SAN DIEGO UNIFIED DISASTER COUNCIL
MEETING MINUTES
April 18, 2024

1. **CALL TO ORDER**

Jeff Toney called the meeting to order at 9:03 am and roll call was taken.

2. **ROLL CALL**

	MEMBER
CARLSBAD	Kim Young
CHULA VISTA	Harry Muns
COUNTY OF SAN DIEGO	Jeff Toney
DEL MAR/ ENCINITAS/ SOLANA BEACH	Joshua Gordon
EL CAJON	Brent Koch
ESCONDIDO	Jeff Murdock
IMPERIAL BEACH	John French
LA MESA	Ray Sweeney
LEMON GROVE	Andy McKellar
NATIONAL CITY	Walter Amedee
POWAY	Jeff Chumbley
SAN DIEGO	Colin Stowell
SAN MARCOS	Jamie Smith
SANTEE	Justin Masushita
VISTA	Brett Davidson

3. **CALL FOR PUBLIC INPUT**

There was 1 request for public comment.

4. **APPROVAL OF MINUTES**

ACTION: The minutes of October 19, 2023, were unanimously approved.

No public comments.

5. **MASS DECONTAMINATION UNIT–** Laura Caracciolo, OES
   - There are currently 3 Mass Decontamination Trucks that were funded by the UDC.
   - Public Health Preparedness and Response (PHPR) requested to either salvage or return the 22' Class C box truck to the UDC due to difficulties utilizing the truck for medical deliveries.
   - The 2 26' Class B box trucks were identified by County Fleet Services for CARB ACF electric vehicle conversion.
   - The three options to consider for these trucks are to return to service, salvage or replace.

ACTION: Motion made to table this action item and have a further review done at the HIRT subcommittee meeting.

1 public comment.

6. **Informational Presentations and Standing Reports**

A. **Cybersecurity Report**- Drew Facetti, LECC

- Slides and presentation were given.
- Current Cyberthreat groups and methods of cyber-attacks were identified.
- The San Diego Law Enforcement Coordination Center (LECC) currently provides resources for NetFlow Analysis, External Vulnerability Scans, Leaked Credential Monitoring, Dark Web Searches, Information Sharing, Task Force Collaboration, Presentations and Products.

B. **Genasys Project Update**- Stephen Rea, OES

- Genasys Alert is a location based alerting program. This program was formerly known as GEM.
- Alert San Diego has been powered by Genasys since October 16, 2023. This replaced Blackboard Connect. There are currently over 500K registrants. It utilizes a multi-channel contact that includes voice, text, email and WEA. This platform was utilized for the January 22nd Flooding.
- Genasys EVAC contains geographic alerting zones. It was formerly known as Zonehaven. It includes a public website and mobile app.
- Genasys EVAC Go Live Date is scheduled for May 31, 2024

C. **CalOES Report**- Patrick Buttron, CalOES

- 2 Disaster recovery centers are open. CalOES staff is present at both locations.
- ESC was deployed to the SD County Emergency Operations Center at the start of the Winter Storm Disaster of January.
- 1 new employee has been hired for the San Bernadino CalOES location.
- 2 current job vacancies.
- Requests for training can be sent to Patrick Buttron.
- Resource Request training has been provided.

D. **State Homeland Security Program Grant-** Valentine Dama, OES

- FY21- CalOES approved our Performance Period Extension request until May 31, 2025. Our second reimbursement was approved by the State for the amount of $653,974.
- FY22- OES submitted our SHSP Bi-Annual Strategy Implementation Report on the FEMA Grants Reporting Tool website on January 9th. We have officially commenced FY22 SHSP monitoring activities and will be scheduling virtual subrecipient visits.
- FY23- Award letter was received from CalOES. The amount awarded is $3.2 million. The performance period is September 1, 2024, through May 31, 2026. We are currently waiting for the final approval of our operational area projects. Once that is approved award letters will be sent to subrecipients.
- FY24- Workbook has been submitted to CalOES on February 13th for review and approval.

E. **Urban Area Security Initiative Grant Program-** Katie Mugg, City OES

Updates were provided.
FY21- Has been completed.
FY22- Is on track and projections will be sent out in the next month
FY23- Final approval from the state has not been received. In preparation for the final approval City OES will be holding a joint training with County OES on April 24th.
FY24- Received Notice of Funding Opportunity for San Diego region. Cut in funding is expected.
FY25- Preparations have begun and projected completion date for submittal is expected to be the end of November.

1 public comment.

7. <u>Executive Report</u> – Jeff Toney, OES

- Updates provided on Border Crisis.
- Updates provided on January Winter Storm. The EOC remains activated.
- Over 3,00 residents have self-reported damages through Crisis Track.
- FEMA has awarded over 21 million dollars to flood victims.
- Disaster Resource centers are scheduled to close on Friday, April 19th. Last day to apply for FEMA assistance is also Friday.
- Legislative updates provided.

No public comments.

8. <u>NEXT REGULAR MEETING</u>- June 20, 2024, from 9:00-11:00 am
SD County OES - 5580 Overland Avenue, Suite 100, San Diego, CA 92123

<u>MEETING ADJOURNED</u> – 10:47 AM

MASS DECON UNIT SUBCOMMITEE REPORT

Unified Disaster Council

6/20/24

Mass Decontamination Units (MDUs)

Box Trucks

- 3 Purchased in 2007
  - 22’ Class C
  - 26’ Class B (2)
- Funded by UASI Grant
- Capable of 200-person decontamination
- 1.5-to-3-hour setup time
- 25-person team

Status: MDU-101

- Transferred to PHPR Warehouse through 2022 UDC vote.
- Equipment staged on warehouse floor
- PHPR - Difficulties utilizing Class C Box Truck due to drivers license requirements

MDU Equipment

- Victim Rescue & Care Equipment
- Tents, Basins, Risers
- Bladders, Pumps, Hoses
- Generators, Heaters
- Miscellaneous expired items
  - Batteries, PPE, soap, bleach, etc.

Considerations

Challenges

- Class B license required
- Driver and operator availability
- Expired consumable supplies
- Fully depreciated vehicles
- Vehicle parking locations

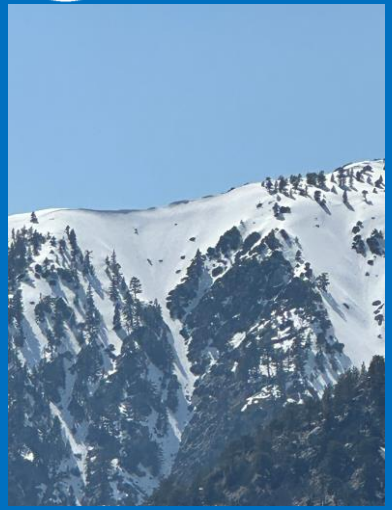
Advantages

- Valuable regional capability
- Limited ongoing cost
- Difficult to replace
- Preventative maintenance & low miles

Subcommittee Recommendation

- MDU-101 (Class C box truck at PHPR warehouse)
  - Return to Service
    - Update consumable equipment
    - Reassign to a fire station or road station
- MDU-102 and MDU-103 (Class B box truck)
  - Maintain Service
    - Update consumable equipment
    - Maintain current locations
- Continue to discuss options and report back to UDC

Winter 2023-24



San Diego County

Alex Tardy
alexander.tardy@noaa.gov
NWS San Diego

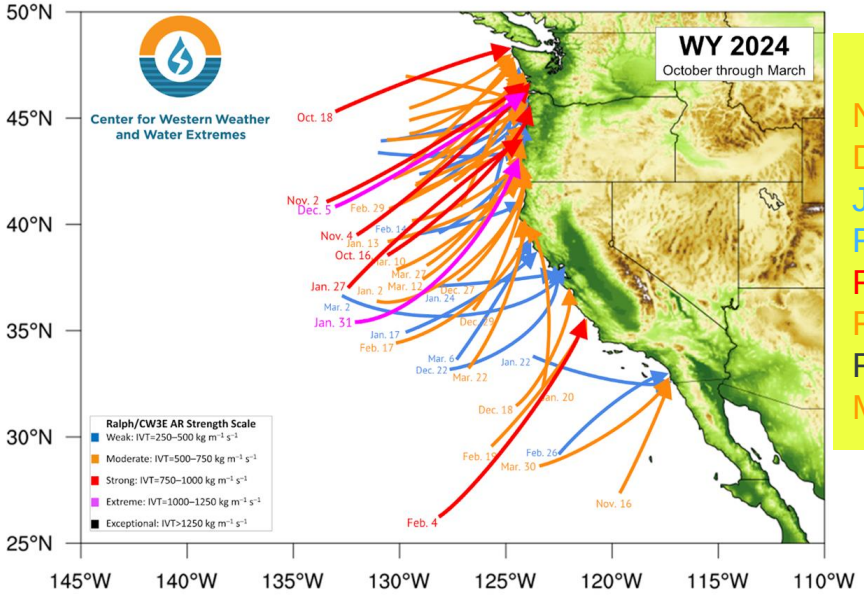
Socal Summary of atmosphere and ocean 2023-24

