Unified Disaster Counsel

Fire Potential Index
Data Sharing

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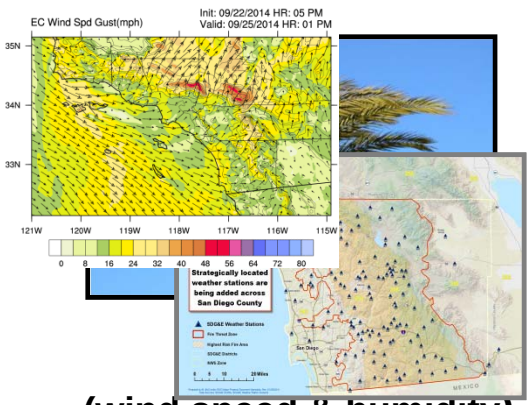
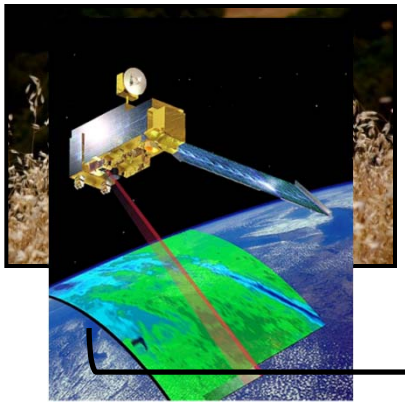
Quantifying Fire Potential: Fire Potential Index (FPI)

Wind speed, low level dryness, and fuel conditions are the determining factors for how severe a Santa Ana wind event will be in terms of its impact upon the fire environment.

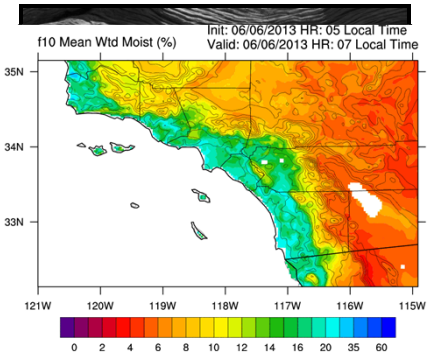


(wind speed & humidity)

