

Bridging the Gap



COLORADO WILDFIRE RISK ASSESSMENT

utilization of data in

Wildfire Mitigation & Education Assessment and Planning



Decision Making



CO-WRAP Colorado Web Mapping Wildfire Risk Tool Assessment **CWPP** Reports Prioritization



The Colorado Wildfire Risk Assessment



Purpose

- Quantify the magnitude of current wildfire problem in Colorado
- Provide foundation for coordinating policy
- Provide baseline data
- Enhance communication

Scope

- > All lands
- Measure threat, fire effects, & risk
- Quantitative, repeatable & consistent
- Summarize by state & county
- Leverage existing data & methods



Putting Colorado WRA Data to Use



Accessible

Understandable

Useable



Colorado Wildfire Risk Assessment Portal



WARNER COLLEGE OF NATURAL RESOURCES





Objectives of CO-WRAP



WARNER COLLEGE OF NATURAL RESOURCE

Increase Awareness of Wildfire Risk

Provide Access to Information that will be useful in Mitigation and Planning

Inform Decision Makers



CO-WRAP Tool Attributes



WARNER COLLEGE OF NATURAL RESOURCES

- Simple to access
- Leverage Resources that already exist
- Self explanatory intuitive
- Adaptive to future uses
- Reaches diverse audiences
- Boosts Understanding
- Inspires Action



Deliverables



- Accessible web-based mapping tool
 - Risk Summary Reports
 - PDF maps
 - Links to technical assistance
 - Base GIS data



The Colorado Wildfire Risk Assessment Portal



0

Explore Map Themes

Cities .

Schools

Hospitals

▼ Wildfire Risk Themes

Wildfire Effects Themes
Values at Risk Rating

Forest Assets Risk

Vegetation

Forest Assets

Ownership Threats to Forest Health

Riparian Assets

Wildland Urban Interface

▼ Historical Wildfire Occurrence

▼ Forest Management Activities
Activities 2008
Activities 2009
Activities 2010
Activities 2011
Activities 2012

Federal Fire Ignitions

Fire Occurrence Non Federal Fire Ignitions

Drinking Water Importance Areas

Riparian Assets Risk

Wildfire Behavior Outputs
Characteristic Flame Length
Characteristic Rate of Spread
Fire Type - Extreme

Landscape Characteristics
Surface Fuels

Suppression Difficulty Rating

Wildland Urban Interface Risk Drinking Water Risk

Wildfire Risk Wildfire Threat Fire Intensity Scale

♥ Reference Base Layers

County Boundaries

Active Coal Fires
2011-12 Large Fire Perimeters

Fire Protection Districts

2000-10 Large Fire Perimeters
HUC 12 Subwatersheds

Getting Started ?

Explore Map Themes ?

Manage Project Areas ?

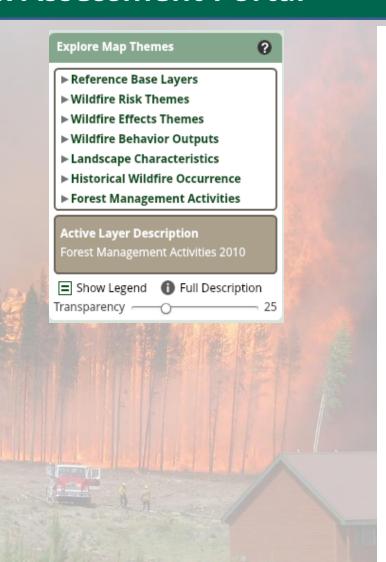
Generate Summary Report ?

Export Data ?

Print Map ?