- Strong El Niño (warmer water) occurred along the equatorial Pacific Ocean
- Atmospheric jet stream is responding in the central Pacific, but continues to be split with a north and south branch across Southern California
- The extended strong subtropical jet has led to unusual lightning events and major surf in late December and early January (more energy in atmosphere)
- Precipitation and snowpack was only 25-50 percent normal until January 22 heavy rainfall that continued through February and a portion of March for southern California (snowpack reached around 110 percent for state)
- Pacific Jet stream was focused on southern California late January through early March - resulted in major precipitation increasing to 80 to 140 percent of average (highest on the coast)
- There were 6 atmospheric rivers of weak to moderate strength and only 1 strong
- January 22 heavy rainfall was associated with weak atmospheric river
- A cold Pacific weather system brought unusual lightning in mid March, heavy snowfall in late March and a final storm produced locally heavy rain in early April
- Inter seasonal variability has been extreme, including dry and wet 2021 through 2023 - wettest years have been La Niña (2011, 2017 and 2023)

Wet season 2023-24

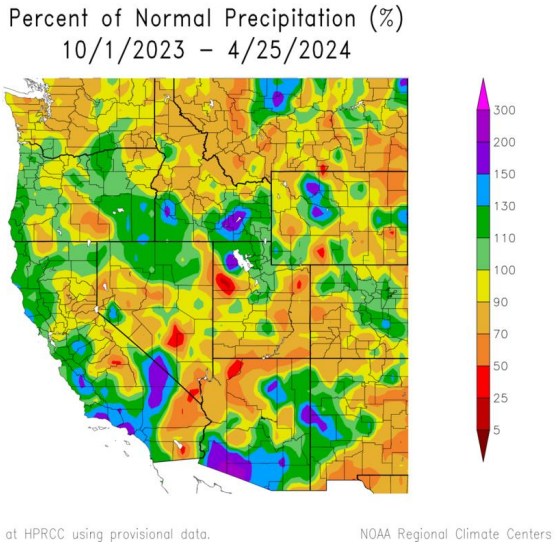
Path and dates for Atmospheric Rivers

Above normal for the coast

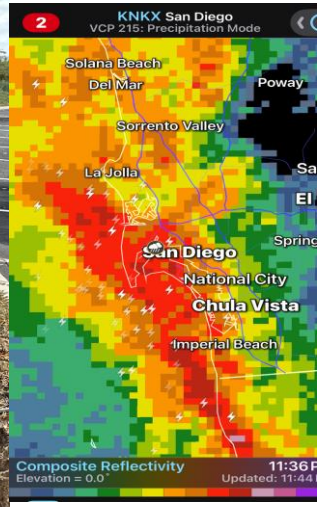


Events

- Nov 16 - moderate
- Dec 18 - moderate
- Jan 22 - weak
- Feb 1 - weak
- Feb 4* - strong
- Feb 19 - moderate
- Feb 26* - no impact
- Mar 30 - moderate



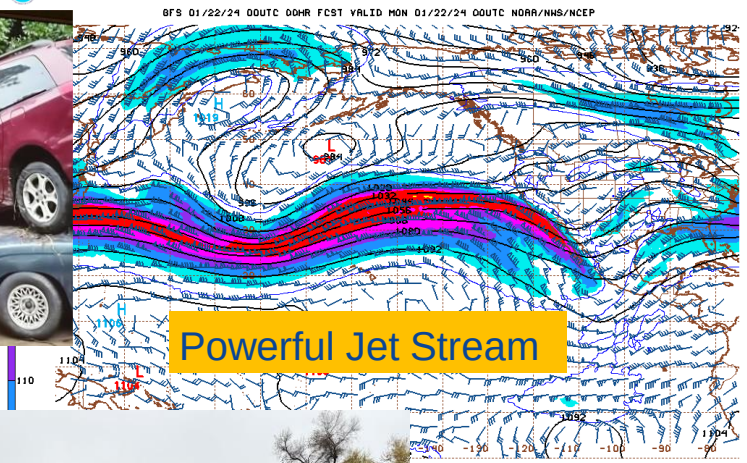
November 15, December 20-22, January 20-22, February 1, February 3-8, February 20-21, March 1-2, March 5-6, March 15-18, March 23-24, March 30-31, April 4-5


2
KNKX San Diego
VCP 215: Precipitation Mode
Solana Beach
Del Mar
Poway
Sorrento Valley
La Jolla
San Diego
National City
Chula Vista
Imperial Beach
Composite Reflectivity
Elevation = 0.0°
Updated: 11:44

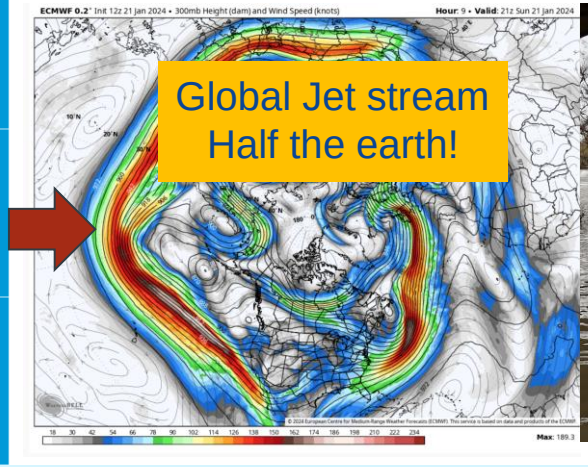

1
KNKX San Diego
VCP 215: Precipitation Mode
San Marcos
San Marcos
Encinitas
Rancho Santa Fe
Fairbanks Ranch
Solana Beach
Del Mar

Jet stream for January 20-22, 2024 - heavy rainfall

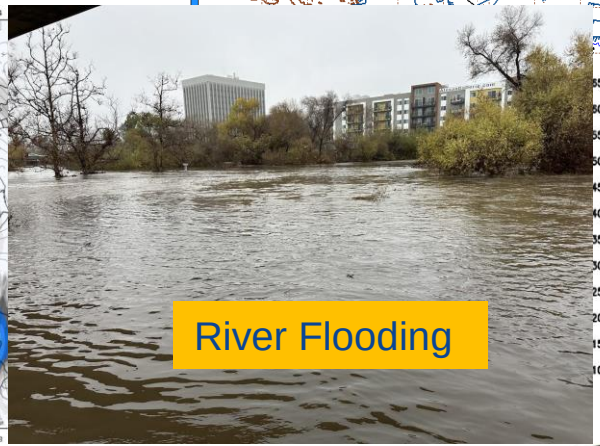
Flash Flooding



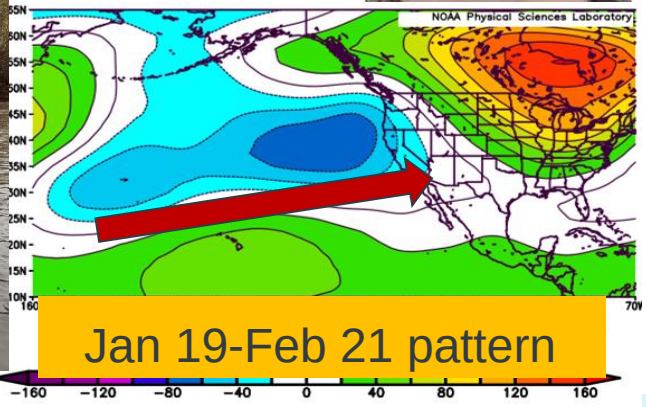
Powerful Jet Stream



Global Jet stream
Half the earth!



