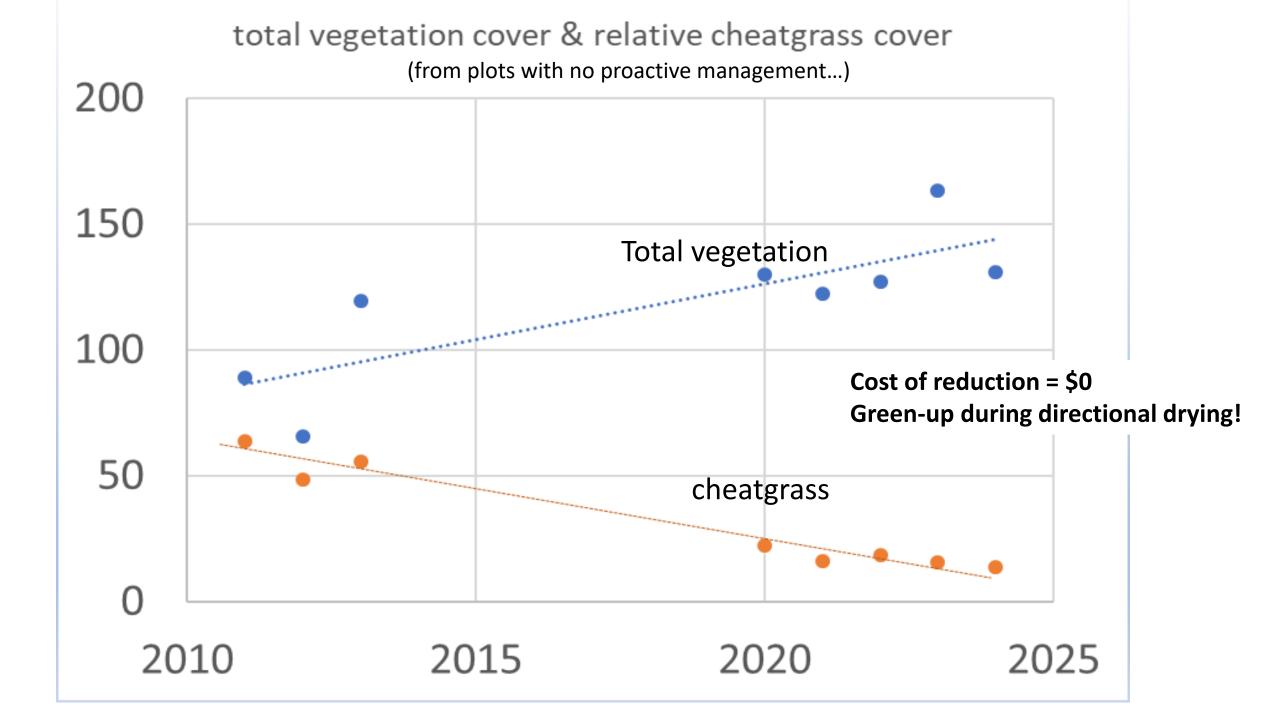
Five insects involved: Weevil larvae per seed head of spotted knapweed, 2002-2024











VOLUNTEERS NEEDED!

TIME TO GRAB A SHOVEL!

THE POISON IVY, **CACTUS, AND RATTLESNAKES DARE YOU!**

DEHYDRATION, HEAT STROKE SUNBURN... HOW ELSE WOULD YOU SPEND A SATURDAY AM?

Sponsored by CU, USFS, County, WRV, VOC



1000s of hours help: Why are these people so happy???



"People say think globally, act locally. Well, if you think globally, it is overwhelming and you do not have enough energy left to act locally. **Just act locally** and see what a difference you can make!"



A restoration action good for your health, good for the community, good for the environment.

The Research Reserve is the potential home for citizen science and land stewards

- 1) Working field trips: A chance to see and learn about what the Front Range might look like when we develop sustainable management programs...in return for a bit of landscape work.
- 2) We also could use some new leaders (Docents, "land stewards").
- 3) We want to know 'who's there', 'why are they are there', how do they impact other species and ecosystem services? (Plant species, butterfly species, breeding bird lists, etc.)
- 4) We welcome environmental advocacy group projects consistent with conservation and research goals. Reintroductions of native species tentatively welcomed...

