



**Wildfire Impacts on
Washington Communities
An Affected Community's Perspective**







Crescent Mountain Fire

Twisp, WA

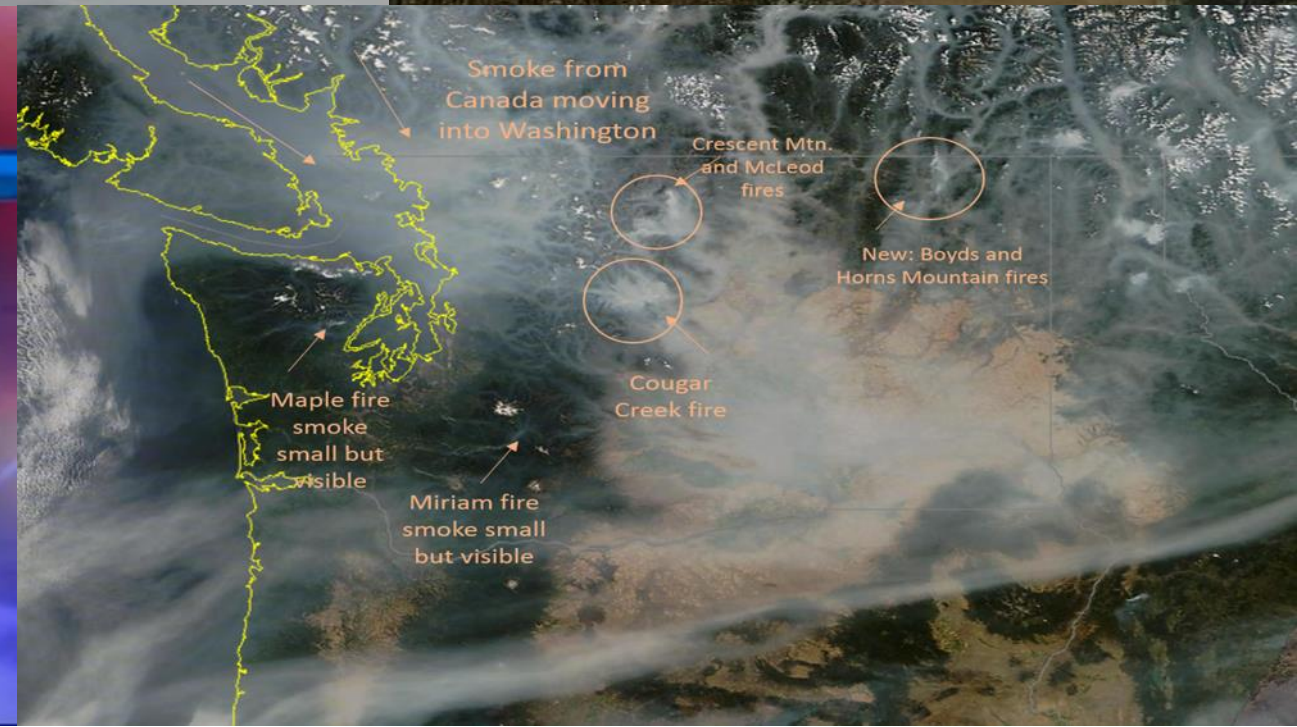
-46,650

-37% Contained

-Cause: Lightning

FOX

7:32 52°



No relief

making
long-term

By Marcy Stamper

Although hundreds of people are still literally digging out from the devastation of wildfire—and firefighters working to control it—a network of individuals and organizations has begun building a net for longer-term recovery.

Some 40 people from social-service agencies, environmental organizations, health-care providers and others met on Thursday (July 31) to form a group that will



