SDG&E's Fire Potential Index

Presented by: Steve Vanderburg
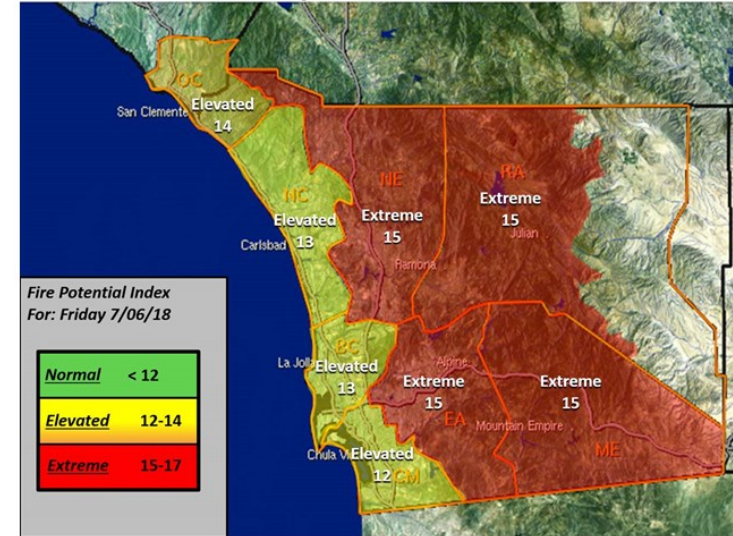SDG&E Principal Meteorologist

March 20, 2019

Assessing Fire Potential: Example from July 6, 2018

- West Fire in Alpine, CA
  - 504 acres
  - 56 structures destroyed

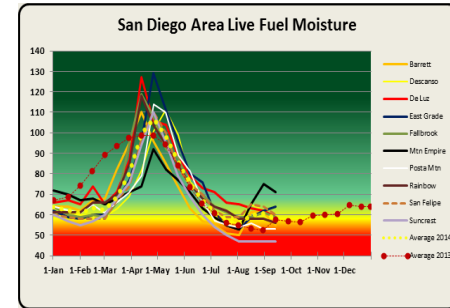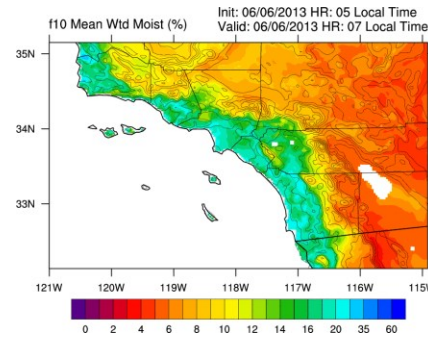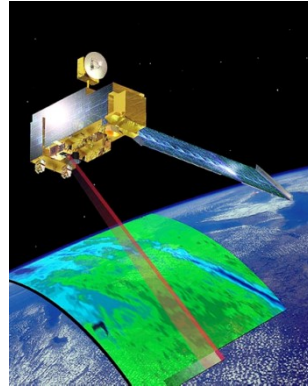- No Red Flag Warning
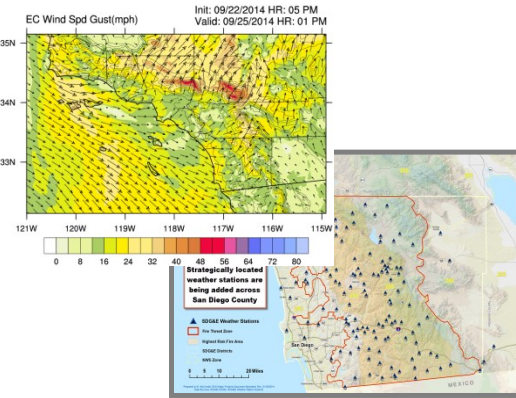
- First ever summertime "Extreme" FPI

Axis-Lyons X:+10.26 Y:-1.30 Z:5.0 CFMVU:ccosta:32.0m2018/07/06 12:08:27.36 UC San Diego/HPWREN http://hpwren.ucsd.edu

Fire Potential Index for Friday 7/06/18:

Fire Potential Index For: Friday 7/06/18

Normal	< 12
Elevated	12-14
Extreme	15-17

Seven Day FPI Outlook:

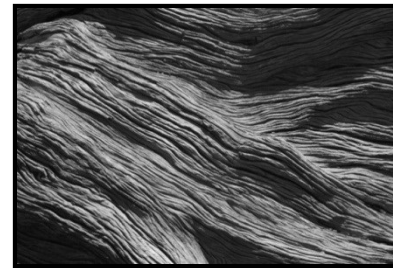|	Thu 7/05	Fri 7/06	Sat 7/07	Sun 7/08	Mon 7/09	Tue 7/10	Wed 7/11	Thu 7/12
ME	Elevated 13	Extreme 15	Elevated 14	Elevated 13	Elevated 12	Elevated 12	Elevated 12	Elevated 12
RA	Elevated 13	Extreme 15	Elevated 14	Elevated 13	Elevated 12	Elevated 12	Elevated 12	Elevated 12
EA	Elevated 13	Extreme 15	Elevated 14	Elevated 13	Elevated 12	Elevated 12	Elevated 12	Elevated 12
NE	Elevated 13	Extreme 15	Elevated 14	Elevated 13	Elevated 12	Elevated 12	Elevated 12	Elevated 12
OC	Elevated 12	Elevated 14	Elevated 13	Elevated 12	Elevated 12	Elevated 12	Elevated 12	Elevated 12
NC	Normal 11	Elevated 13	Elevated 12	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 11
BC	Normal 11	Elevated 13	Elevated 12	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 11
CM	Normal 11	Elevated 12	Elevated 12	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 11

SDG&E's Fire Potential Index (FPI)
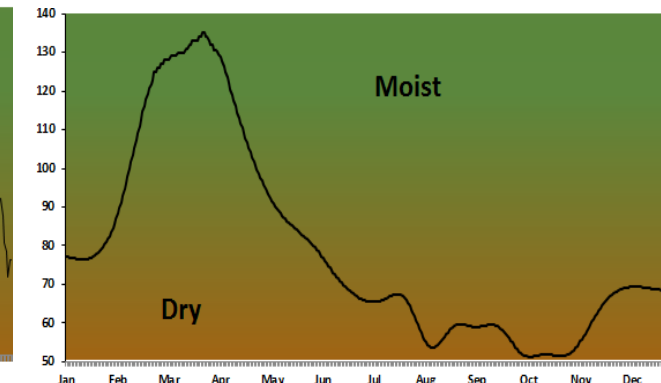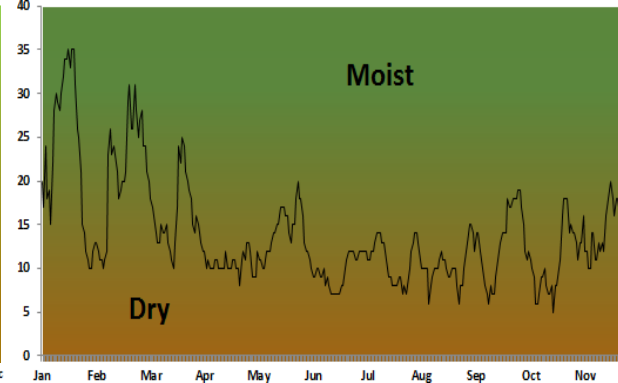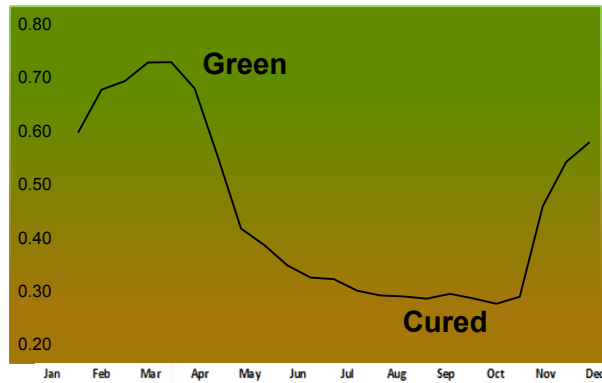

Weather
(wind speed & humidity)

Grasses

Dead Fuels

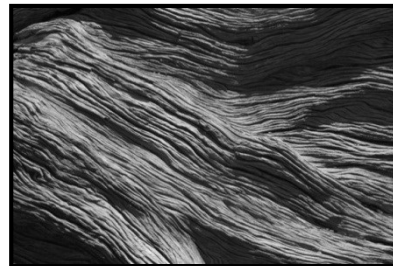**Live Fuels**

Fuel Moisture

Fire Potential Index: Fuels Component
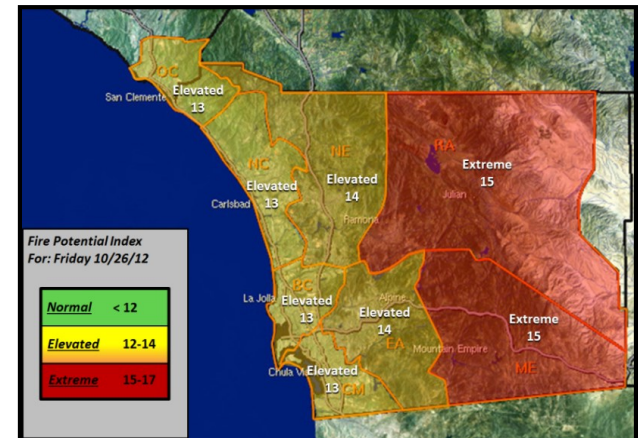

Grasses

Dead Fuels

Live Fuels

SDG&E's Fire Potential Index (FPI)

- The FPI is updated daily and is used to help determine the fire prevention / mitigation measures required to perform various work activities