River Flooding



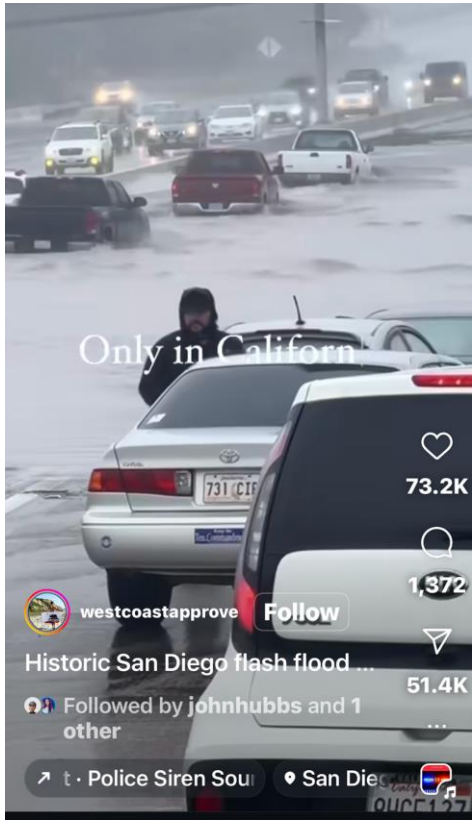
Jan 19-Feb 21 pattern

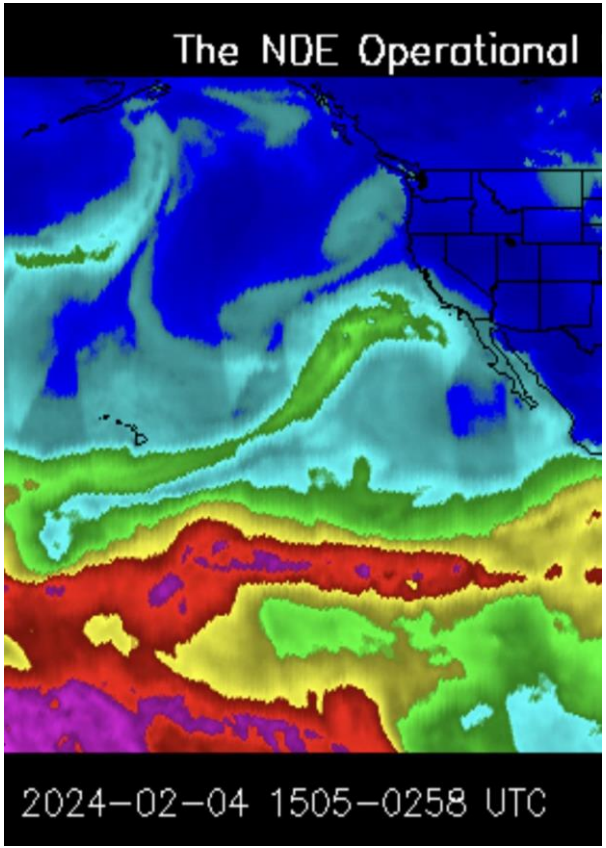
San Diego River



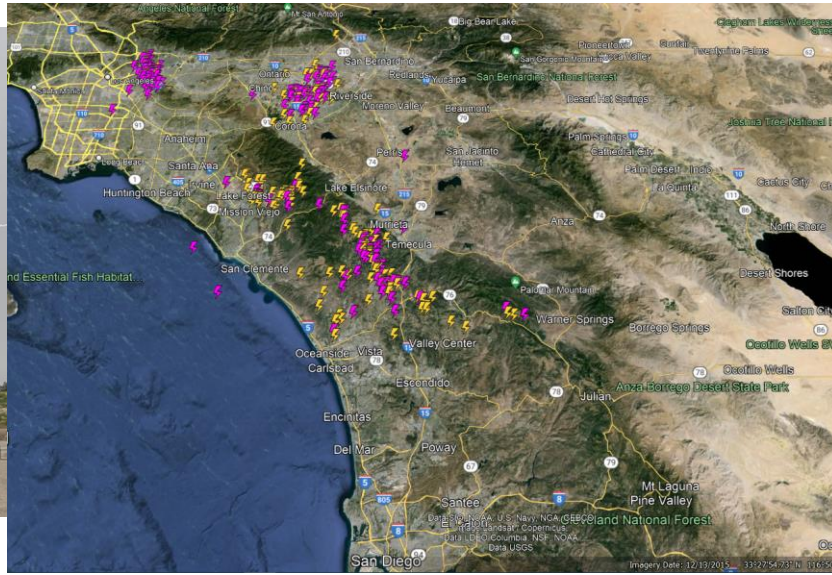

Survey

Early February atmospheric river



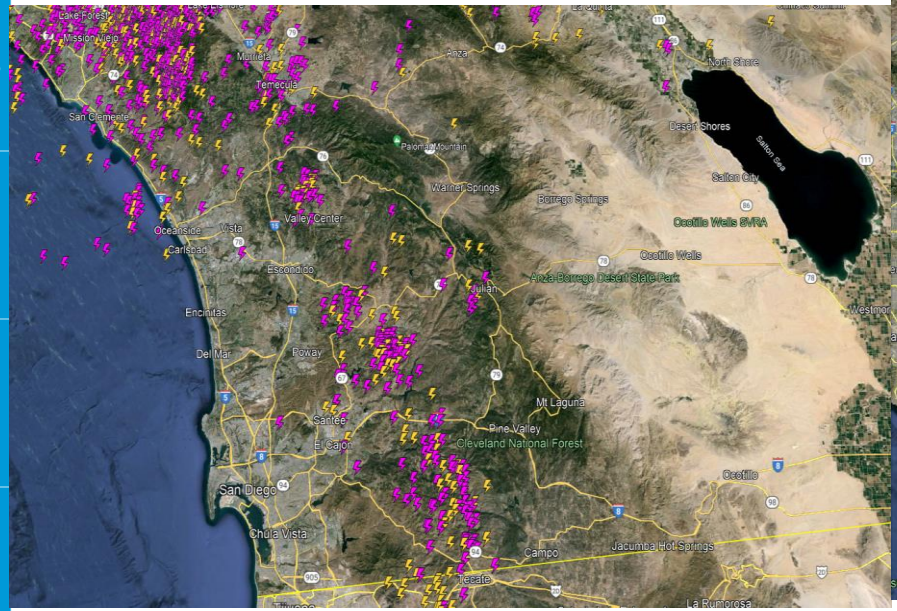


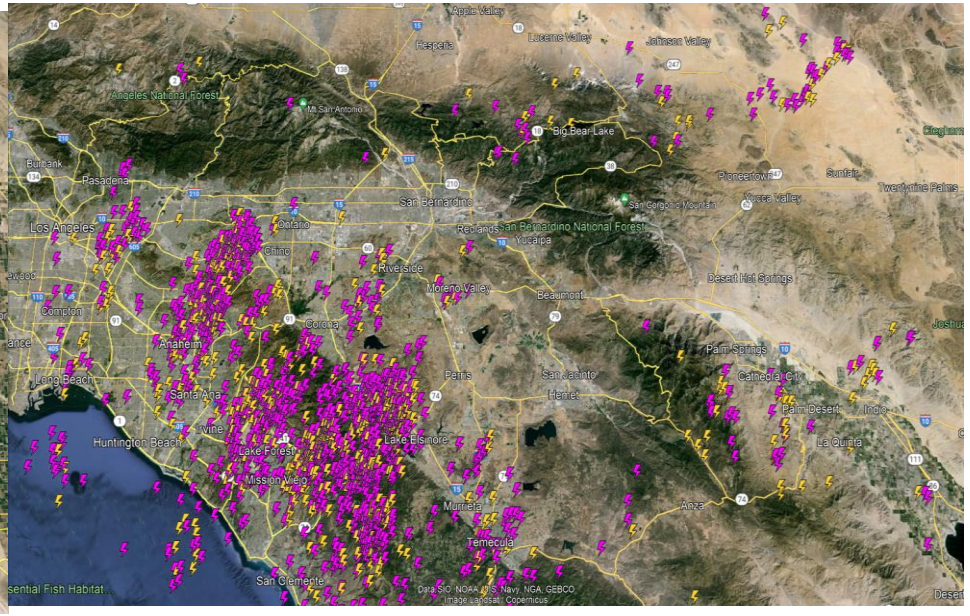
Lightning in March

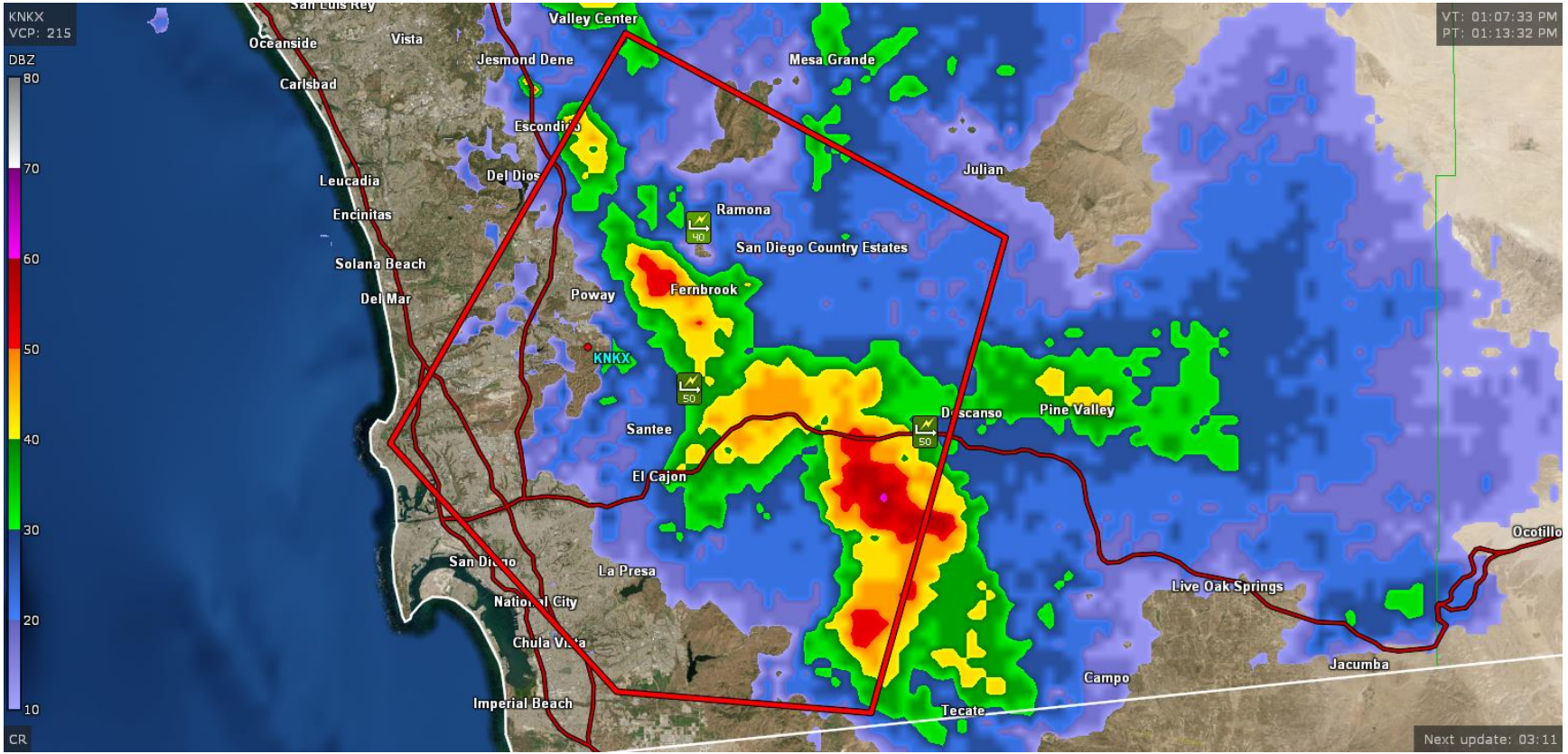


Earth Network -1415 total and 659 CG flashes

March 18, 2024



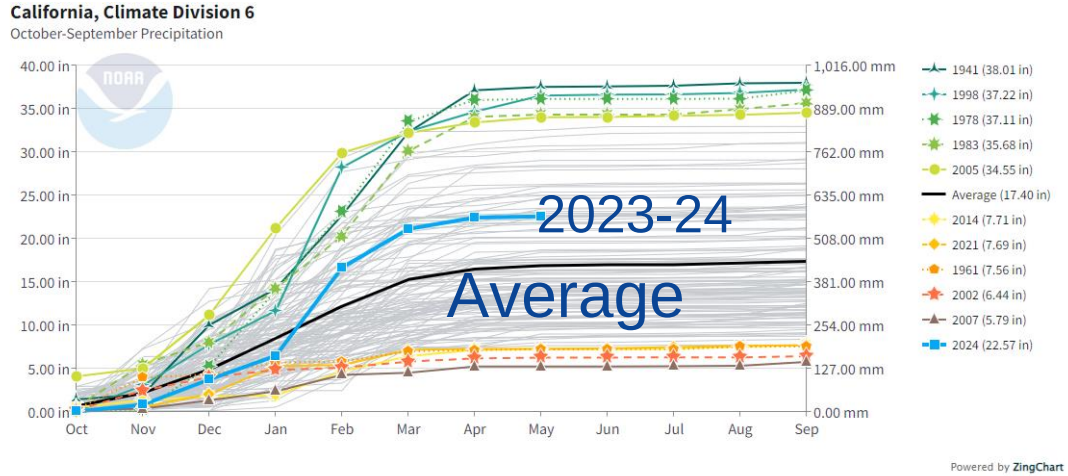



KNKX
VCP: 215
DBZ
80
70
60
50
40
30
20
10
CR
VT: 01:07:33 PM
PT: 01:13:32 PM
Next update: 03:11
Oceanside
Vista
Valley Center
Jesmond Dene
Mesa Grande
Carlsbad
Escondido
Julian
Leucadia
Del Dios
Encinitas
Ramona
San Diego Country Estates
Solana Beach
Fernbrook
Del Mar
Poway
KNKX
Santee
Descanso
Pine Valley
El Cajon