Valley copes with impact of new fires, storms, outages and evacuations

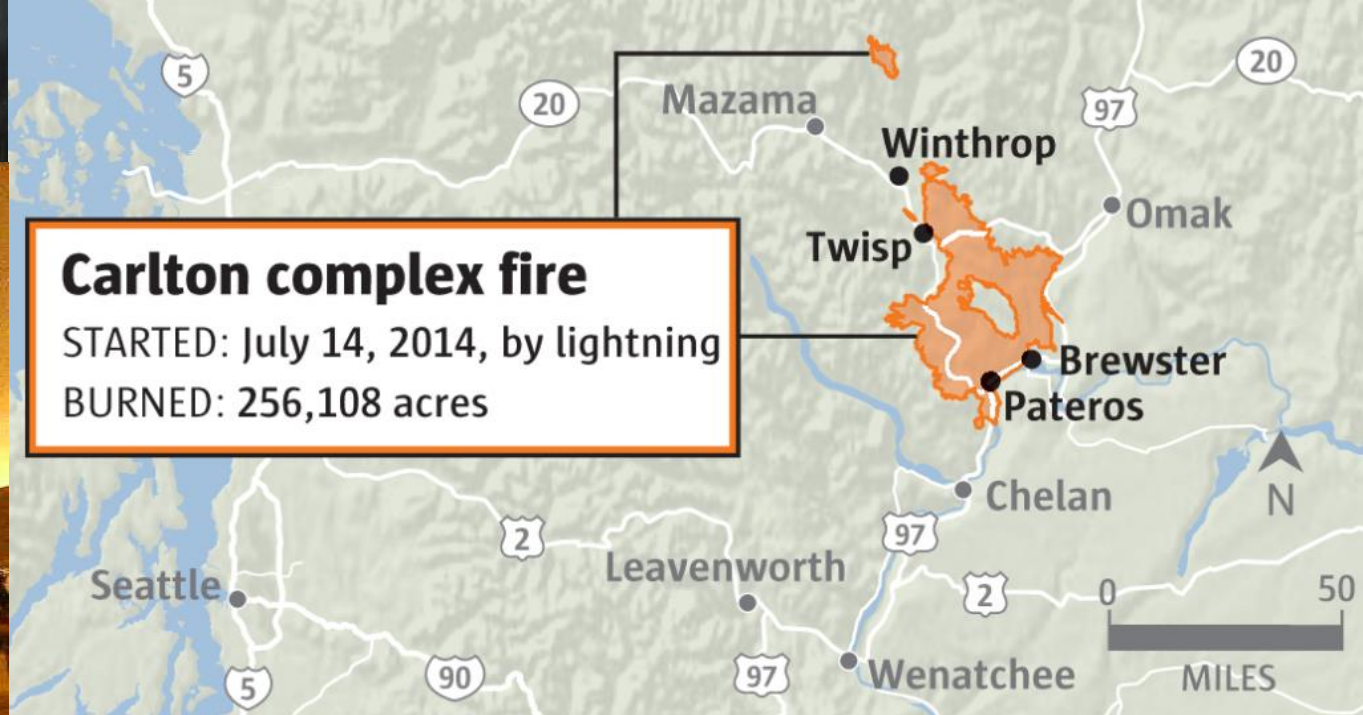
Tuesday. All areas that had been at Level 3 evacuation had dropped to lower levels, fire officials said.

The Rising Eagle Road Fire started Friday (Aug. 1) around 2 p.m. by a spark from a flat tire on a trailer, which ignited grass near Signal Hill Road off of Highway 20 between Twisp and Winthrop. Crews from Okanogan Fire District 6 and Department of Natural Resources responded, but within minutes

and a DC-10 air tanker, one of only two in the nation, arrived from Moses Lake.

