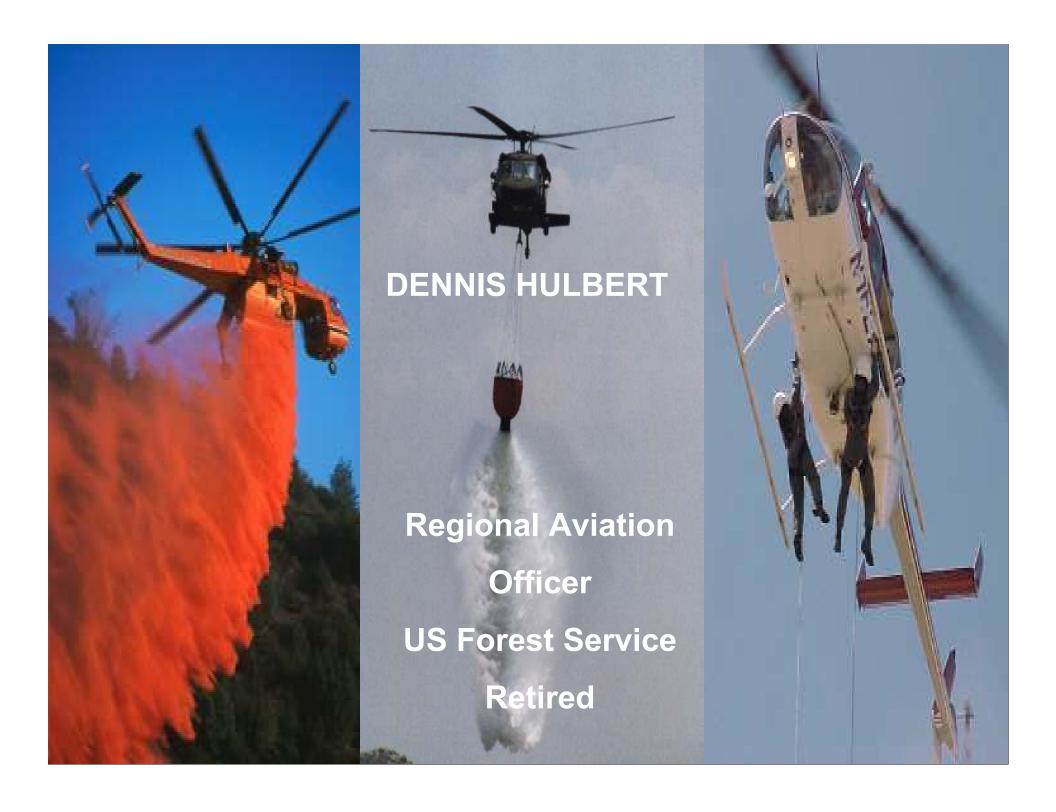
### Organizational Culture in Aviation Fire Suppression

A lessons learned overview of emerging issues and challenges in a multi-agency aviation fire suppression program



