Abstract

Using GIS for Detailed Fire and Fuel Reduction Planning
Track: EMS, Fire, Disaster Management
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Fire managers need to prioritize work areas in order to maximize the funds available for fuel reduction activities. This paper presents the development of detailed fuel reduction planning techniques using GIS and GPS. The primary program used is ArcGIS with the ArcGIS Spatial Analyst extension. Aerial photos and other layers were used to complete the base map. Local knowledge and the detailed GIS allowed managers to draw the initial treatment polygons. A fuel management team met on the property, discussed options, and fine tuned the planned fuel reduction activities. The final products are a GIS and a plan for each property.

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