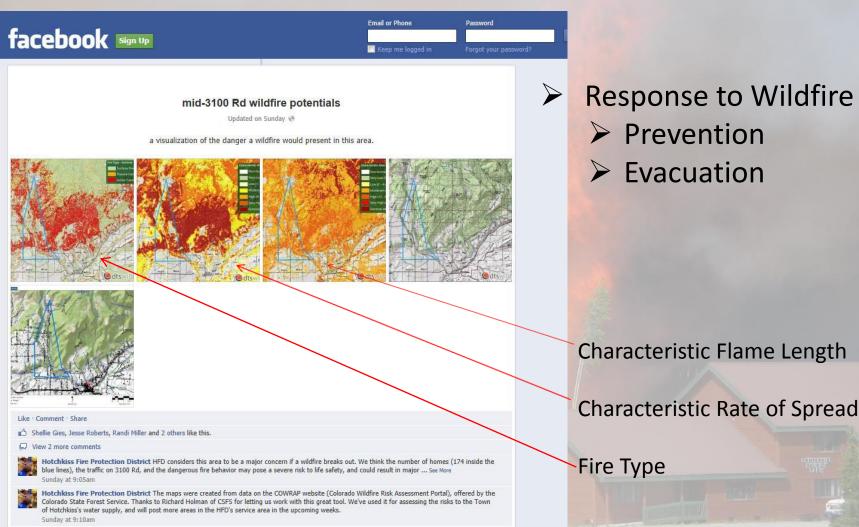
Zoom To... ?









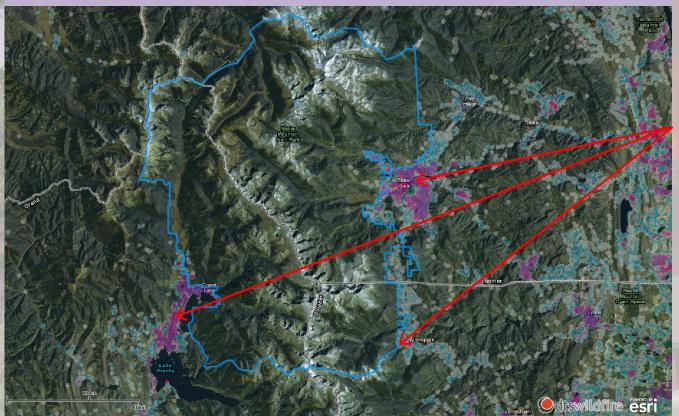






Restoration of Resilient Landscapes

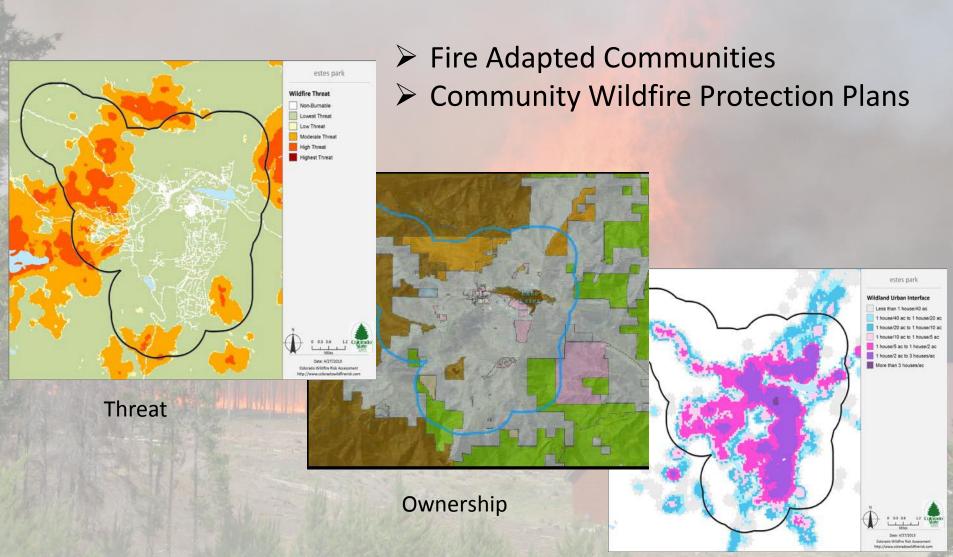
Rocky Mountain National Park: Housing Density Adjacent to Park