#### Large Incidents - August 13, 2004





### INTERAGENCY COOPERATION















## State & Local Emergency Departments Use Federal Excess, Contract, and Purchased Aircraft



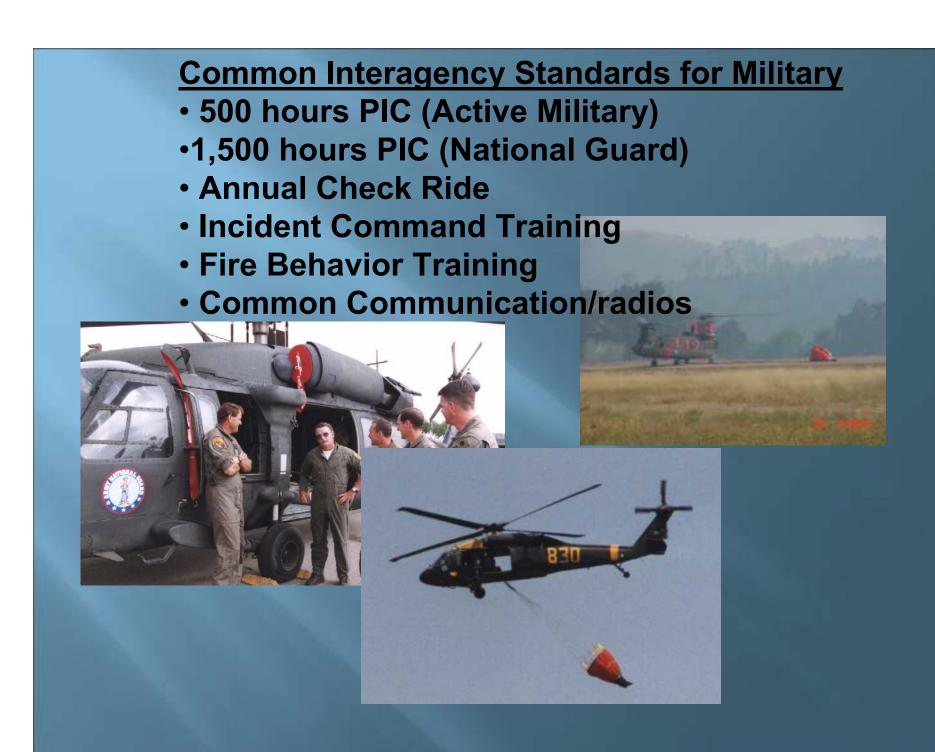
State & Local Aviation Resources must meet Interagency Standards before they can operate in the same airspace/emergency or be shared with federal agencies





# Military Resources must also meet Interagency Standards and are only used when no other aircraft are reasonably available









### FIRE TRAFFIC AREA (FTA)

ATGS ALT. ALTITUDE +1000'

TANKER INITIAL ENTRYS ALTITUDE +500°



12NM Initial Contact Ring

TANKER MANEUVERING ALTITUDE APPROX. 1000' AGL

500 AGL APPROX

7nm NOCOM HOLDING RING

3 C'S:

**COMMUNICATIONS** 

**CLEARANCE** 

**COMPLY** 

#### NOCOM

IF COMMUNICATIONS ARE NOT ESTABLISHED, HOLD AT THE 7NM RING UNTIL THEY ARE ESTABLISHED!!! DO NOT PENETRATE
THE FTA IF YOU
CANNOT COMPLY
WITH A CLEARANCE

