



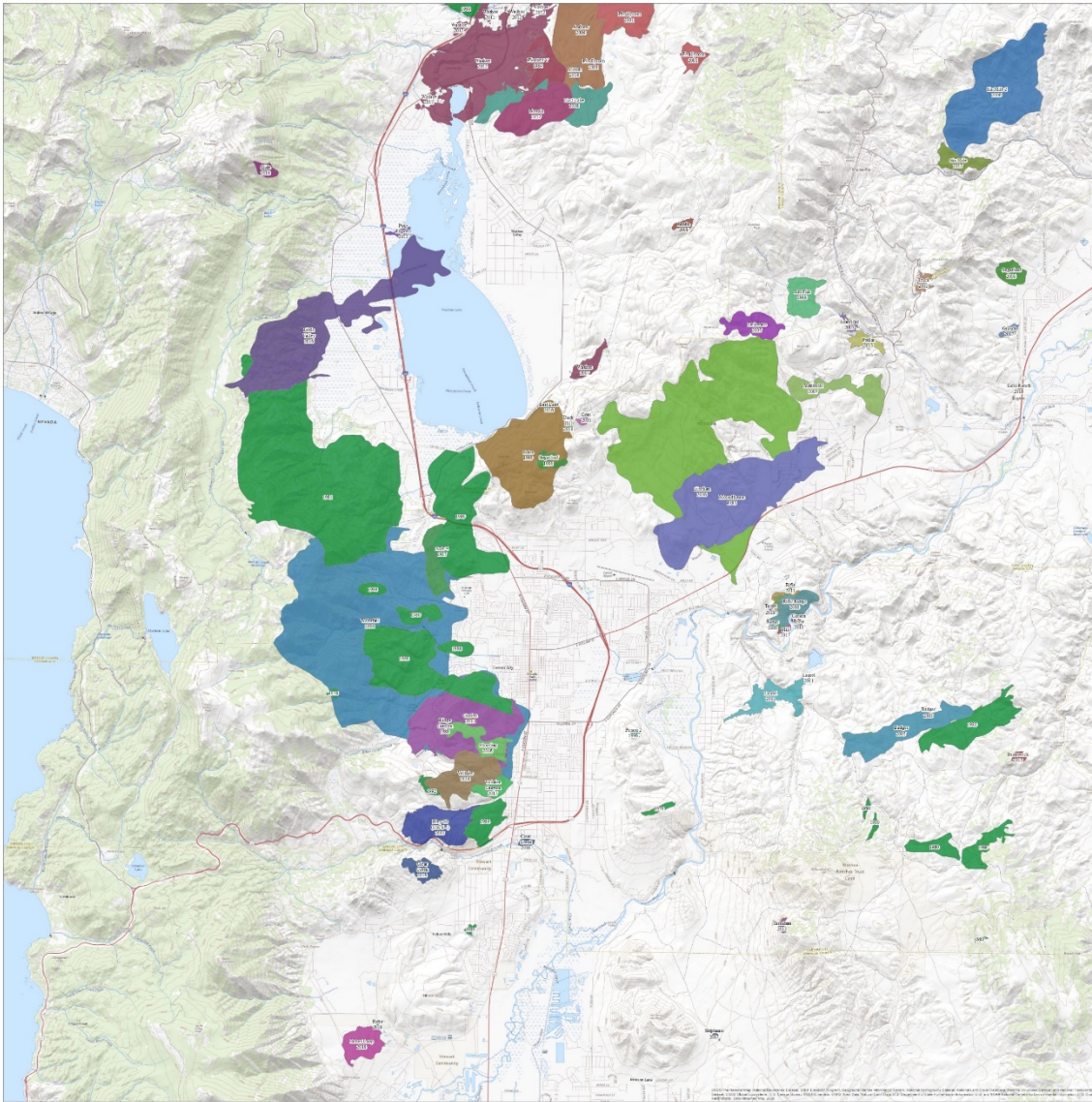
Carson City Fire Dept.
Hazard Mitigation Plan
Wildland Fire

Wildland Fire Hazard



- What is the Wildland Fire history of Carson City
- What does Wildland Fire look like in Carson City
 - What is lost in a Wildland Fire
- What factors influence Wildland Fire behavior
- What is being done to reduce the threat of Wildfire

Fire History



↳ Major Wildland Fires in Carson City

- ☞ Waterfall Fire, July 2004, 8,764 acres
- ☞ Linehan Fire, June 2006, 5,863 acres
- ☞ Kings Canyon Fire, Aug. 1988, 1,798 acres

↳ 2015 – 2020

- ☞ 145 Wildfire incidents, 1,176 acres burned

↳ 2000 – 2014

- ☞ 27 major wildfire incidents, 19,271 acres burned

Wildfire History

	Carson City		Nevada	
	# of Wildfire Incidents	Acres Burned	# of Wildfire Incidents	Acres Burned
2015	13	1.3	551	42,479
2016	28	242.7	467	256,156
2017	36	187.3	768	1,329,289
2018	22	739.9	649	1,100,196
2019	31	5.46	560	82,283
2020	15	1.86	764	259,272

A photograph of a large wildfire, the Waterfall Fire, in July 2004. The fire is burning on a hillside, with a large plume of white and grey smoke rising into the sky. The foreground shows a dry, grassy slope. The background features rolling hills and a clear blue sky.