Ocotillo
La Presa
Live Oak Springs
National City
Chula Vista
Jacumba
Campo
Imperial Beach
Tecate

Mission Viejo

Michael Porter

Southern California climate precipitation



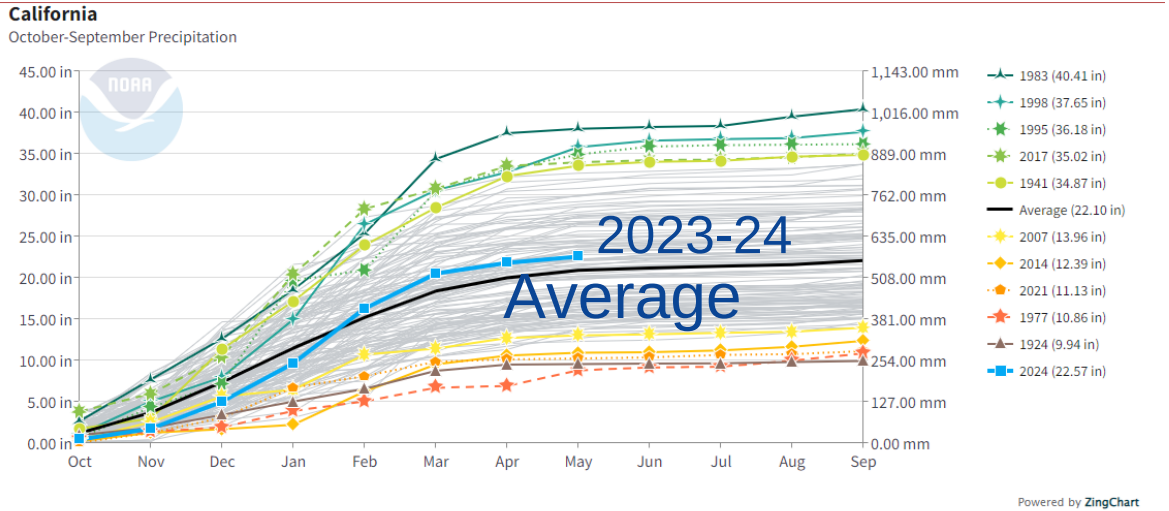
Display: All Periods | End Period **Download:** CSV JSON XML

California, Climate Division 6

October-September Precipitation

Period	Precipitation
October 2023-May 2024	22.57"
October 2022-September 2023	31.12"
October 2021-September 2022	12.20"

California precipitation



Display: All Periods | End Period **Download:** CSV JSON XML

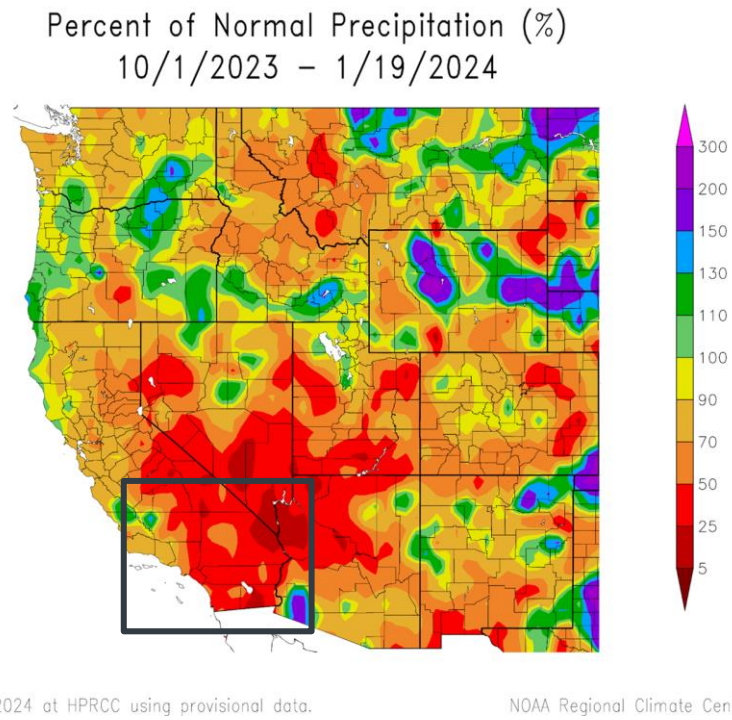
California

October-September Precipitation

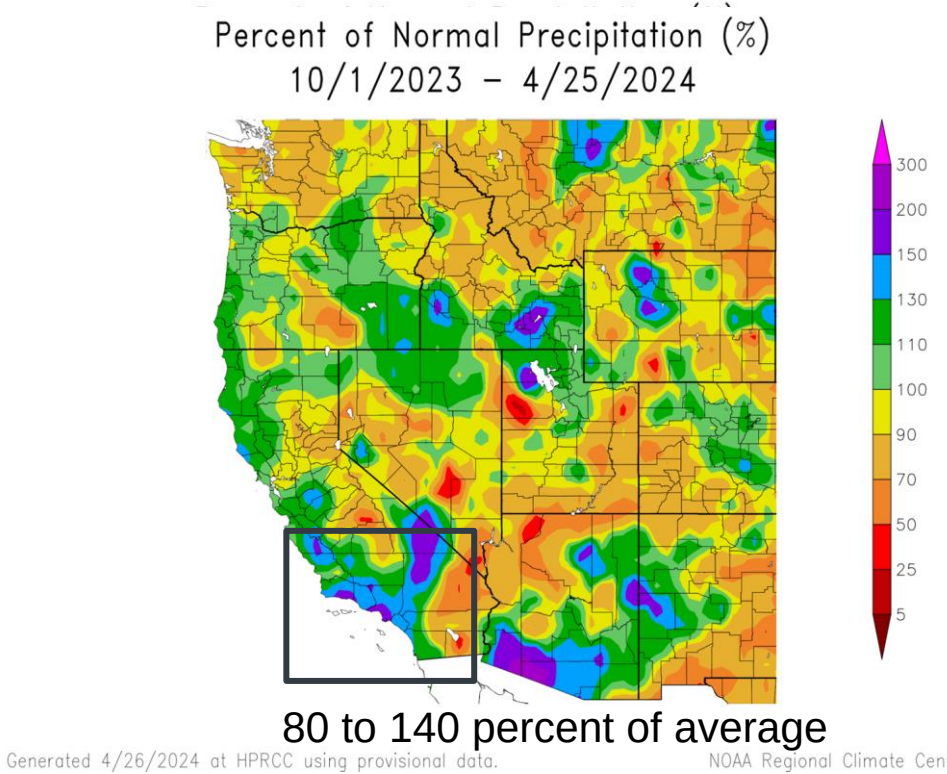
Period	Precipitation
October 2023-May 2024	22.57"
October 2022-September 2023	30.66"
October 2021-September 2022	16.42"

