

LANDFIRE Product Application Summary

Colorado Wildfire Risk Assessment Portal (CO-WRAP)

Citation: NA

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Application Location: State of Colorado

Objectives:

- Provide access to statewide wildfire risk assessment information
- Provide awareness of wildfire risk to property owners
- Provide access to wildfire mitigation information
- Inform planners and decision-makers of wildfire risk.

Project description:

The CO-WRAP mapping tool covers all lands in Colorado. It was developed to display the data contained in the Colorado Wildfire Risk Assessment. The Colorado Wildfire Risk Assessment assessed all lands in Colorado using consistent data and methods, therefore providing information to support planning and decision making at the county and state levels and to a lesser degree at the regional level.

The LANDFIRE Program Refresh 2008 version of data products was used to compile the Surface Fuels data for the West Wide Risk Assessment and the Colorado Wildfire Risk Assessment. This reflects data through 2008. The LANDFIRE EVT data was classified to reflect general vegetation cover types for representation with CO-WRAP. LANDFIRE data was chosen because it was readily available and supported at the national level, provided consistency across political boundaries (county and state lines), and would be periodically refreshed.

Some modifications were completed to reflect recent disturbances, such as large wildfires and pine beetle infestations, prevalent in central Colorado over recent years. These updates reflect changes in the landscape that represent conditions through 2010. Information on the process used to compile the Colorado fuels dataset can be found in the *West Wide Assessment Final Report*.

The Colorado Wildfire Risk Assessment Portal (CO-WRAP) provides a consistent set of scientific results for wildfire mitigation and prevention planning in Colorado.

It also

- Creates public awareness about wildfire risk
- Provides state and local planners with information to support mitigation and prevention efforts
- Identifies areas that may require additional planning related to wildfire mitigation projects
- Assists in the development of Community Wildfire Protection Plans (CWPPs)
- Complements forest stewardship and forest management plans
- Informs decision-making at local and state levels

This project involved developing an updated Colorado statewide wildfire risk assessment. The project was based on leveraging the data and achievements of the West Wide Wildfire Risk Assessment (WWA) project and tailoring these to reflect Colorado conditions, requirements and priorities. The Colorado WRA project heavily leveraged the technical methods and standards developed in the WWA project, ensuring that the outputs are based on a scientifically sound, defensible and robust approach.

Detailed description of the methodology and analysis used can be found in the *Colorado Wildfire Risk Analysis Final Report* and in the *Western Wildfire Risk Analysis Final Report*.

LANDFIRE products used

The LANDFIRE Program Refresh 2008 version of data products was used to compile the Surface Fuels data for the West Wide Risk Assessment and the Colorado Wildfire Risk Assessment.

Value of the work to the natural resource management/conservation community

CO-WRAP is a web-mapping tool that provides access to statewide wildfire risk assessment information. Through CO-WRAP, wildfire mitigation/prevention planners and interested citizens can generate maps and download data and reports that describe defined project areas or areas that may require additional planning.

Online resources

<http://csfs.colostate.edu/pages/wildfire.html>
www.coloradowildfirerisk.com