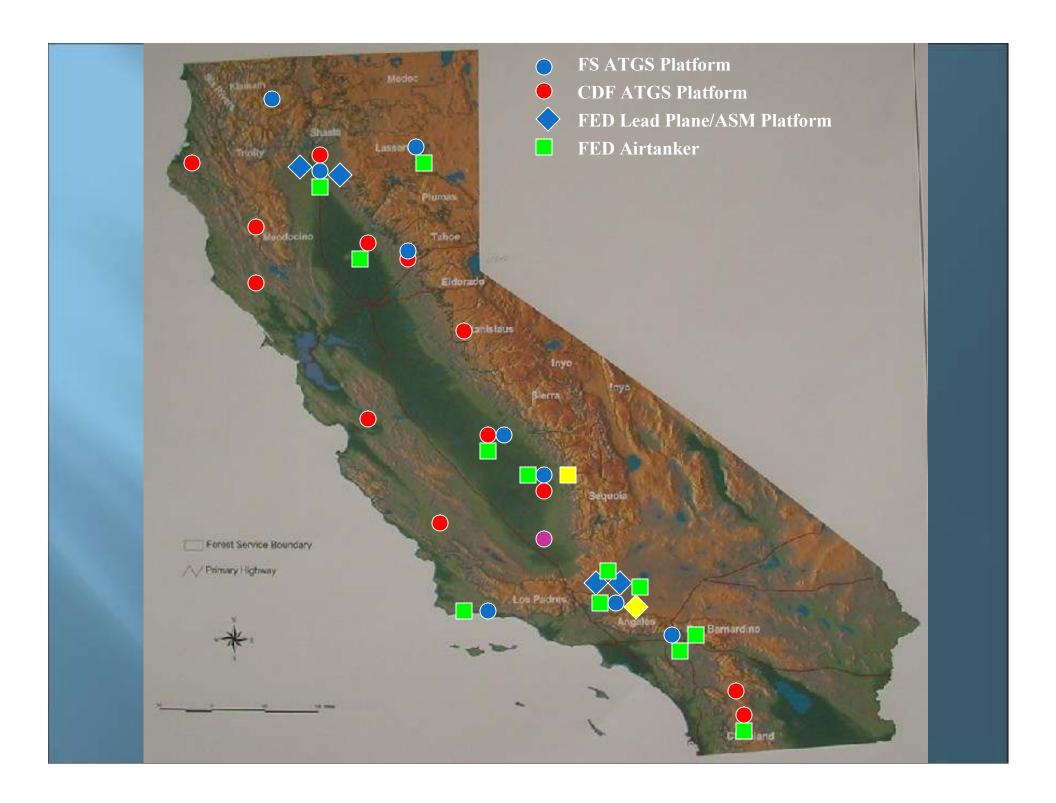


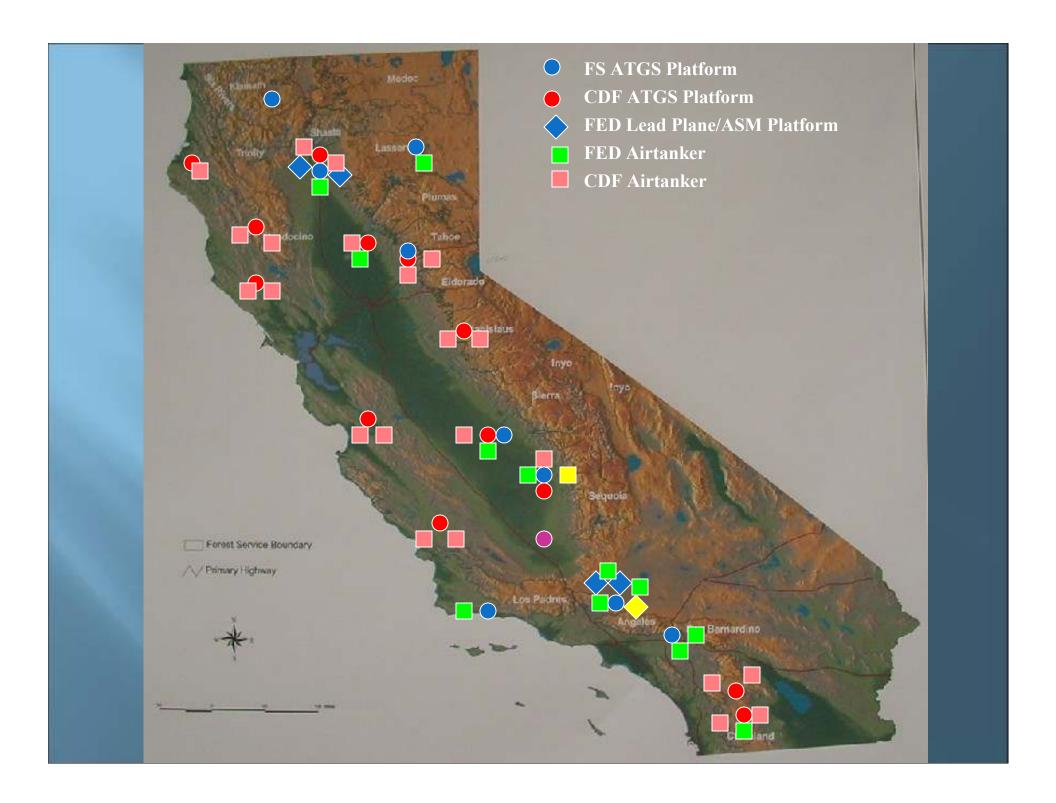






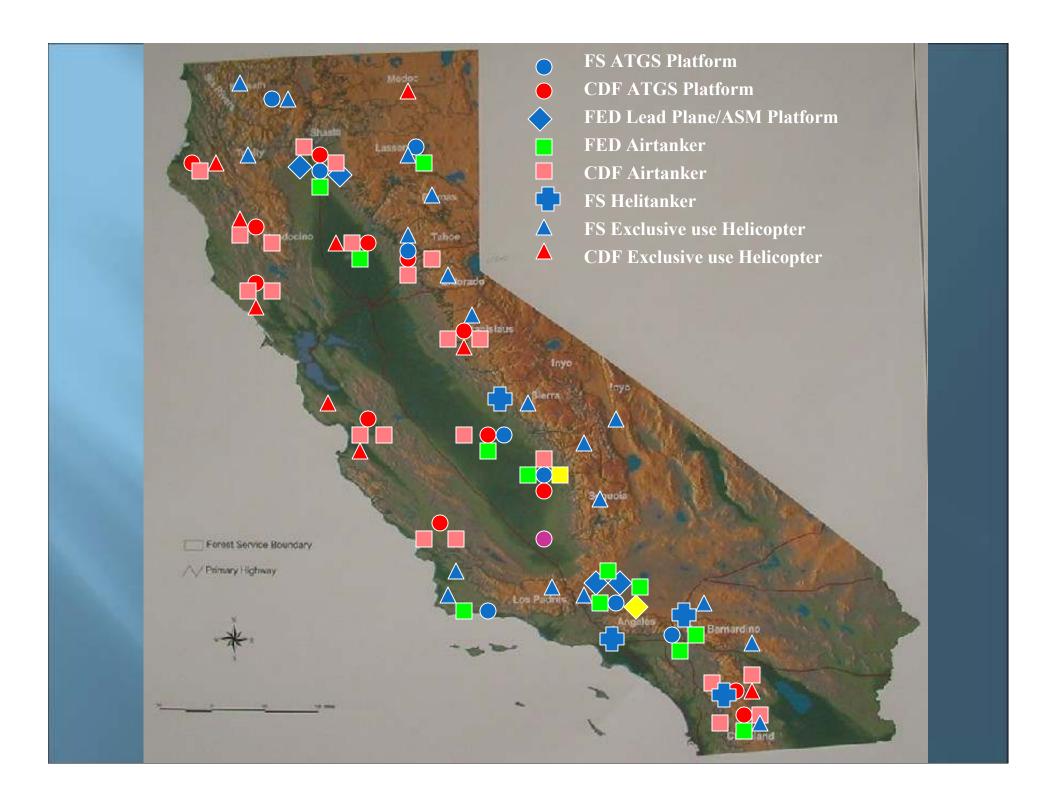


















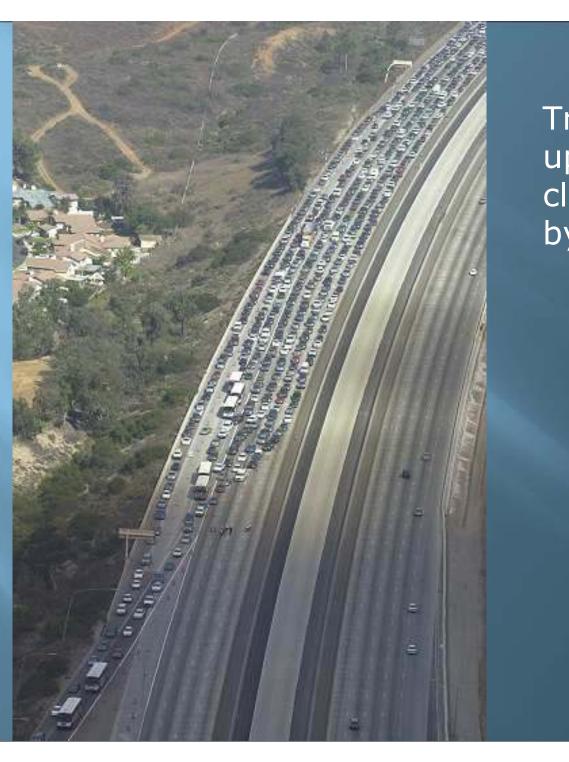












Traffic backed up on I-15 from closures forced by the wildfires

























































# Emerging Challenges in Aviation Program Management







Safety



#### What Drove Change?





Safety





- Safety
- Costs

Politics



- Safety
- Costs
- Politics

-Media



- Safety
- Costs
- Politics s
- Media

Policy





#### Safety Costs Politics Media Policy





#### Strategy

- Risk Assessment principles
- Best Value (cost avoided/money invested)
- Performance Measures
- Technology