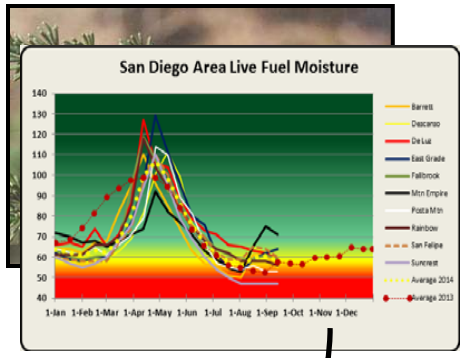
High Resolution Weather Data



Satellite Data



State-of-the-Art Fuel Moisture Technology



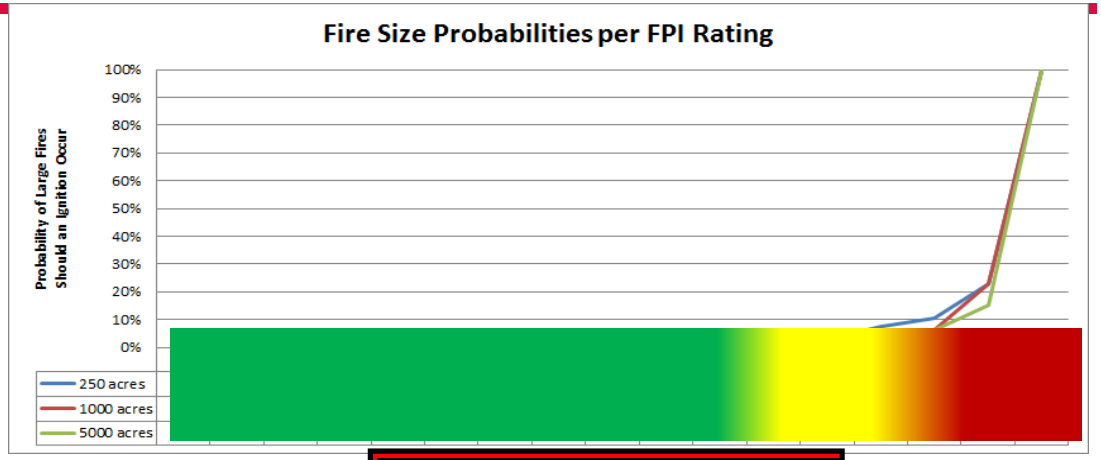
Fuels Modeling

Fuel Sampling Program

Fire Potential Index – As Back-casted

Border #50 Fire

Pines Fire

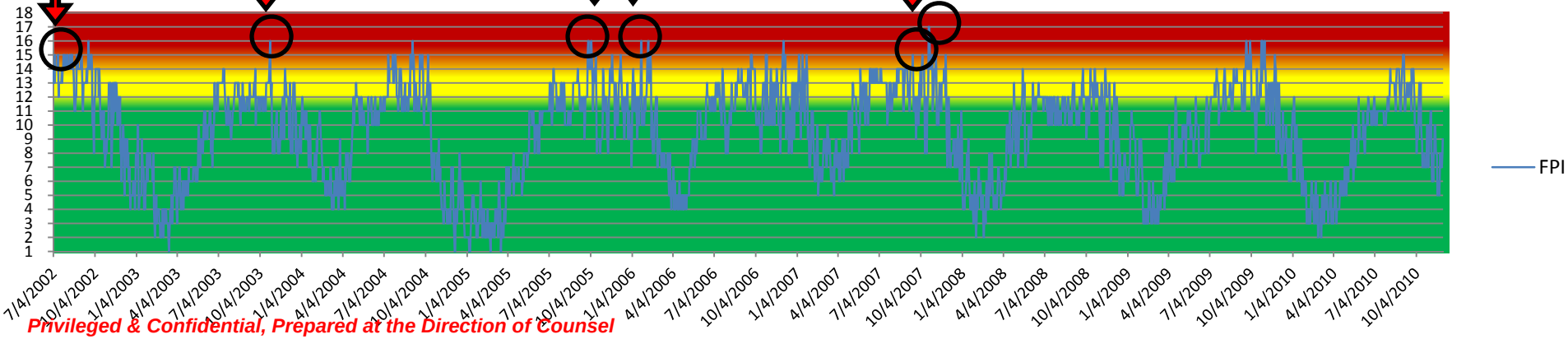


Cedar Fire

Sierra Fire

Angel Fire

Witch Fire



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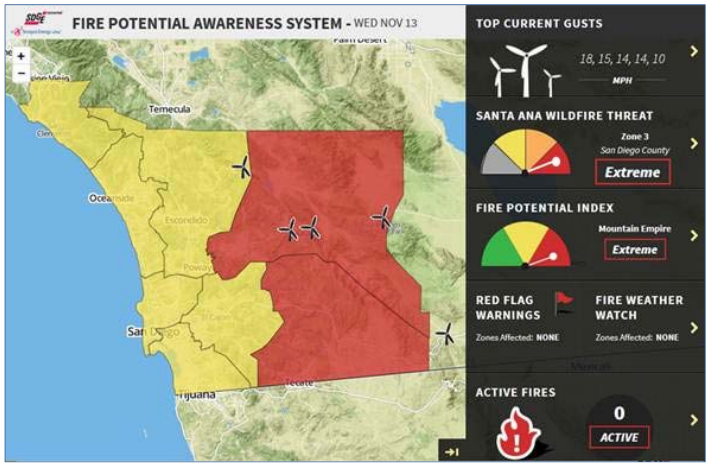
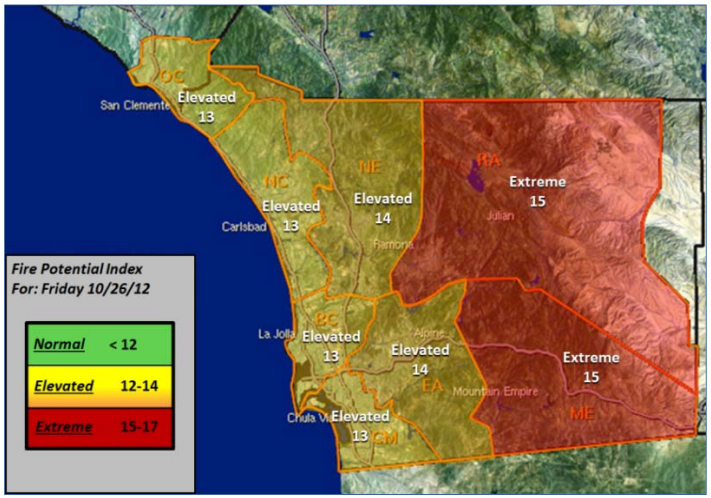
Fire Potential Index (FPI)

The Fire Potential Index is a planning and decision support tool designed to reduce the risk of a wildfire while improving efficiency and reliability.

- Incorporates weather, live fuel moisture, dead fuel moisture, and greenness of the annual grasses
- Calculated at the district level
- Issued 12:30 pm daily
- Used to inform operational decisions, work restrictions, resource allocation



	Thu 10/25	Fri 10/26	Sat 10/27	Sun 10/28	Mon 10/29	Tue 10/30	Wed 10/31	Thu 11/01
ME	Normal 11	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 10
RA	Normal 11	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 10
EA	Normal 10	Elevated 14	Elevated 12	Normal 11	Normal 11	Normal 10	Normal 10	Normal 10
NE	Normal 10	Elevated 14	Elevated 12	Normal 11	Normal 11	Normal 10	Normal 10	Normal 10
OC	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9
NC	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9
BC	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9
CM	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9



Thank You!