

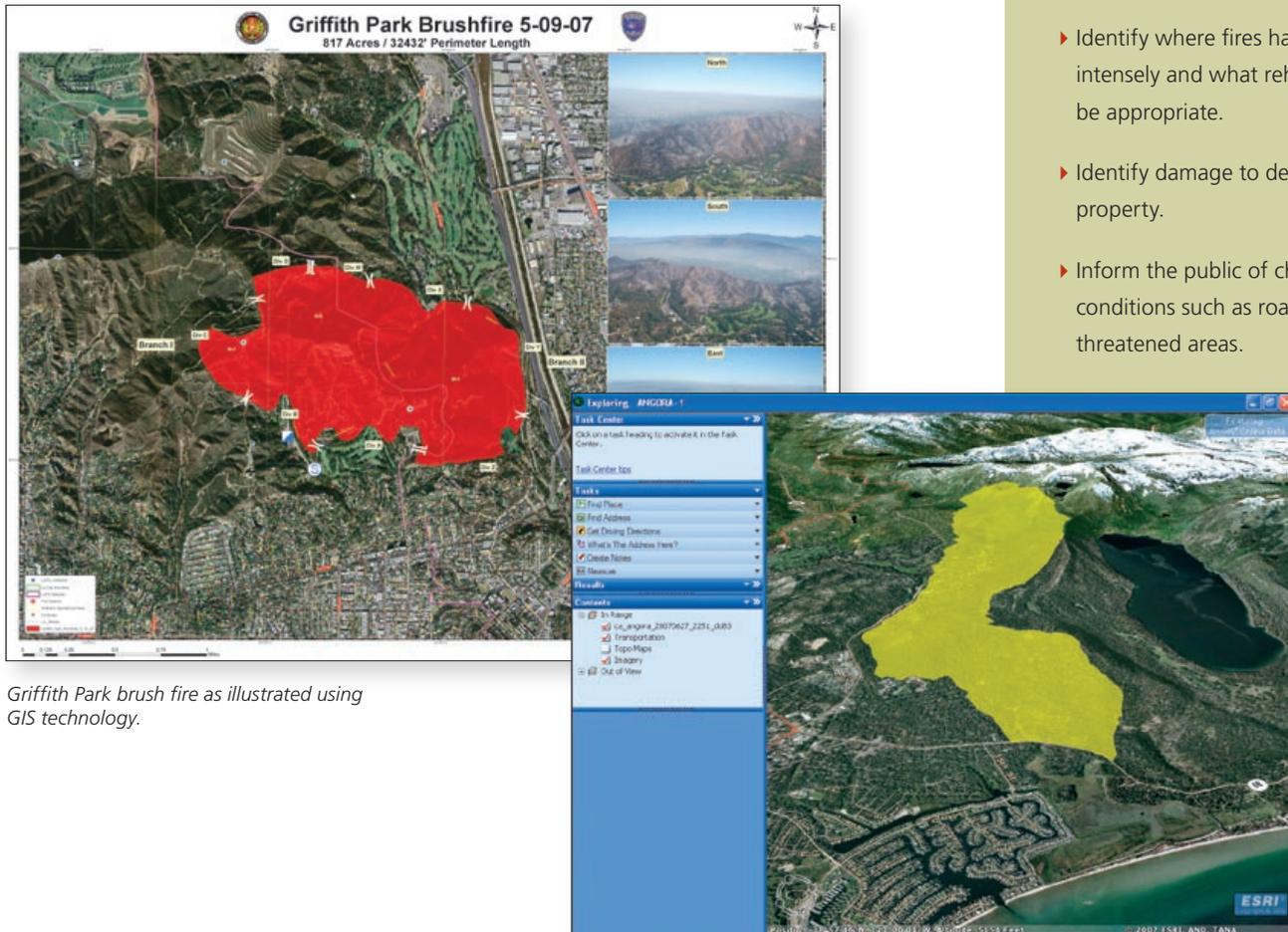
GIS Provides the Geographic Advantage

When You Need It Most

When wildfires occur, GIS provides agencies with the ability to determine appropriate suppression tactics and strategies. More important, GIS provides the required information when needed most.

Fire agencies are responsible for protecting lives, property, and natural resources, often with limited resources. Consequently, it is critical that resources be deployed effectively and efficiently.

GIS assists by quickly identifying and displaying priority protection requirements and provides access to other important information such as documents, photographs, drawings, data tables, and so forth. Incident commanders and operations personnel can make better decisions with detailed maps and imagery. GIS is essential for the management of complex incidents where large numbers of resources are deployed. Situational awareness, resource status, event prediction, incident facility identification, and public information dissemination are all more effectively and efficiently performed using GIS. ESRI can assist fire professionals in developing a technology implementation plan that is relevant to the operational requirements of their department.



Griffith Park brush fire as illustrated using GIS technology.

Perimeter data of the Lake Tahoe brush fire imported into ArcGIS Explorer™.

Wildfire agencies use GIS to

- ▶ Maintain overall situational awareness.
- ▶ Map fire perimeters and progression.
- ▶ Assess current status of control efforts.
- ▶ Identify key fire protection priorities.
- ▶ Assign fire management resources for incident operations support.
- ▶ Identify where fires have burned intensely and what rehabilitation will be appropriate.
- ▶ Identify damage to developed property.
- ▶ Inform the public of changing conditions such as road closures and threatened areas.

Discover how ESRI GIS software gives you the geographic advantage in solving your fire service's mission critical needs. Visit us on our Web site at www.esri.com/publicsafety.



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