### Strategy

- National emphasis on incorporating technology to measure:
  - Aviation Business Systems
  - Real Time Costs/use
  - GIS reference mission use
  - Safety & Aircraft Performance
  - Real Time Tactical Reporting



#### **Safecom Reporting**

This page is used to report any condition, observance, act, maintenance problem, or circumstance which has the potential to cause an aviation-related mishap. Submitting a SafeCom is not a substitute for on-the-spot correction(s).

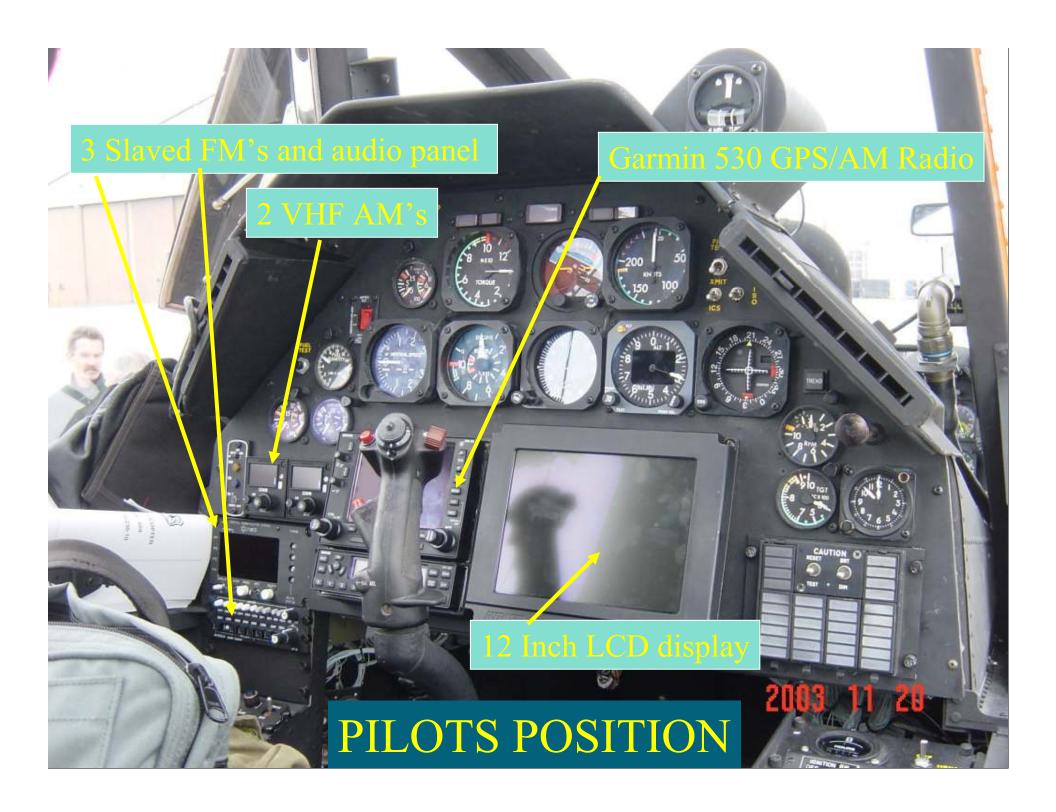
Reported By (Optional)		
SAFECOMMUNIQUE AVIATION SAFETY COMMUNIQUE	Name Phone Organization Date	Office  Other  mm / dd / yy
EVENT		
Date Local Time Injuries? YONO Damage? YONO  mm/dd/yy 24 hour clock		
Location	Sta	te 🔽
Airport, City, Lat/Long, or Fire Name		
Agency Invloved		
MISSION		





- The Safety Communiqué is designed to report any condition, act, maintenance problem or circumstance which has potential to cause an aviation-related mishap.
- Can be filed in writing or electronically.



