Water year started very slow (dry) then wet

Precipitation averages (percent)

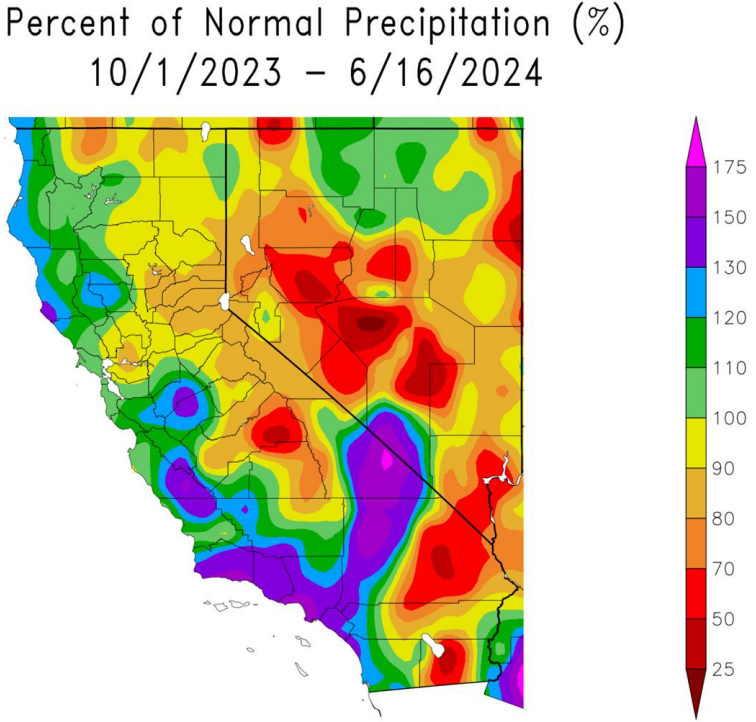


25 to 50 percent of average

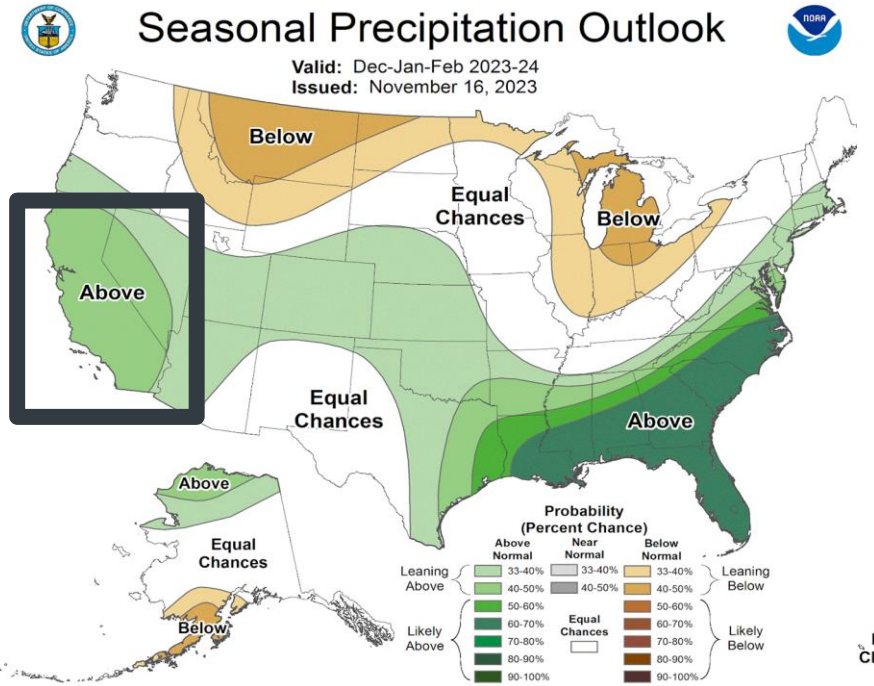


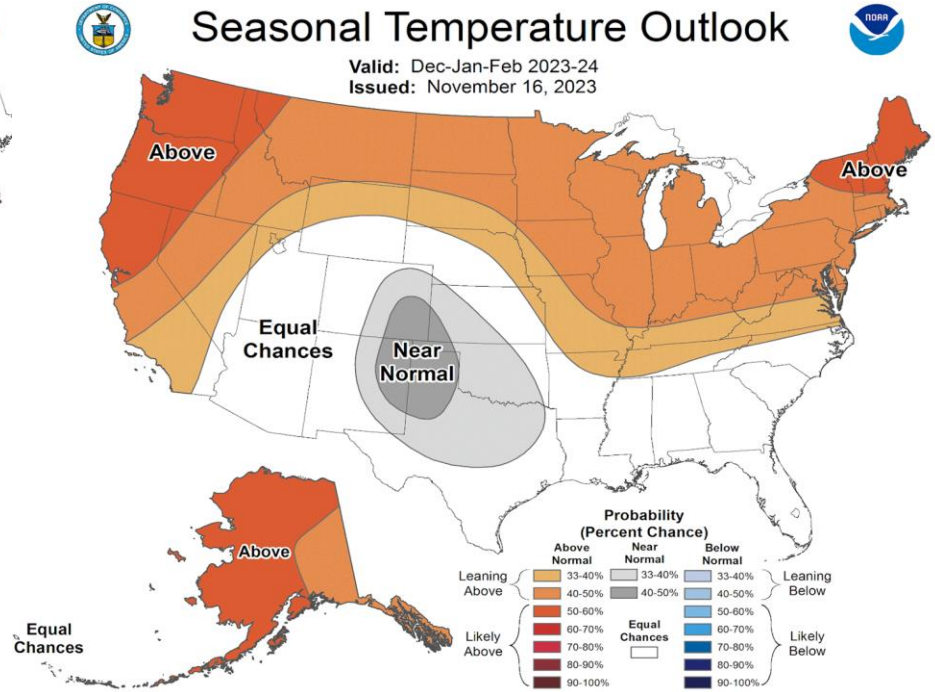
80 to 140 percent of average

California percent of average 2023-24

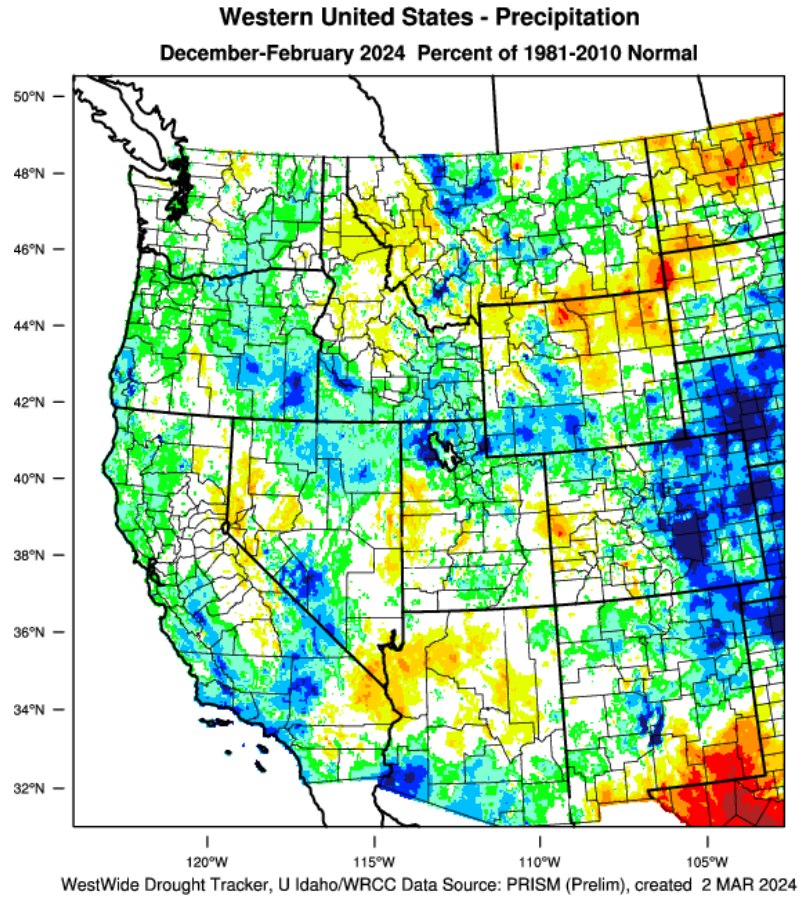


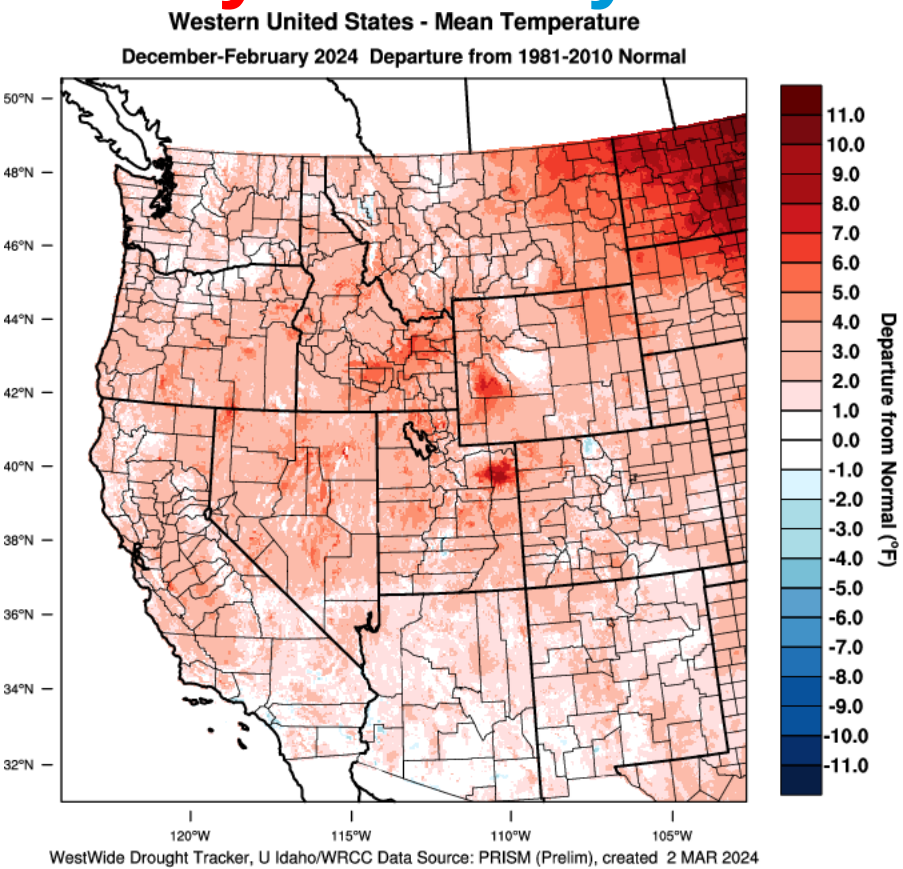
How was the forecast for 2023-24?
CPC outlook Winter - December to February 2023-24



