

November 30, 2006
Public Safety Agencies Begin Work on an
HPWREN-like System for Southern California



May 23, 2007

The Evolution of California Firefighting from the Eyes of Fire Captain

In this [Live Science interview](http://www.livescience.com/environment/070525_fire_fight.html) (related to a new National Science Foundation activity) by Kimberly Mann Bruch, Ron Serabia reflects back on his career - from before his earliest firefighting days to his recent work helping researchers. The NSF's funded High Performance Wireless Research and Education Network develop cutting-edge digital links connecting local command posts, the state capital, and firefighters' families during major wildfire disasters. http://www.livescience.com/environment/070525_fire_fight.html



high performance wireless research and education network

May 31, 2007

The 3Cs project and HPWREN demonstrated a multi-point video conference with a SDFD firefighter helicopter real-time video downlink during the 2007 Interagency Wildland Fire Drill



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August 16, 2007
First Responder Survey of HPWREN Connectivity
Deployment for Incident Command Posts

Since 2003, the HPWREN project has been involved with public safety networking deployment, specifically in the context of creating data communications for Incident Command Posts, from where firefighting efforts for large wildland fires were managed. To understand first responder networking requirements, HPWREN staff administered a survey late in the summer of 2006.



October 17, 2007
**The HPWREN backbone now extends via an
FCC-licensed path from the ocean to the mountains**



<http://archive.hpwren.ucsd.edu/video/20071015/20071015-LP-Helo.swf>

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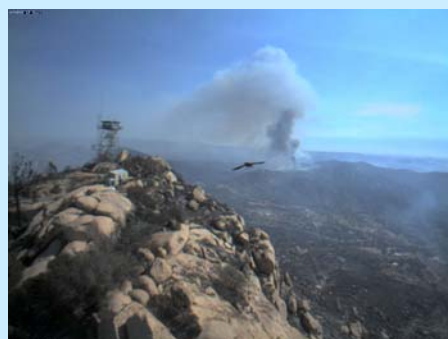
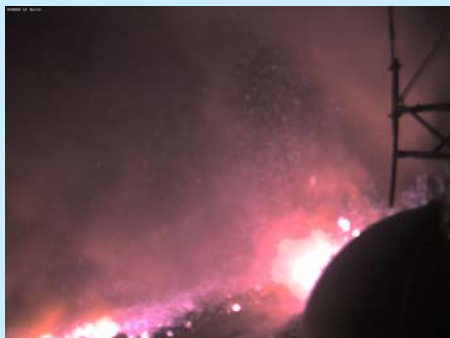
October 30, 2007 - HPWREN camera use during the October 2007 San Diego Fires – Lyons Peak

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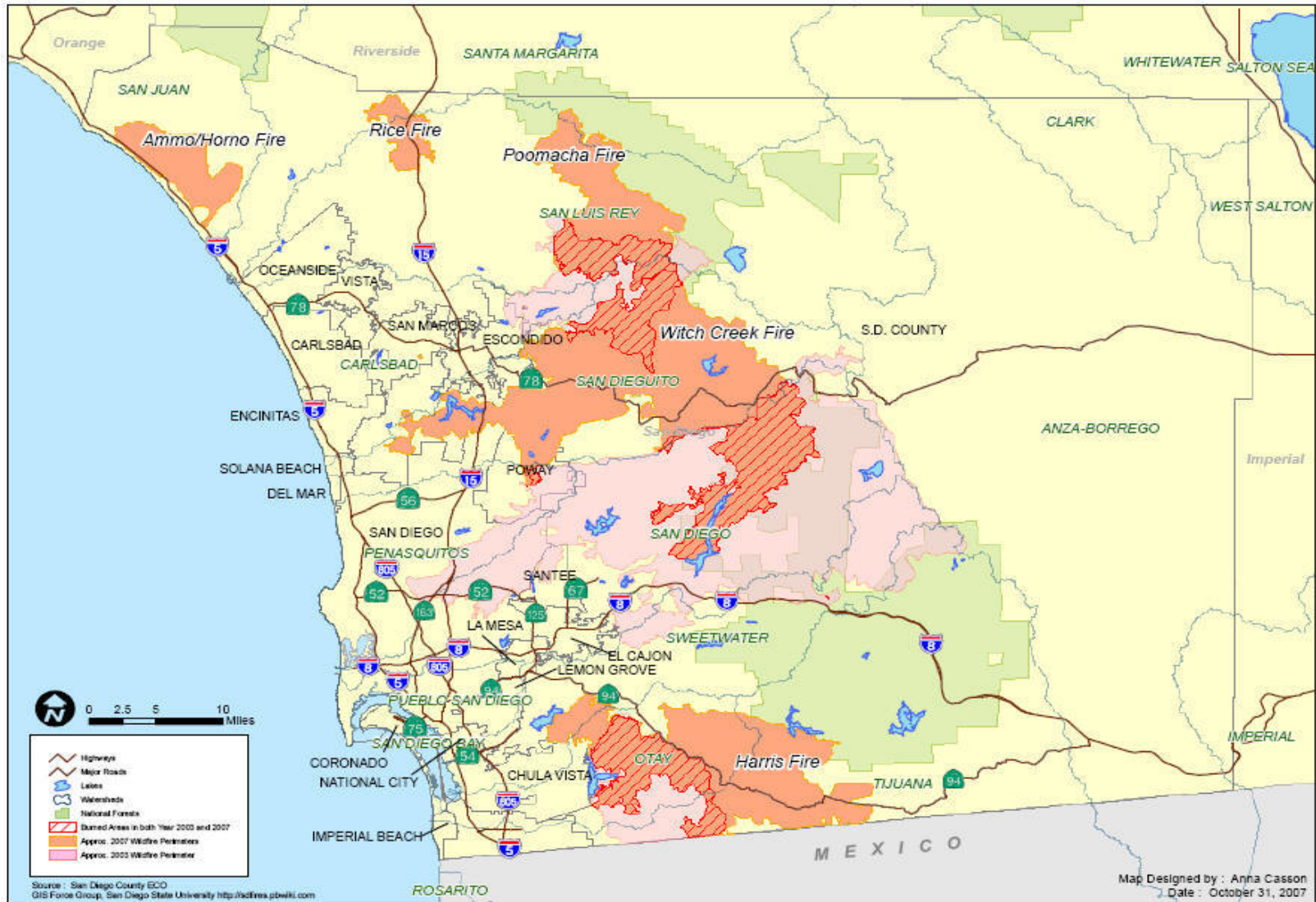
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2003 and 2007 San Diego Wildfire Damaged Areas Comparison