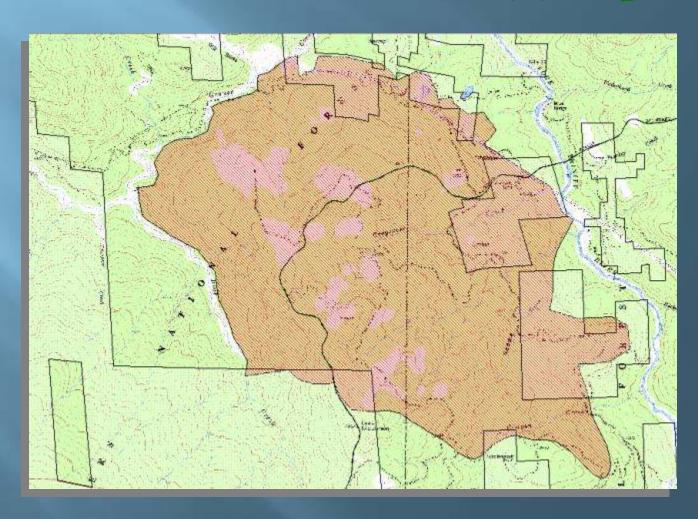
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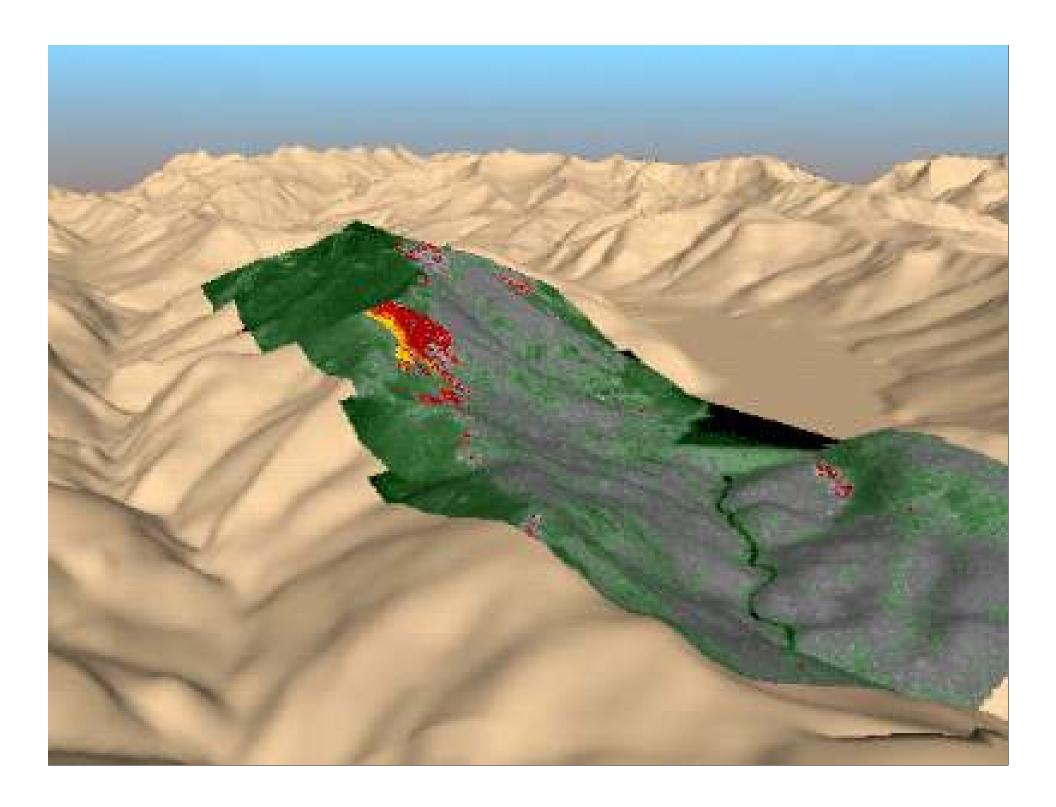




