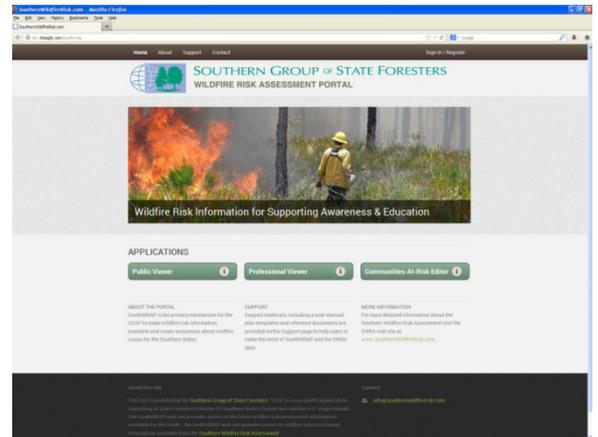**SOUTHERN GROUP OF STATE FORESTERS**

southernforests.org

Southern Wildfire Risk Assessment Portal

The Southern Wildfire Risk Assessment Portal (SWRAP) is the primary mechanism for the Southern Group of State Foresters to deploy risk information and create awareness about wildfire issues across the south. SWRAP is comprised of a suite of web-mapping applications tailored to support specific workflow and information requirements for the public, local community groups, government officials, professional hazard-mitigation planners, and wildland fire managers. Collectively these applications will provide the baseline information needed to support mitigation and prevention efforts across the south. To learn more, go to http://dev.dtsagile.com/southwrap.

Applications:

Public Viewer – "Level of Concern"

Designed to let users zoom to a place of interest, explore map themes and identify wildfire risk for a specific location on the map. The featured tool in this application is called "Level of Concern". It allows users to identify the fire intensity potential around their home, or any other point of interest on the map, and provides a link to additional resources for users wanting to know how to reduce their risk.

Professional Viewer – "Support Your Fire Protection Plans"

Designed to support the community wildfire protection planning needs of government officials, hazard-mitigation planners and wildland fire professionals. This application contains advanced functionality and additional map themes as compared to the Public Viewer. The key features of this application include the capability to define a project area, generate a detailed risk summary report, and export and download wildfire risk GIS data.

Fire Occurrence Explorer – "Analyze Historical Fire Occurrence Data"

Designed to analyze historical wildfire occurrence data. The featured tool in this application is called the "Fire Cause Analyzer". It allows users to interactively visualize and explore statewide or county fire statistics using dynamic charting and mapping capabilities in order to derive patterns related to fire cause.
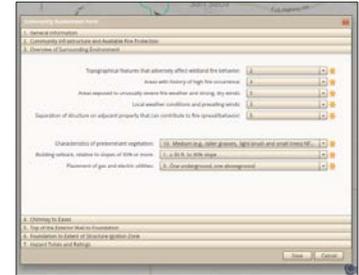
Community Editor – "Assess Homes and Communities"

Allows approved users to create and manage wildfire assessments at the community level. This includes community, home, and post-fire home assessments. All information is collected using standardized forms and is stored in a centralized database.

Key Benefits:

Highly Accessible to the Public and Key Stakeholders	• Makes the risk assessment information accessible to virtually anyone with an internet connection and is not restricted to just a few power users with expensive GIS software and a robust computer • Increases awareness, communication, and visualization of the risk assessment information to a significantly larger customer-base • Centralizes the deployment, administration, and storage of the risk assessment applications and data, which eliminates the need for local software installation and data management • Presents a seamless statewide picture of wildfire risk instead of the data being partitioned by county
User-Friendly , High Performance Applications	• Provides fast, intuitive, and easy-to-use applications that allow most users to learn the applications within minutes instead of weeks • Provides users with online self-training content • Removes the need for most users to learn complex GIS software • Allows non-GIS users to perform complex GIS functions quickly and easily (i.e. detailed risk summary report)
Adoptable and Adaptable Development Framework	• Demonstrates the capability to deploy risk assessment information to the web • Serves as a prototype for other states or regions to adopt and implement • Reduces investment for others • Establishes a baseline application that can be easily enhanced in the future