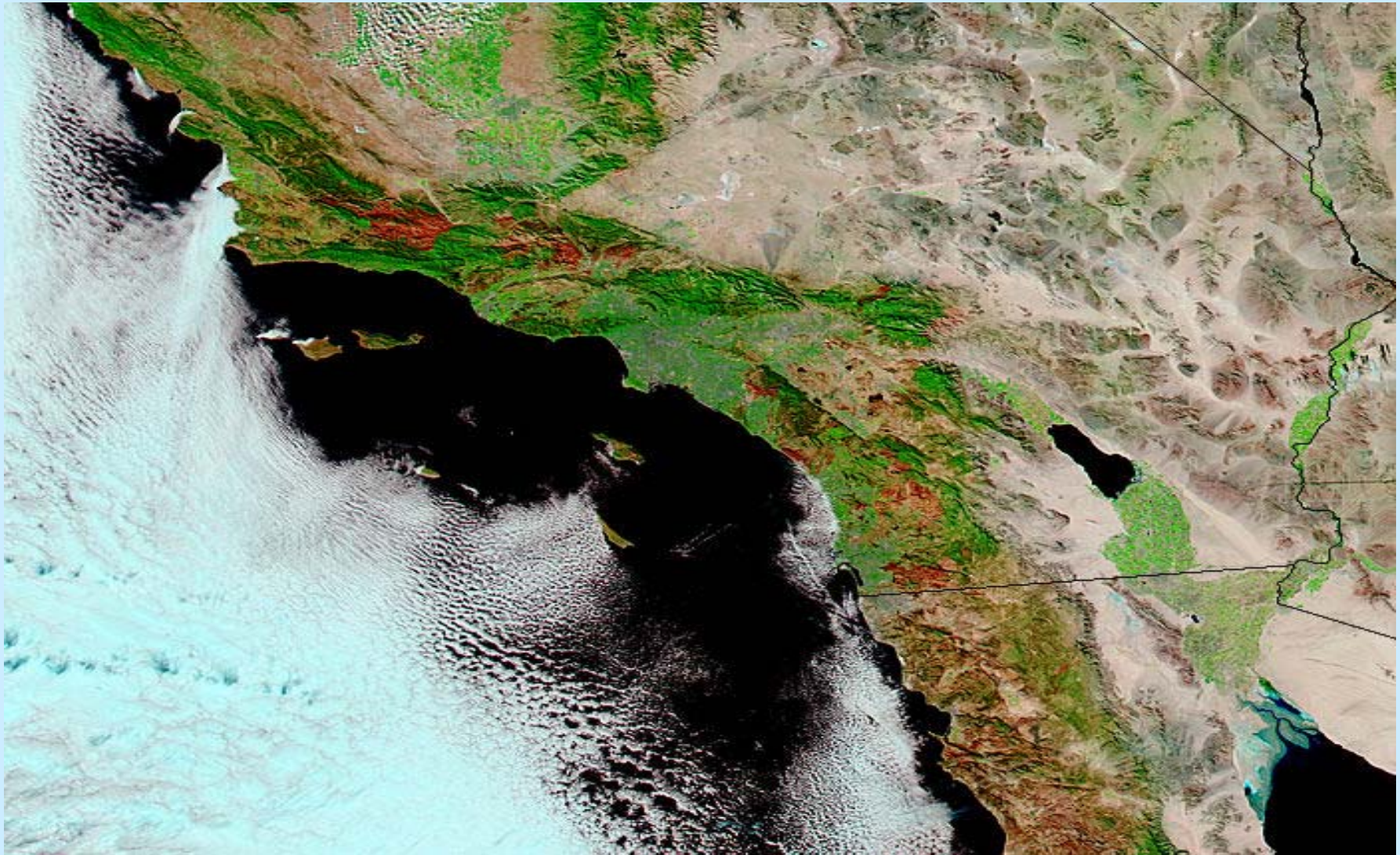
October 2007 San Diego Fire Images





Questions & Comments

On October 31, NASA's Aqua satellite captured this remarkable image of Southern California, showing the burn scars left behind after wildfires devastated the area. This image, made using visible and infrared light, shows the extent of the fires over the landscape. The charred areas appear red, unburned vegetation is bright green and bare earth is a tan color.



October 24, 2007, Update

Passing over Southern California at 3:10 p.m. on October 24, 2007, NASA's Terra satellite captured this image of the massive wildfires that have devastated the area. These startling images show the Southern California region covered in a thick blanket of smoke. Red pixels indicate fire activity. Smoke can also be seen billowing out over the Pacific Ocean. These blazes have charred 695 square miles and destroyed 1,609 homes, with damage estimated by the state Department of Insurance at more than \$1 billion.





3D Animation of the Fire Oct 21-24
(WMV format, 12MB) (created by Aude Esperbe – SDSU)