Intense battle

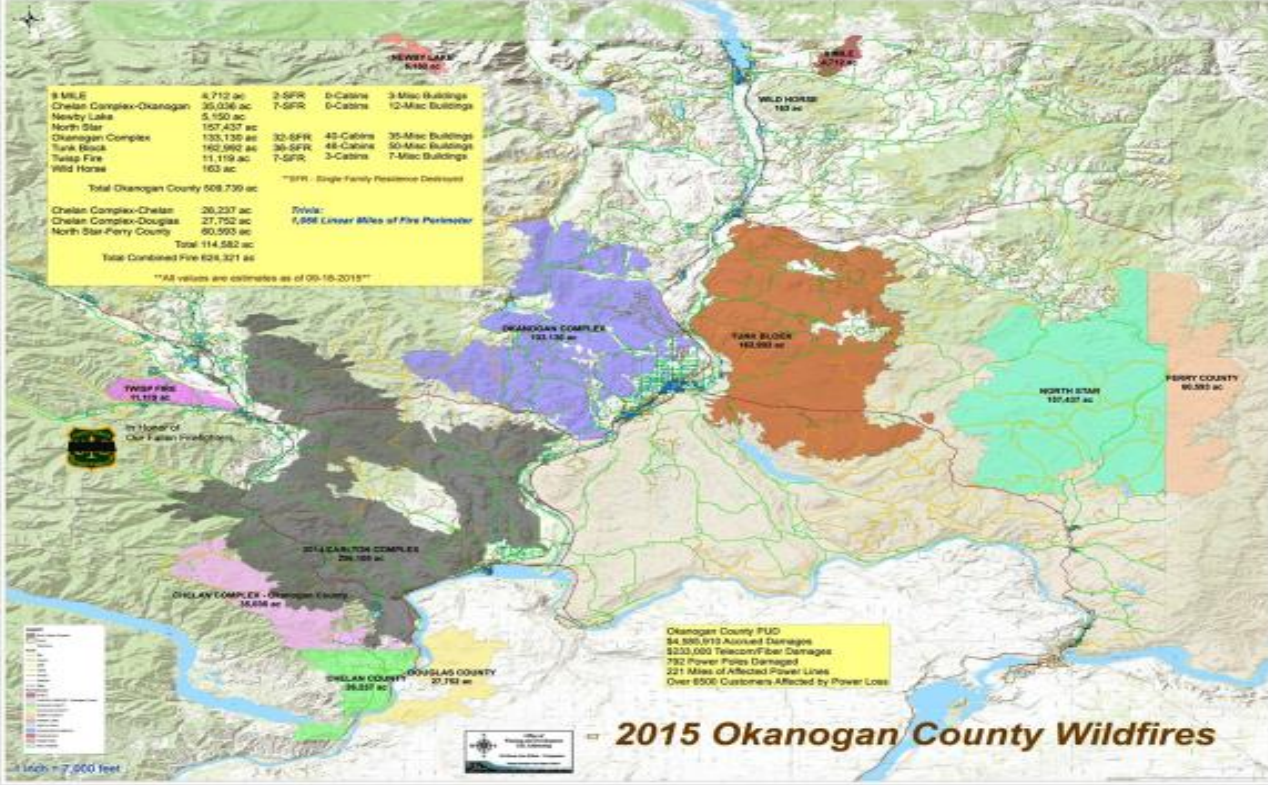
For hours an all-out battle ensued, during which a total of 17 helicopters, six water scoopers, two air tankers and the DC-10 tanker (dropping retardant) attacked the fire. Motorists pulled off along Old Twisp Highway and the Twisp-Winthrop Eastside



Sources: Esri, inciweb.nwcg.gov

MARK NOWLIN / THE SEATTLE TIMES

2015 Twisp River Fire



ROAD CLOSURES



08.22.2014 09:04

EVACUATIONS



INTEROPERABILITY CHALLENGES



Air Quality Rating for Twisp, WA August 22, 2018



WAQQA WASHINGTON AIR QUALITY ADVISORY

Check air quality conditions at ecology.wa.gov/WAQA

GOOD
Air pollution is so low so there is little health risk. It's a great day for everyone to enjoy the outdoors!

MODERATE
People with health conditions should limit spending any time outdoors & avoid strenuous outdoor activities. They may begin to have worsened symptoms.

UNHEALTHY FOR SENSITIVE GROUPS
All of the above & all sensitive groups should limit spending any time outdoors. People with health conditions may have worsened symptoms. Healthy people may start to feel symptoms.

UNHEALTHY FOR EVERYONE
Everyone, especially sensitive groups, should limit time spent outdoors, avoid strenuous activities outdoors, & choose light indoor activities.

VERY UNHEALTHY FOR EVERYONE
Everyone should stay indoors, avoid all strenuous activity, close windows & doors if it's not too hot, set your AC to recirculate, & use a HEPA air filter if possible.

HAZARDOUS FOR EVERYONE
All of the above & people with heart or lung disease, or those who have had a stroke, should consult their healthcare provider about leaving the area & wearing a properly fitted respiratory mask. If they must go outdoors, follow burn bans and evacuation orders.

SENSITIVE GROUPS INCLUDE:

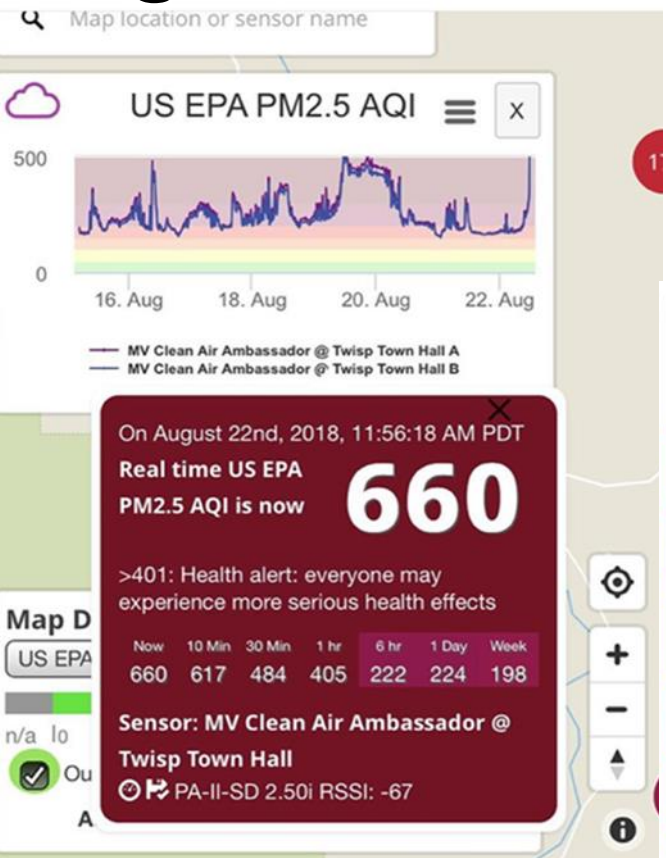
- People with heart conditions such as asthma, COPD, diabetes, & other heart/lung diseases
- Respiratory illnesses & colds
- Stroke survivors
- Children under 18 & adults over 65
- Pregnant women
- People who smoke

KNOW THE SYMPTOMS:

- Watery or itchy eyes
- Coughing/sneezing
- Throat & sinus irritation
- Itching
- Shortness of breath
- Headaches
- Irregular heartbeat
- Chest pain

If you are experiencing serious symptoms, seek immediate medical attention.

An advisory is issued when, on average, pollution will be: & includes air quality expert's best health. This advisory is not a guarantee of health & safety. The proper response is to follow the advisory. WAQQA is a service of Ecology Washington.



Category	Index Value	WAQA Concentration ($\mu\text{g}/\text{m}^3$)	AQI Concentration ($\mu\text{g}/\text{m}^3$)
Good	0-50	0 to 12.0	0 to 12.0
Moderate	51-100	12.1 to 20.4	12.1 to 35.4
Unhealthy for Sensitive Groups	101-150	20.5 to 35.4	35.5 to 55.4
Unhealthy	151-200	35.5 to 80.4	55.5 to 150.4
Very Unhealthy	201-300	80.5 to 135.4	150.5 to 250.4
Hazardous	301-400	>135.4	250.5 to 350.4
	401-500		350.5 to 500



SBA can help
small businesses and
homeowners **recover**
from disaster.

METHOW READY **DISASTER & EMERGENCY HANDBOOK**
HOW TO PREPARE YOURSELF AND YOUR COMMUNITY FOR
FIRES - FLOODS - POWER OUTAGES - WIND STORMS - EARTHQUAKES

A PROJECT OF THE METHOW VALLEY
LONG TERM RECOVERY ORGANIZATION **METHOWREADY.ORG**
509.449.5090



Carlton Complex Fire

Started: July 14 by lightning

Contained: Aug. 25

Acres burned: 256,108

Lives lost: Rob Koczewski, 67, died of a heart attack July 19 as he and his wife hauled water and dug fire lines to save their Carlton home.

Homes lost: 277 primary, 50 cabins

Other losses: 900 to 1,000 cattle; 500 miles of fencing; millions of board feet of timber

Power outage: 3,602 customers for more than a week; 156 for more than 20 days

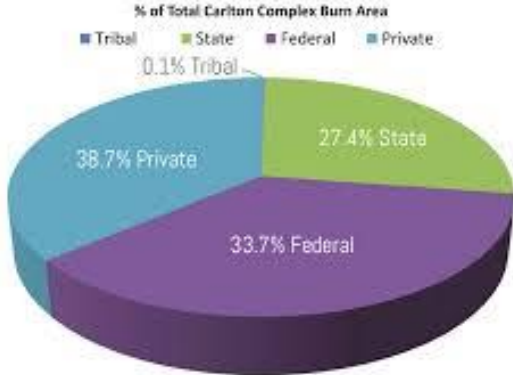
Damage claims against DNR: More than \$50 million

Suppression cost: \$100 million

Source: Capital Press research
Dan Wheat and Alan Kenaga/Capital Press



FEMA



In 2017, natural disasters in the U.S. cost \$337 billion.
Less than half was insured.