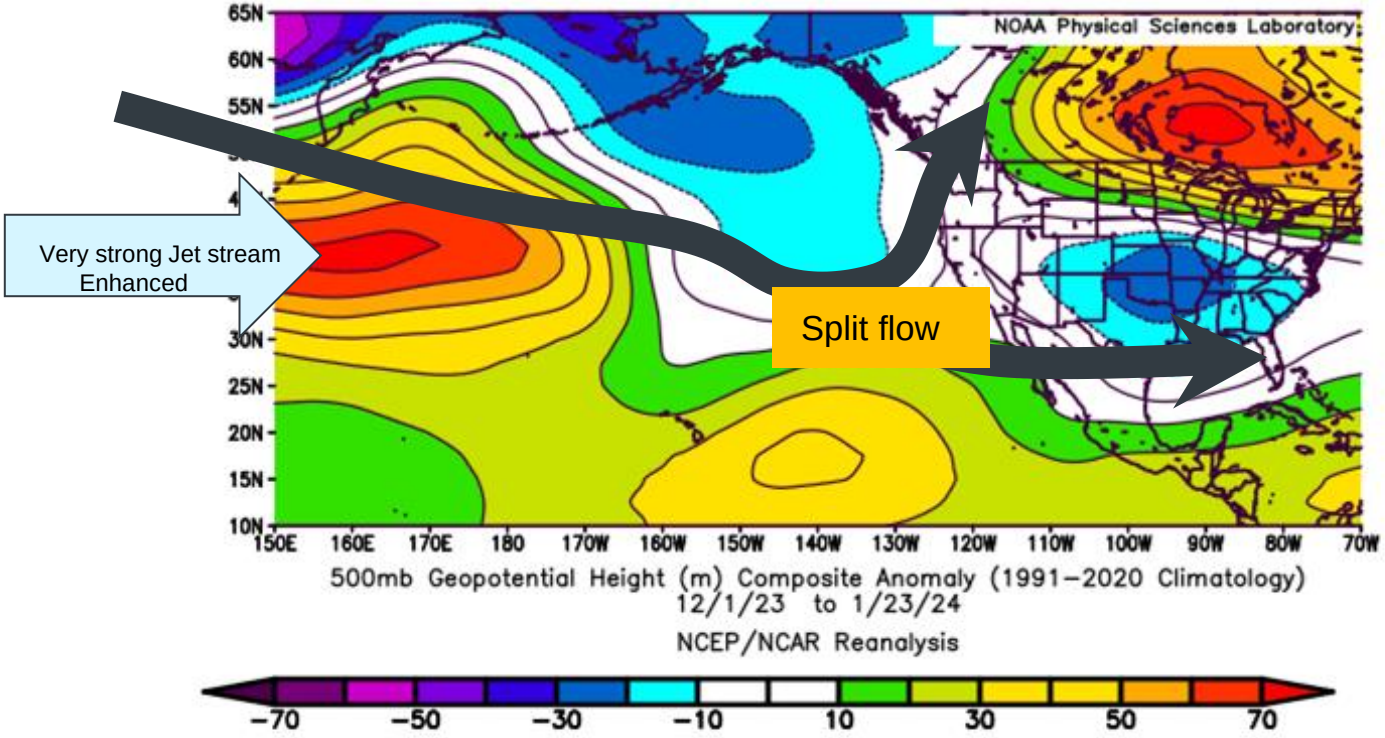


December to February anomaly

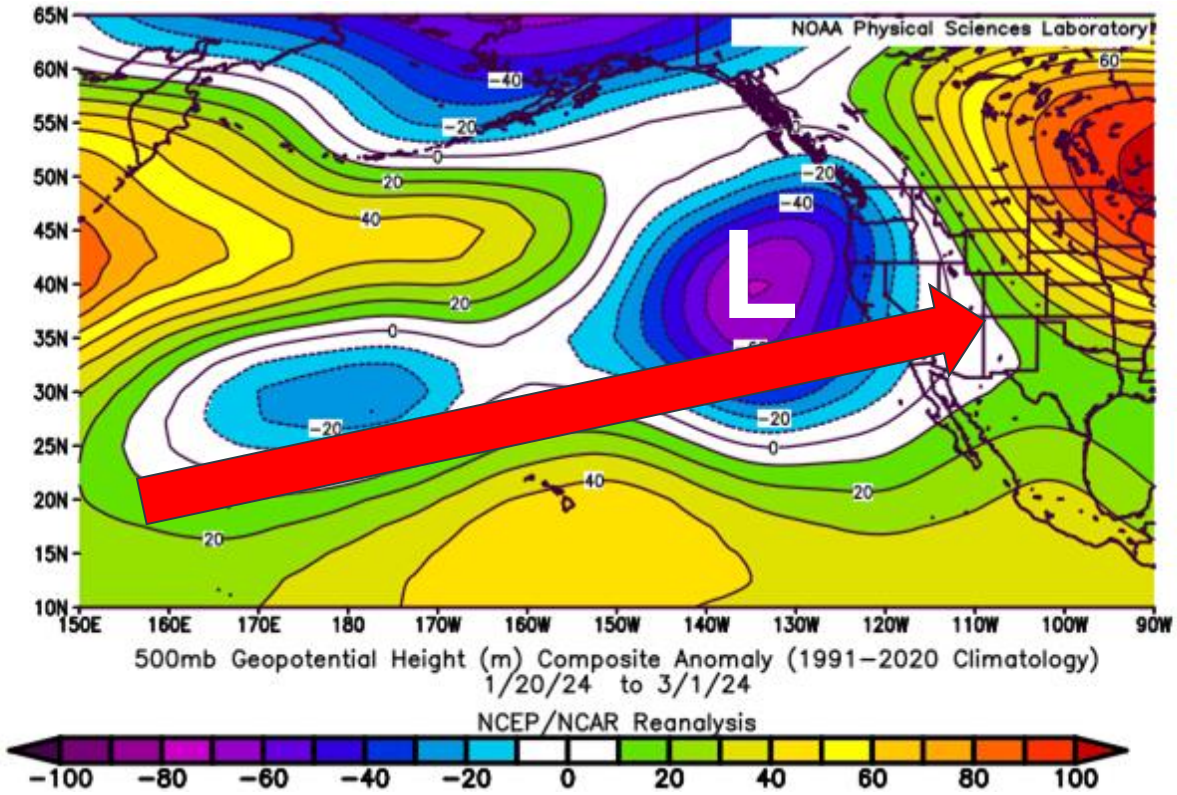




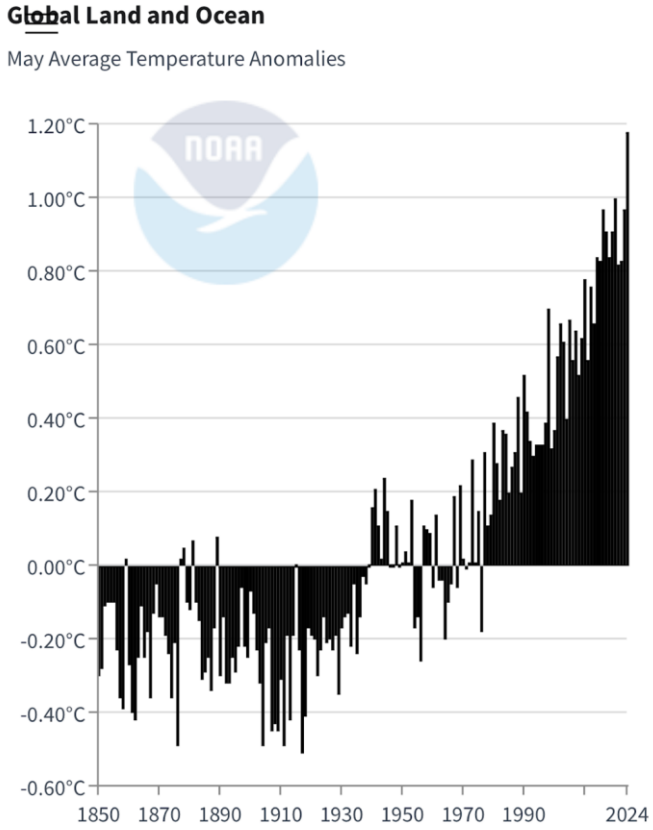
Weather pattern December 2023 to mid January 2024
Anomaly (different than average)



Late January through March 1



May 2024



Warmest on record

8:53

ncei.noaa.gov

Global Land and Ocean

May Average Temperature Anomalies (1901-2000 mean)

Date	Anomaly	Rank
May 2024	1.18°C	175
May 2020	1.00°C	174
May 2016	0.97°C	173
May 2023	0.97°C	173
May 2017	0.91°C	171
May 2019	0.91°C	171
May 2014	0.84°C	169
May 2018	0.84°C	169
May 2015	0.83°C	167

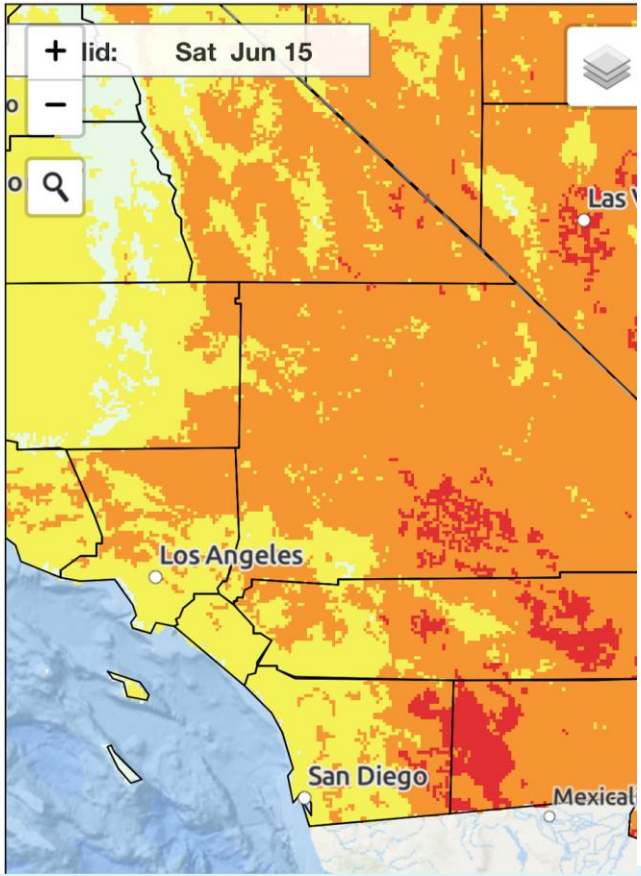
Heat Risk prediction https://www.wpc.ncep.noaa.gov/heatrisk/?wfo=sgx

wpc.ncep.noaa.gov

Category	Risk of Heat-Related Impacts
Green 0	Little to no risk from expected heat.
Yellow 1	Minor - This level of heat affects primarily those individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.
