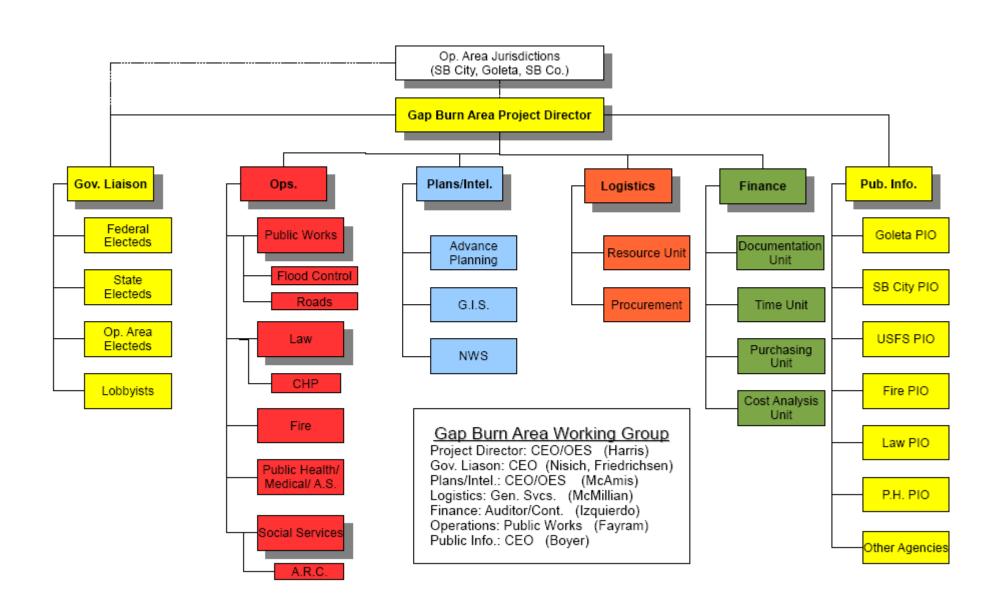
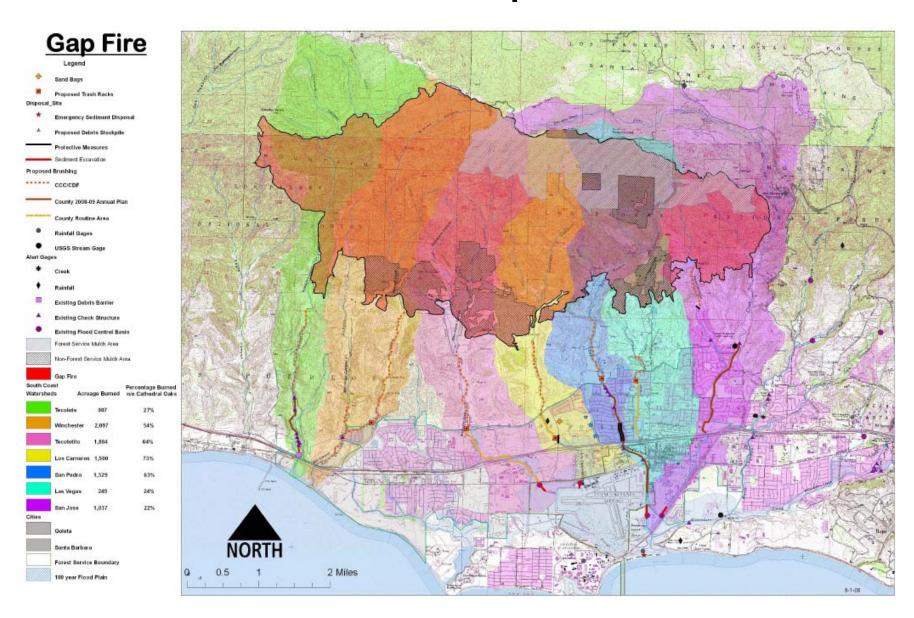
Gap Fire Coordinate Emergency Response Plan Santa Barbara County **Operation Area** September 2, 2008

