



## Waldo canyon fire demonstrates FirstLook responsiveness

On June 23, 2012, high winds, dry fuels, and extreme temperatures combined to create a massive fire storm outside Colorado Springs, Colorado. The Waldo Canyon Fire burned explosively for 19 days and proved to be the most challenging and destructive wildfire in Colorado history. Digital media solutions provider, Intterra, used OGC-compliant DigitalGlobe Cloud Services to integrate FirstLook into Intterra's SituationAnalyst decision support software to provide federal, state and local emergency response personnel with a comprehensive view of operations during periods of crisis.

### On-demand decision support

SituationAnalyst is an active situation awareness platform that combines on-demand decision support tools with a common operating reference. It allows emergency responders and planners to take charge of the decision support process, collaborate between field and command resources, and share information during single or multi-event incidents.

SituationAnalyst decision support software was used in the Incident Command Post (ICP) to manage emergency response assets used to fight the Waldo Canyon Fire. FirstLook imagery collected during the fire was down-linked, processed, and delivered online in less than three hours. The ICP had immediate access to the updated imagery in the SituationAnalyst support software, which facilitated better-informed decisions.

### Fast, effective information sharing

As the fire intensified, FirstLook imagery continued to assist the City of Colorado Springs Emergency Operations Center (EOC) in its damage and fire behavior assessment. The newly collected data was delivered and viewed by EOC personnel within hours of collection via on-line access of FirstLook inside the US Forest Service Enterprise Geospatial Portal, assisting with orientation and confirmation of helicopter flights of affected areas. Additionally, the fresh imagery supported key community briefings designed to communicate the most accurate information possible to affected homeowners.

### Company information

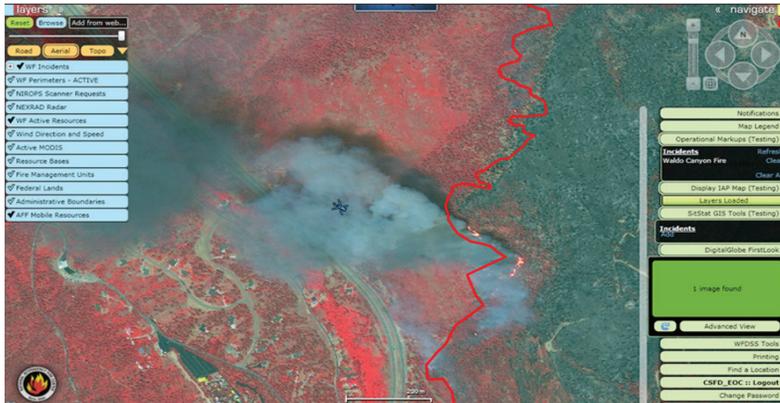
Intterra is a technology corporation focused on bringing innovative engineering solutions to homeland security, emergency response and intelligence operations.

NIFC is the nation's support center for wildland firefighting and is comprised of eight different agencies and organizations.

#### COLORADO SPRINGS



## Colorado Springs, Colorado, USA



Intterra Situation Analyst using FirstLook to manage Waldo Canyon Fire perimeter which includes planning for bulldozer lines, aerial and fire retardant assessment.

All FirstLook imagery is made available on our Open Geospatial Consortium (OGC) compliant DGCS within hours following acquisition.



False color imagery

False Color imagery presents vegetation in shades of red, with healthier vegetation appearing a brighter shade of red. Conversely, vegetation that has been destroyed by fire appears dark gray in color. This unique band combination makes it easier for responding agencies to quickly identify impacted areas.

### Challenge

The National Interagency Fire Center (NIFC) and the City of Colorado Springs needed fast, accurate information to effectively respond to a rapidly and explosively expanding wild fire which threatened heavily populated areas.

### Solution

Intterra's SituationAnalyst decision support software, integrated with DigitalGlobe's FirstLook imagery and OGC-compliant Cloud Services web-based access, provided incident managers with the valuable data needed to make better informed decisions, faster.

### Results

Due to this successful application integration, DigitalGlobe's FirstLook product is now available within Intterra's SituationAnalyst, providing emergency responders quick and easy access to accurate, up-to-date imagery information, just hours after disaster strikes.

### INDUSTRY

- » Civil government
- » Utilities
- » Insurance
- » Real estate
- » Environmental
- » Humanitarian
- » Online mapping portals

### USES

- » Change detection
- » Mapping
- » Land management
- » Location services
- » Urban planning
- » Asset monitoring
- » Community planning
- » Critical infrastructure
- » Damage assessment
- » Disaster relief
- » Emergency response, planning, and management
- » Transportation
- » Public works
- » Public safety

### PRODUCTS USED

- » FirstLook
- » DigitalGlobe Cloud Services

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