Waterfall Fire July 2004

8,700 acres, 18 Structure and 51 Vehicles lost

Timberline Area



Timberline Area



Timberline Area



Prison Hill Fire

July 2021, 177 acres



Flint Fire

July 2021



Losses to the Community After a Wildfire

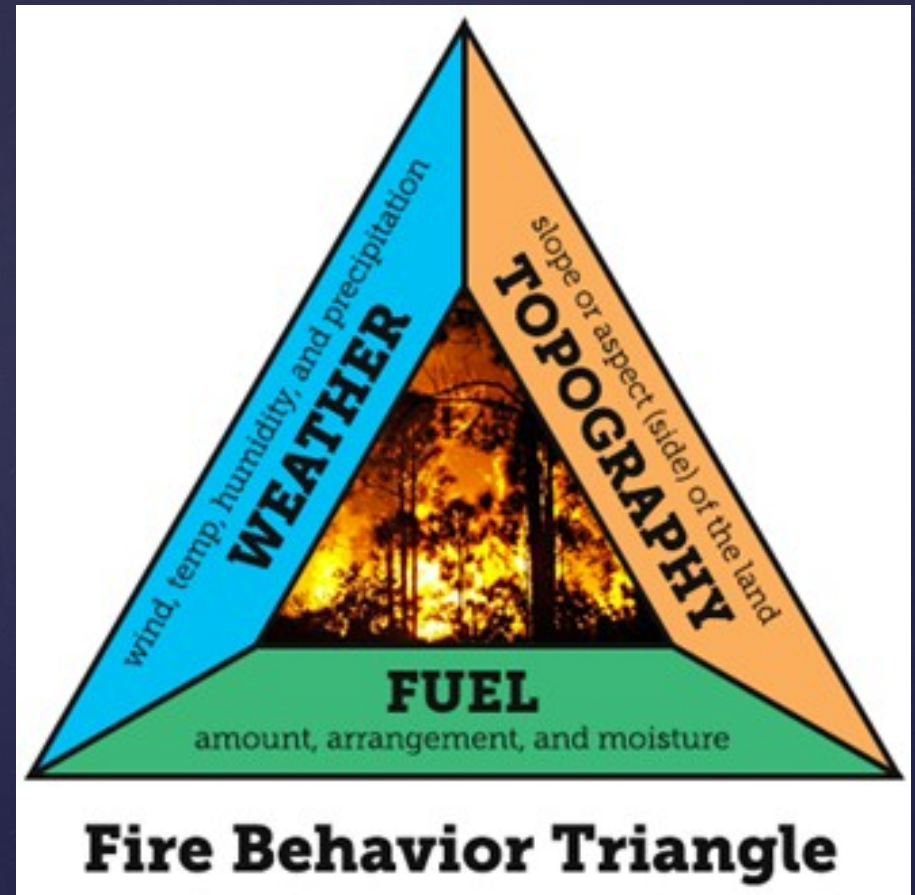
- People Displaced
- Property Damaged
 - Rebuilding process can take years
- Loss of Water Quality
 - Effects local wells and surface runoff
 - Increases erosion, possible landslides
- Recreation opportunities are lost in the area
- Economic impacts
 - Decreased property values
- Environmental Damage
 - Forests transition back to grasslands

What factors influence Wildland Fire behavior

WEATHER – Carson has hot and dry conditions lasting from May through August leaving native vegetation with low fuel moisture content

TOPOGRAPHY – How steep the landscape is, and which direction it is facing

FUEL – The amount, arrangement and moisture content of the fuel. This is the only factor we can manipulate.



What is being done to reduce the threat of Wildfire?



- **“You Call, We Haul”**
 - Trailer and Dumpster program to give homeowners an effective and efficient way to dispose of green waste generated by completing Defensible Space project.
- **Capital City Handcrew**
 - A crew of wildland firefighters that creates landscape scale fuel breaks around at risk communities in the WUI areas.
- **New Owner Program**
 - Fire Dept personnel visit each property that changes ownership in the designated WUI.

“You Call, We Haul”

- 4 – 6 cubic yard dump trailers
- 4 – 20 cubic yard dumpsters
- Program started in 2006 in response to the WaterFire in 2004
- Collected 400 tons of hazardous material in 2020
- Collected 4,500 tons since 2006
= 60 - 737 airliners
- Available to all properties in the designated Wildland Urban Interface



Capital City Hand Crew



- 15-17 person Handcrew
- Made up of full time and seasonal employees
- Create landscape scale fuel breaks around “at-risk” communities
- Trained wildland fire suppression resource
- Treated 250+ acres since 2017
- Hand thinning and prescribed fire operations





New Owner Program

- Visit all new owners within the WUI within 60 days
- Walk their property and discuss potential hazards
- Discuss the importance of Defensible Space
- Advise the new owners of the programs available to them
- Creates a relationship with our residents





Questions?

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