Gap Fire Operational Area

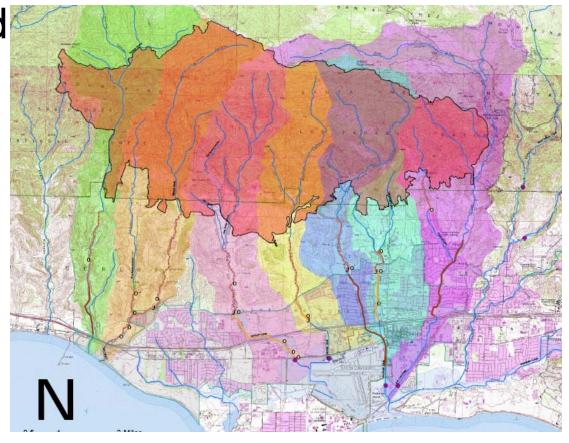


Operations Section Watershed Response Plan



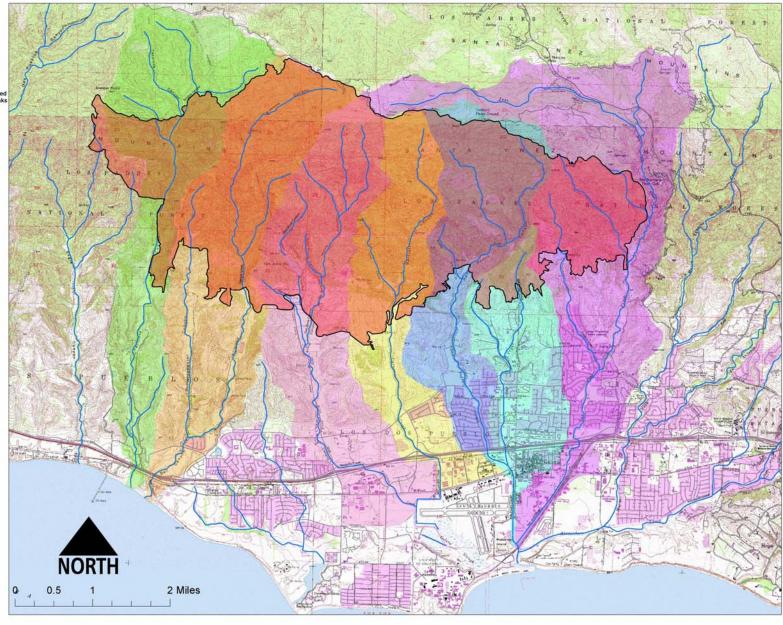
Gap Fire Statistics

- Fire Burned July 1, 2008 July 29, 2008
- Total Acres 9,443
- ~ 50% Federal Lands, 50% Non-Federal
- 7 Major Watershed
 Systems Affected

