

Abstract

California Fire Management Using Remote Sensing and GIS

Track: EMS, Fire, Disaster Management

Author(s): Todd Twete, Tom Bernritter

This paper examines the process used to map forest fires throughout California for the California Department of Forestry and Fire Protection. The project uses thermal infrared imagery; ADAR, high-resolution multispectral imagery; DIME, software to produce image maps; and GIS to create a base dataset from which we can monitor fire perimeters, "hot spots," post-fire recovery, and general habitat conditions. Learn how remotely sensed data is used to form an effective management GIS for fire management and remediation.

Todd Twete

Positive Systems, Inc.

Management

223 Baker Avenue

Whitefish , MT 59937

USA

Phone: 406-862-7745

Fax: 406-862-7759

E-mail: ttwete@possys.com

Tom Bernritter

ARINC, Inc.

AIRIS LAB

2433 Mariner Square Loop

Suite 208

Alameda 94501

USA

Phone: 510-769-6026

Fax: 510-769-6538

E-mail: tbernrit@arinc.com