Using the Wildfire Risk to Communities Website
Today: Using WRC

BACKGROUND INFO

AUDIENCES & USES

LIVE DEMO
Today: Using WRC
A website with interactive data and maps to help communities understand, explore, and reduce wildfire risk.

- Directed by Congress in 2018 Consolidated Appropriations Act
- Nationwide maps & data with consistent methods.
- Searchable by community, county, state.
- Published April 2020 at www.wildfirerisk.org
Builds on data and science from previous efforts.
For communities to learn about relative risk profile, nature and effects of wildfire risk, and actions to mitigate risk.

• Prioritize mitigation efforts in state or county
• Identify communities where localized efforts needed
• Find resources to mitigate risk
THE TEAM

- Washington Office
  Fire & Aviation
- Rocky Mountain
  Research Station
<table>
<thead>
<tr>
<th>Nationally consistent data and risk metrics</th>
<th>Not fine-scale: for comparing among rather than within</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available nationwide: communities, counties, states</td>
<td>Not locally calibrated</td>
</tr>
<tr>
<td>Grounded in the best available science</td>
<td>Not predictive, does not include climate projections</td>
</tr>
<tr>
<td>Easy to use and includes resources for action</td>
<td>Not a replacement for other assessments</td>
</tr>
</tbody>
</table>
Today: Using WRC

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LIVE DEMO
Focus on homes
- Derived from population data

Assumes generalized susceptibility
- Homes damaged by intensity

Other values not considered
- E.g., response, operations, watershed health, infrastructure
In the U.S...
...one in three homes is in the WUI.

$3 Billion
per year average federal fire suppression costs

Suppression is only 9% of disaster costs

Other Costs & Damages: 91%

Suppression: 9%

TOOLS TO REDUCE RISK

- Home Ignition Zone
- Home Hardening
- Land Use Planning
- Wildfire Preparedness
- Community Health
- Wildfire Prevention
- Wildfire Response
- Fuel Treatments
- Post-Fire Recovery
User Profile:

Land Use Planner

- Community plans and codes?
- New developments?
- Resources for our team?
User Profile:
Local Fire Chief

- Where is wildfire most likely?
- Where will we have ember impact?
- What are most effective mitigation efforts?
- Education tools?
User Profile:

Elected Officials

Where are people most vulnerable?

Where is risk greatest?

Resources for our community?
Today: Using WRC

- BACKGROUND INFO
- AUDIENCES & USES
- LIVE DEMO
Questions?
Thank You!

Frank Fay
frank.fay@usda.gov

Jim Menakis
james.menakis@usda.gov

Greg Dillon
greg.dillon@usda.gov

Kelly Pohl
kelly@headwaterseconomics.org

wildfirerisk.org
MAPS & DATA INCLUDED:

Interactive Webpages
- Risk to Homes
- Wildfire Likelihood
- Exposure Type
- Vulnerable Populations

For Download (GIS, tabular)
- Risk to Homes
- Wildfire Likelihood
- Exposure Type
- Conditional Flame Length
- Flame Length Exceedance Probability 4 ft
- Flame Length Exceedance Probability 8 ft
- Conditional Risk to Homes
- Wildfire Hazard Potential
- Housing Unit Density
- Expected Annual Housing Unit Exposure
- Annual Housing Unit Risk
- Annual Source of Housing Unit Exposure
- Conditional Source of Housing Unit Exposure

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