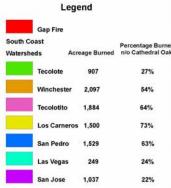


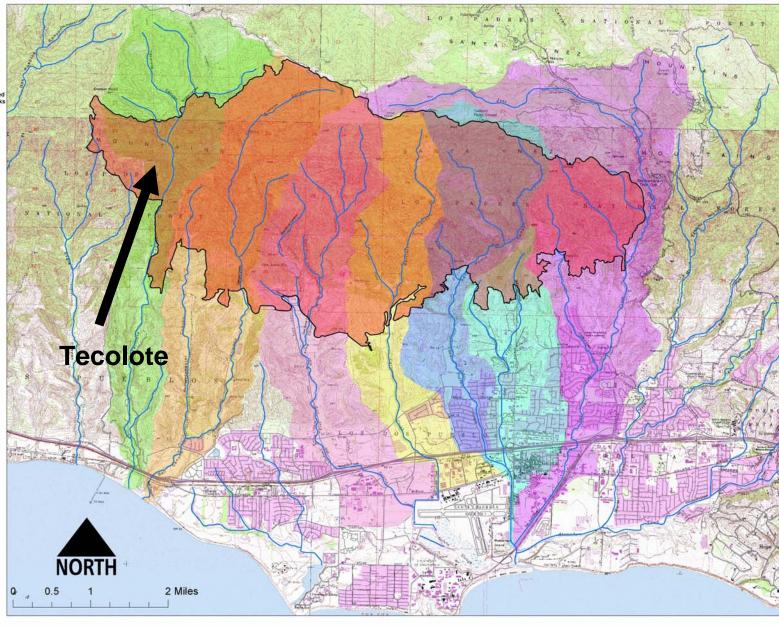






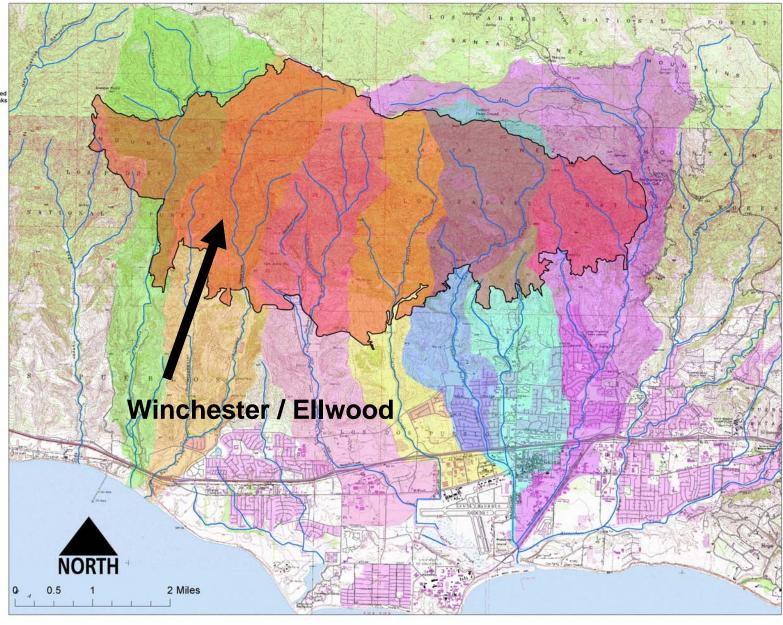


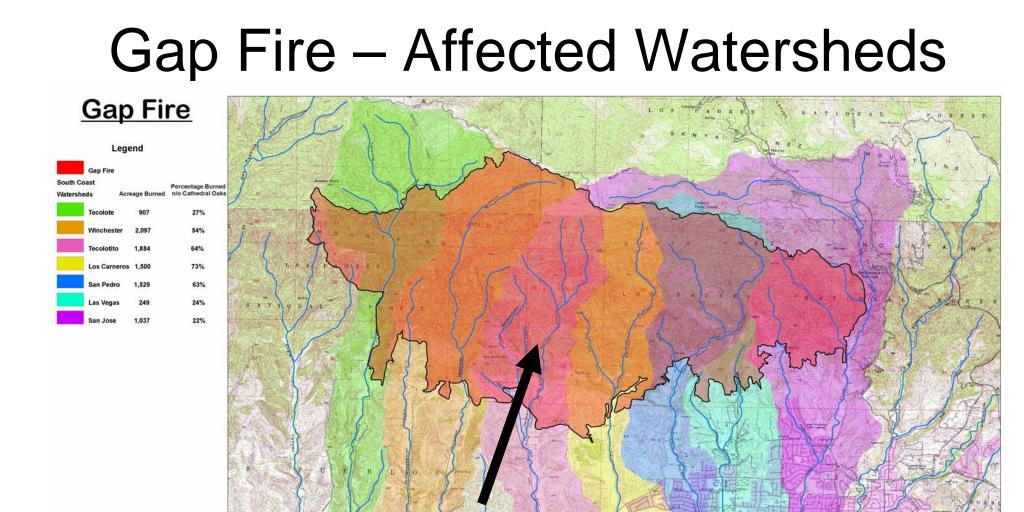








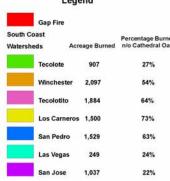


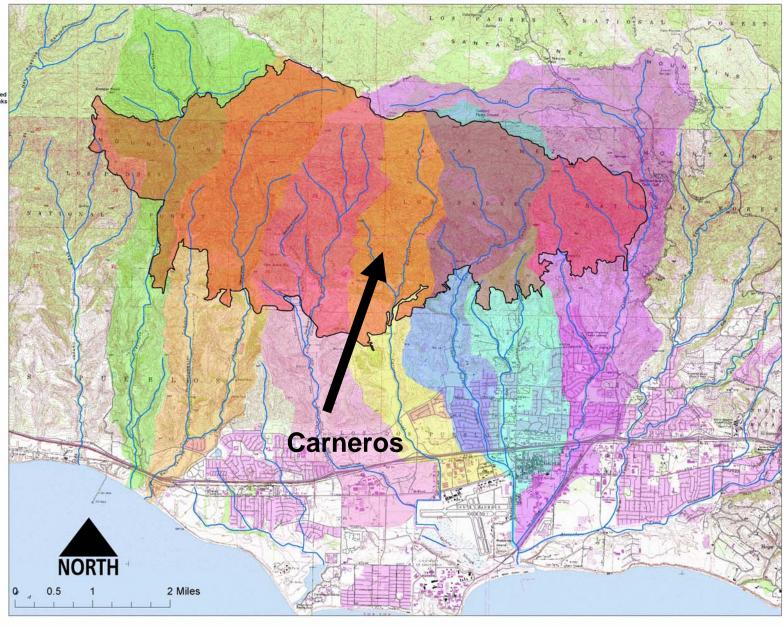


2 Miles

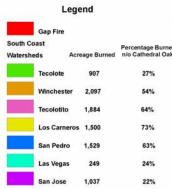
Glen Annie / Telolotito

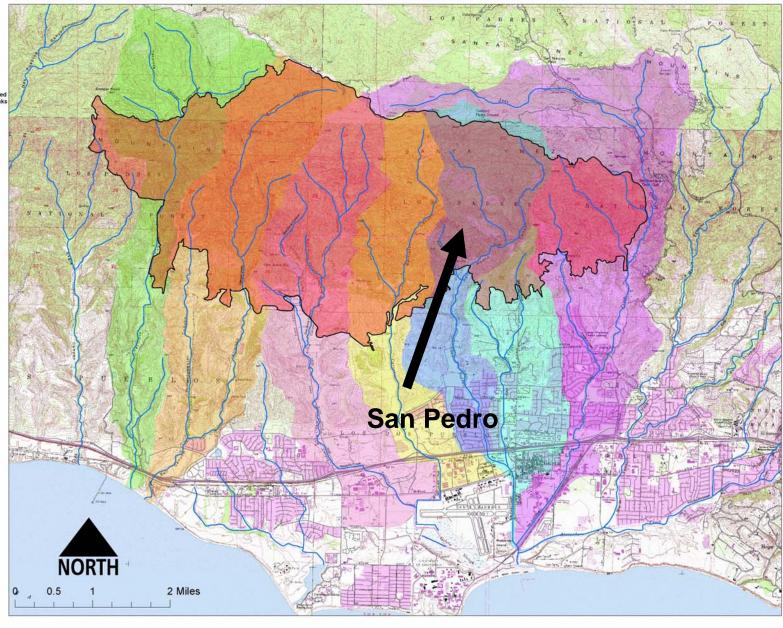




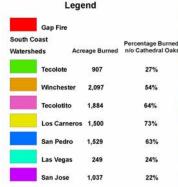


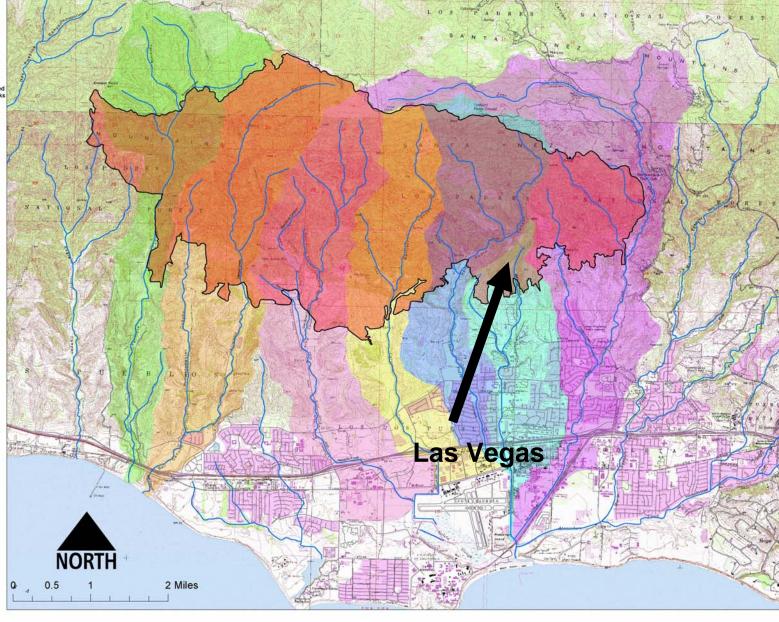




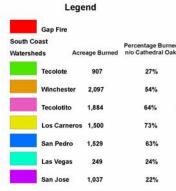


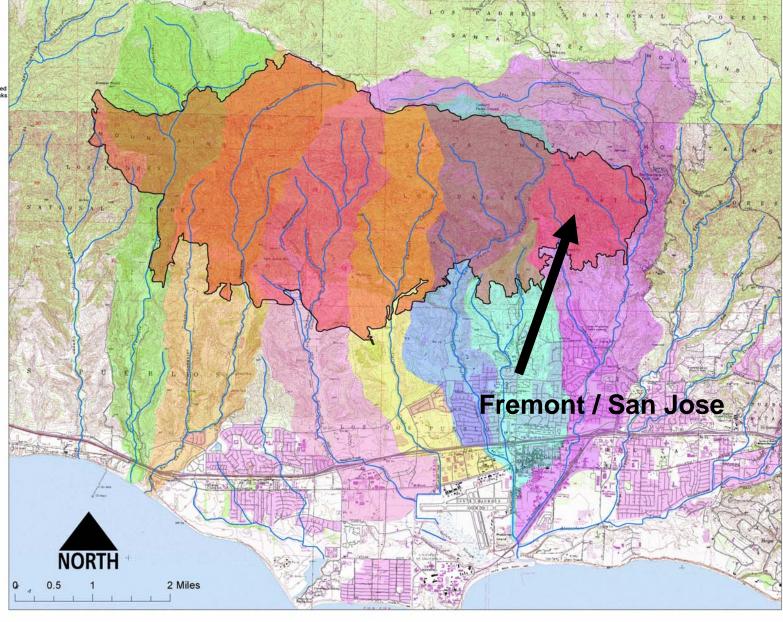












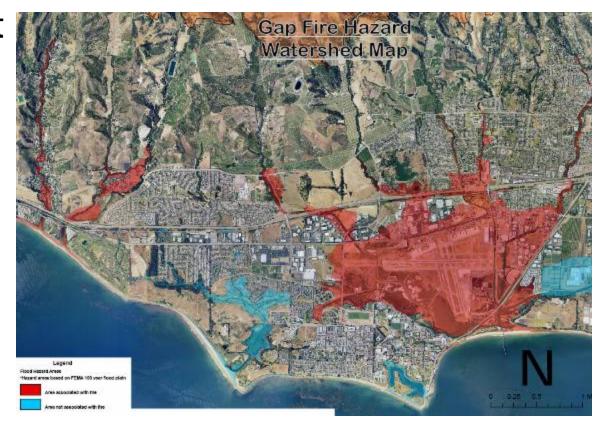
Fire and Watershed Impacts

Burned Watersheds Characteristics

- Dramatic Increase in Runoff
- Decreased Response Time for Runoff
- Dramatic Increase in Sediment Production Rates
- Heavy Loading of Vegetative Debris

High Hazard Areas

- FEMA 100 year floodplain used as base