Communities adjacent to treatments





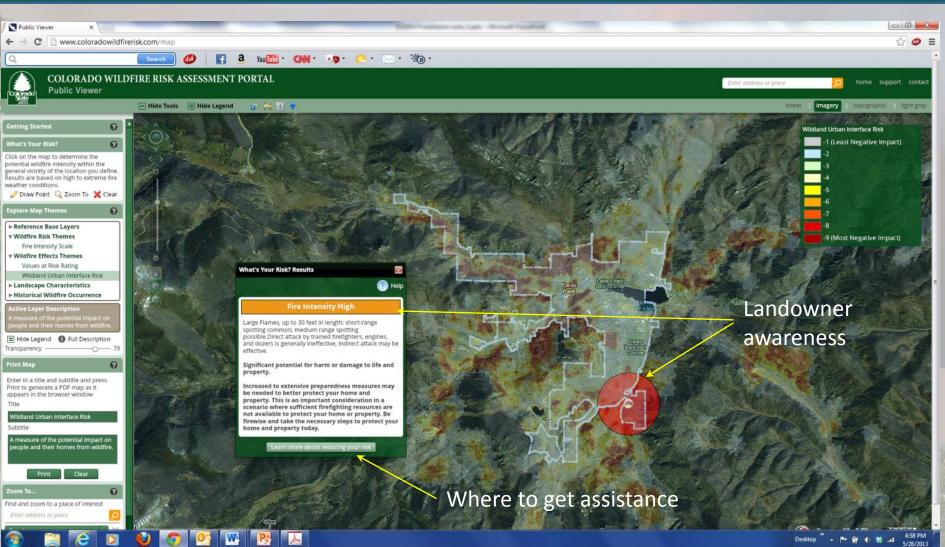


Housing Density





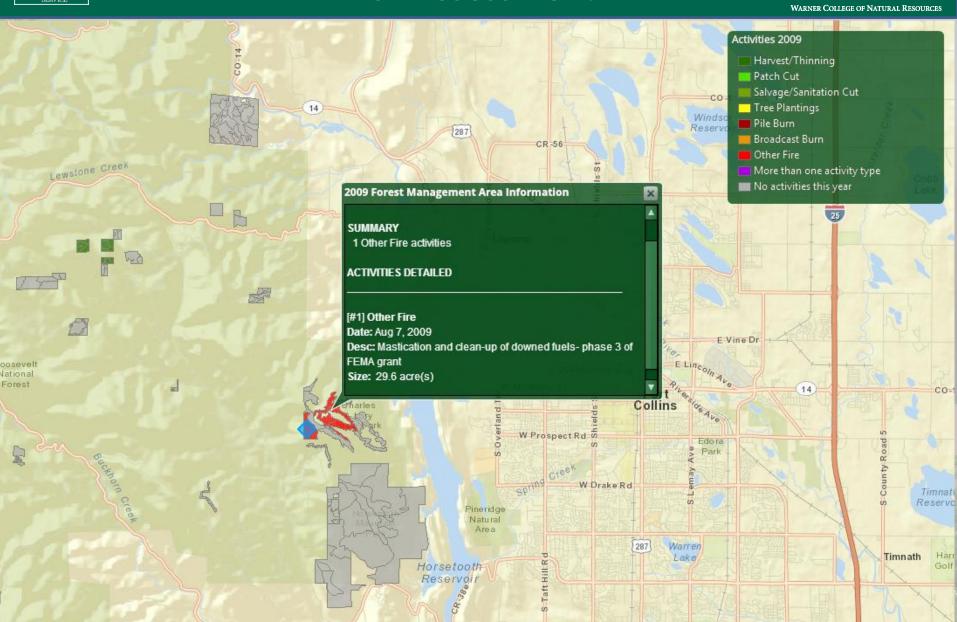
WARNER COLLEGE OF NATURAL RESOURCES





The Colorado Wildfire Risk Assessment







Links



http://csfs.colostate.edu/

www.ColoradoWildfireRisk.com



CO-WRAP