(Sorry, no prairie dogs or grizzlies!)

The vision of Linda and Sergio Sanabria: The Vision of CU:

Spruce Gulch is a canvas upon which to sculpt a model system that can maximize the conservation and ecological services for the Front Range.

Front Range Sustainable Landscapes **Working** Groups consisting of academics managers, policy makers and stakeholders:

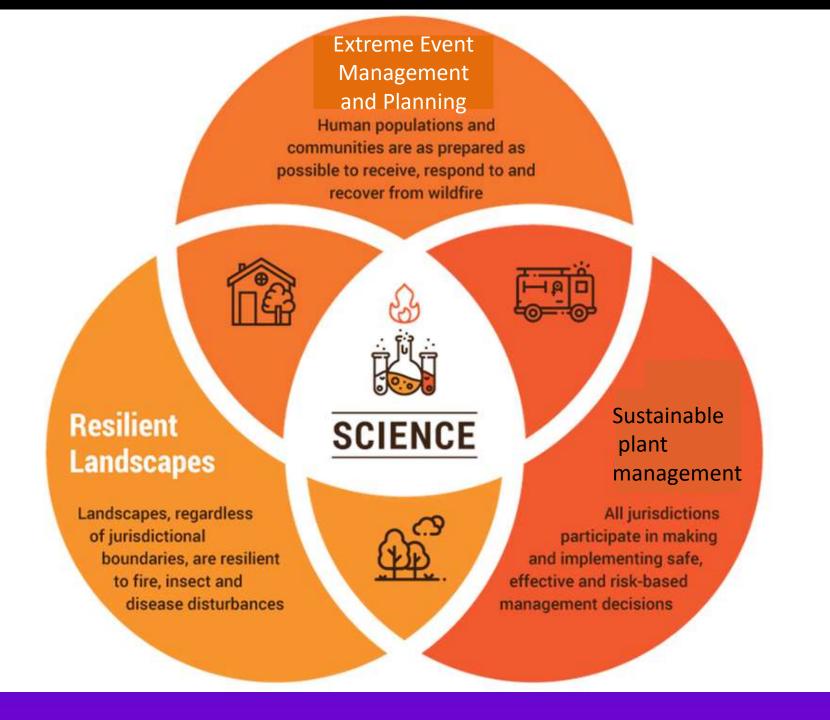
Overlapping topics:

LOCAL Biotic responses to climate change (including nature-based climate solutions).

LOCAL Ecological resilience to extreme events.

LOCAL Invasive species; grassland sustainability.

LOCALLY, Empowering land stewards; enhance cultural values.



The Boulder
Fireshed effort
has demonstrated
an effective approach
needed to address
a specific sustainability
issue.

Management needs to be Science based.

Spruce Gulch will attempt to be a model system for the "unbuilt environment" adjacent to built environments.

CU's Commitment:

"... a blueprint has been drawn up to decarbonize the campus."...

A PART OF THAT BLUEPRINT CAN BE THE 'RECARBONIZATION' OF CU LANDS CAPABLE OF MAINTAINING OR ENHANCING CARBON STORAGE... (both built and un-built environments can do this...)

"Our goal is not just to become a sustainable campus and help our local communities be sustainable. We'd like to help Colorado become the most sustainable state in the country."

Chancellor Justin Schwartz, CU Boulder Today, March 5, 2025

The land and opportunity provided by Linda Holubar Sanabria is an unprecedented, magnificent donation that has and will benefit CU's teaching, research and outreach mission and.... has the potential to be a transformative program to advance environmental sustainability initiatives for our community.

THANKS!

Spruce Gulch Participating faculty and students at CU to date:

INSTAAR
EBIO
GEOG
GEOL
CU Museum
ANTH
+ Dr. Prevey, USGS





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