- Previously flooded areas particularly at risk, Airport, Goleta Old Town, San Pedro Creek Corridor



Watershed Response Projects

- Stream Clearing
- Sediment Basin Cleaning
- Debris Rack Installation
- Aerial Hydromulching
- Site Selected Emergency Protective Measures
- Winter Operations
- Coordinated Response With OES and Cities of Goleta and Santa Barbara

Stream Clearing

- Approximately 16 miles of Channel Clearing.
 - Removal of obstructive vegetation on channel bottom
 - Removal of down and dead trees

Hand work, hopefully use of CDF Crews





Sediment Basin Clearing

- 4 Existing Sediment Basins at SB Airport
- Maximize pre-winter storage





Debris Rack Installations

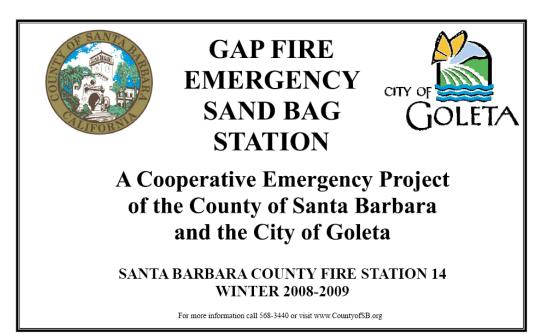
- Design Parameters
 - trap woody debris
 - protect downstream culverts
 - access for maintenance
- Locations
 - Elwood, TecolotitoCarneros, San PedroLas Vegas Creeks





Emergency Protective Measures

- K-Rail and Culvert Improvements at selected locations
- Emergency Sand Bag Station County Fire Station 14
- Others as identified



Winter Emergency Operations

- Excavation of Sediment Basins
- Creek Channel Monitoring
- Debris Rack Maintenance
- Vegetative Storage / Disposal

Emergency Sediment Disposal – Goleta

Beach



Watershed Project Costs





- Total Project Costs Estimated at \$4.7 Million
- County Secured Federal Funding (NRCS) for 75% of project costs - \$3.76 Million
- Remaining 25% may receive further State Cost Sharing
- Aerial Hydromulch Project local costs to be shared with the Cities of Goleta and Santa Barbara

Zaca Fire – Santa Maria River

Last Winter Response Project in Place

Coordination with US Army Corps of

Engineers

 All Action Plans in Place



Gap Fire Project Team Summary