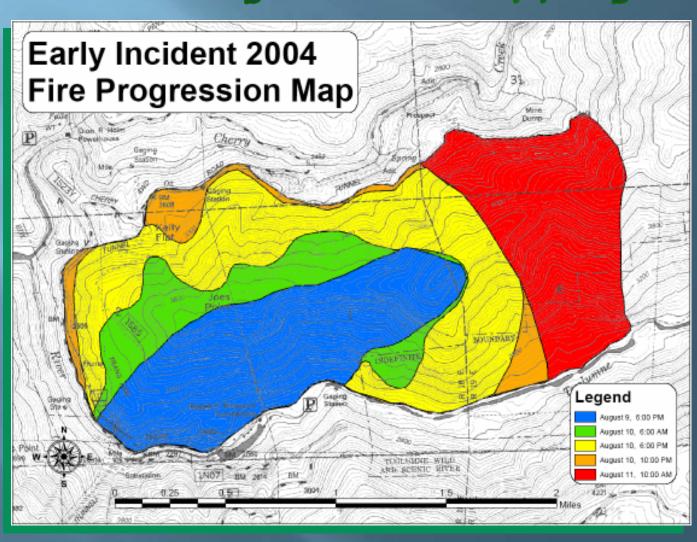


# Fire Berimeter Mapping ing

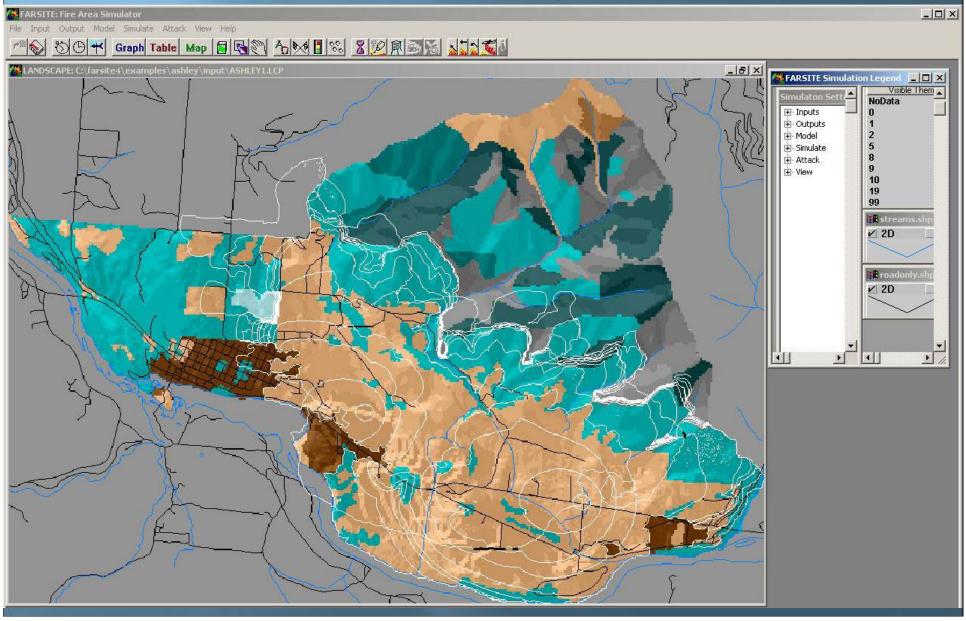




# Fire Progression Mapping



## FARSITE Products FARSITE Products



data

out

ftp rite



Data Administrator and Cartographer

bloquests,

fire perimeter maps

fire progression maps

ownership and DPA maps

fuels

fire history

weather maps

FARSITE output maps

sensitive areas

### Martin Mars/Sikorsky S-76 Real Time Technology



"THE POWER OF PERFORMANCE IS MEASUREMENT"



•HD Camera screen, camera hand controller and mapping system

•Two HD Digital video recorders for HD & IR **Simultaneously** 



### **Real Time Data Reporting**



### Night Vision Technology



























## Product and Application