Orange 2	Moderate - This level of heat affects most individuals sensitive to heat, especially those without effective cooling and/or adequate hydration. Impacts possible in some health systems and in heat-sensitive industries.
Red 3	Major - This level of heat affects anyone without effective cooling and/or adequate hydration. Impacts likely in some health systems, heat-sensitive industries and infrastructure.
Magenta 4	Extreme - This level of rare and/or long-duration extreme heat with little to no overnight relief affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat-sensitive industries and infrastructure.

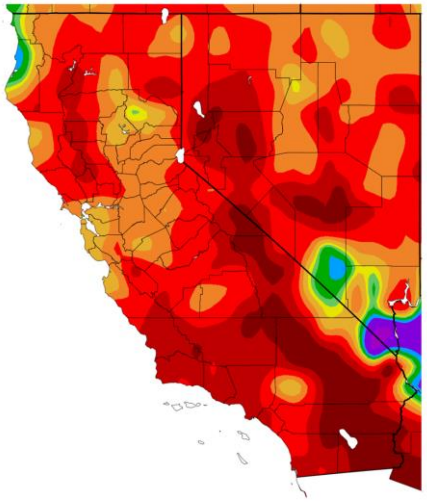
Comments? Questions? Please Contact Us.

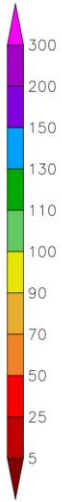
What's in



Last 60 days

Percent of Normal Precipitation (%)
4/18/2024 – 6/16/2024





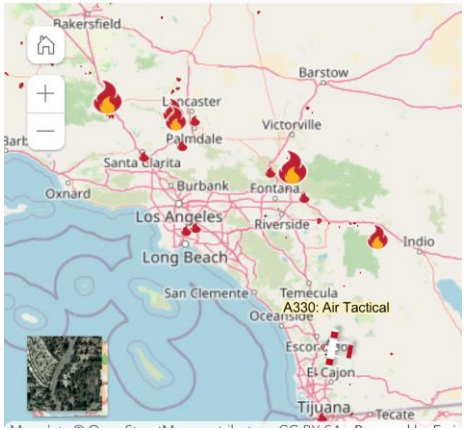
at HPRCC using provisional data.

NOAA Regional Climate Centers

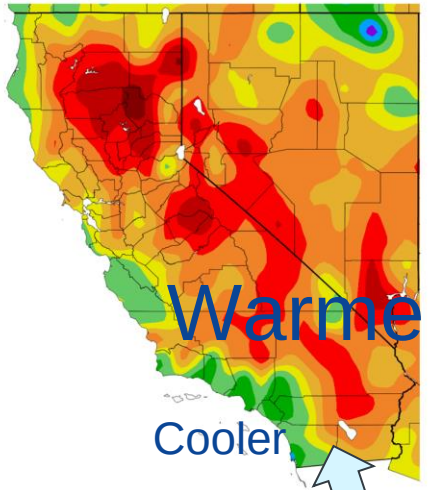
22

Structures:

9 Damaged / 13 Destroyed



Departure from Normal Temperature (F)
4/18/2024 – 6/16/2024



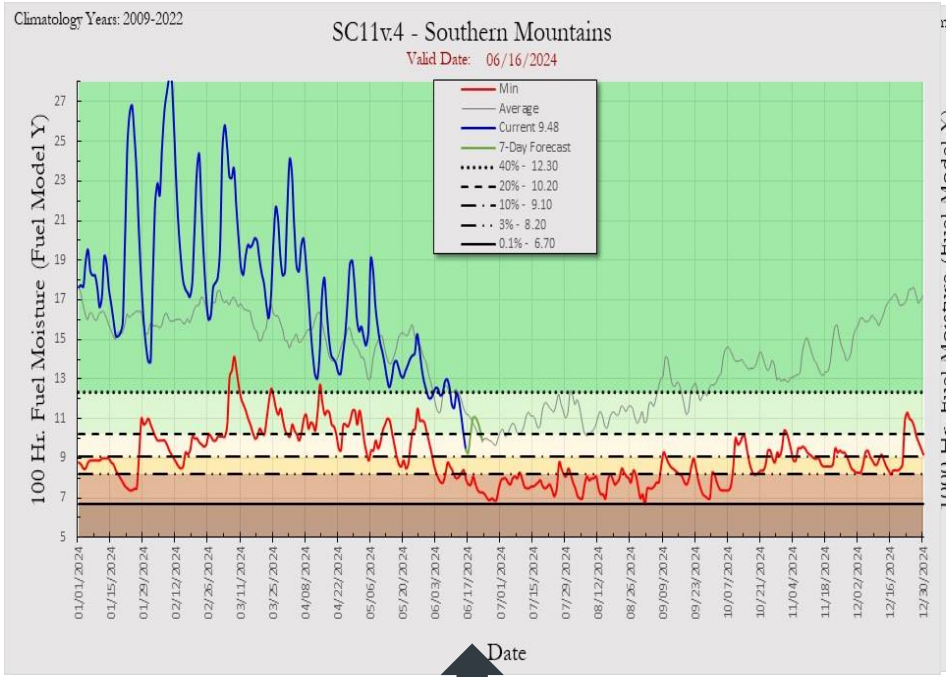
Warmer

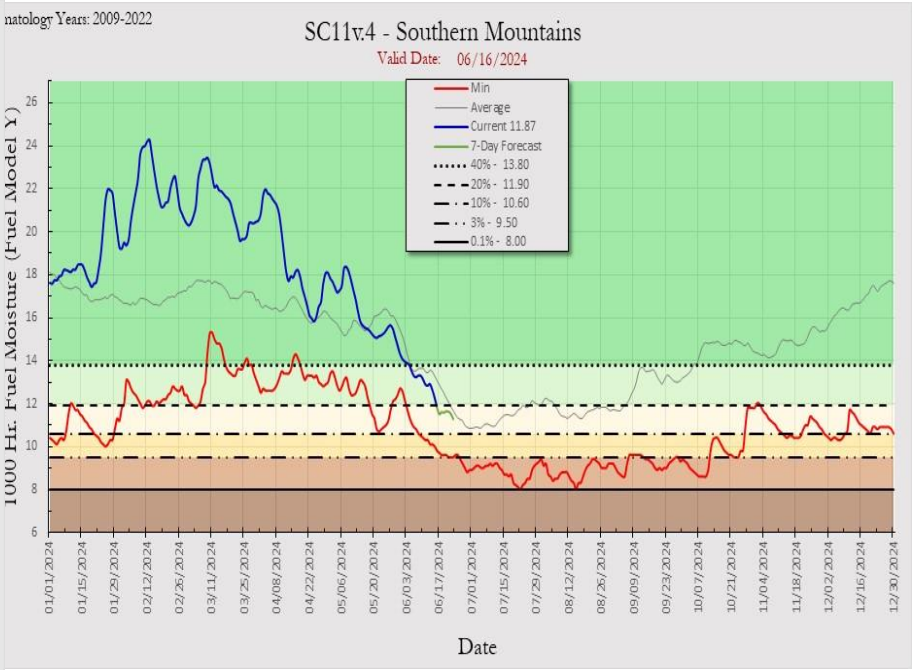
Cooler

Generated 6/17/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

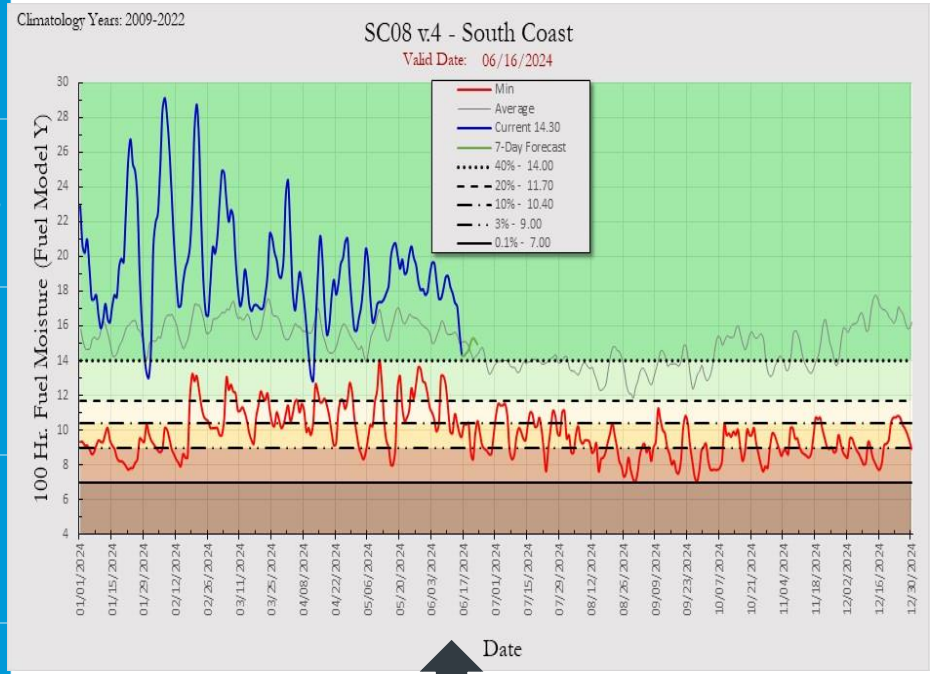
South Mountains Fuel moisture

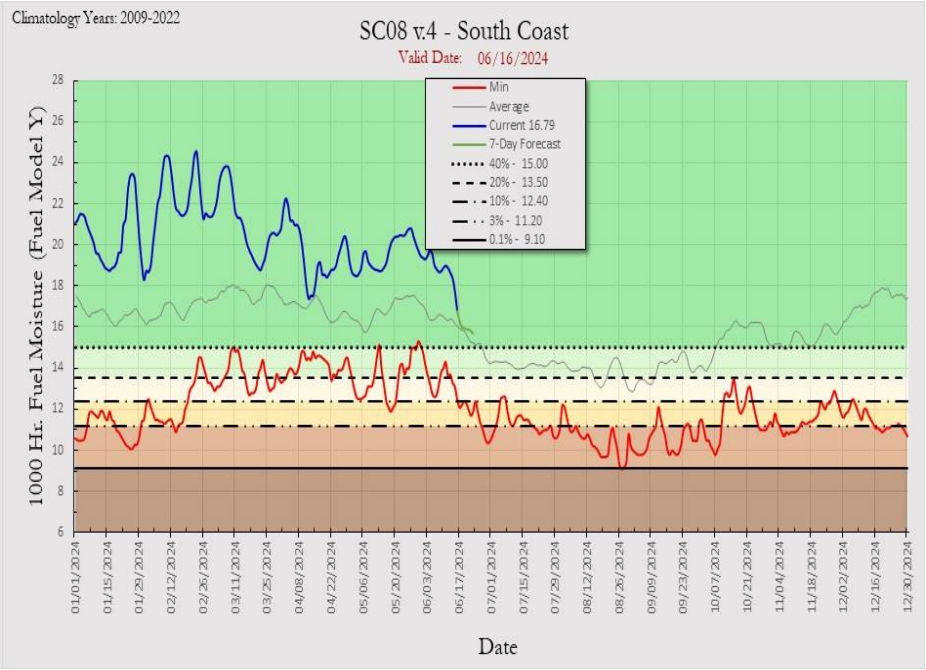




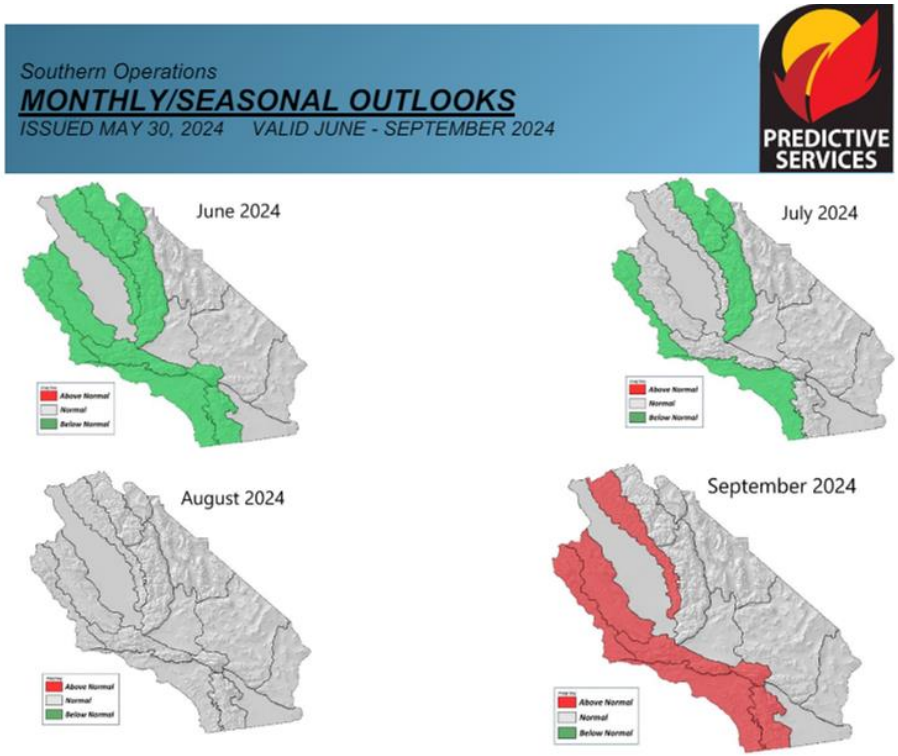
Rapid drying

South Coast fuel moisture



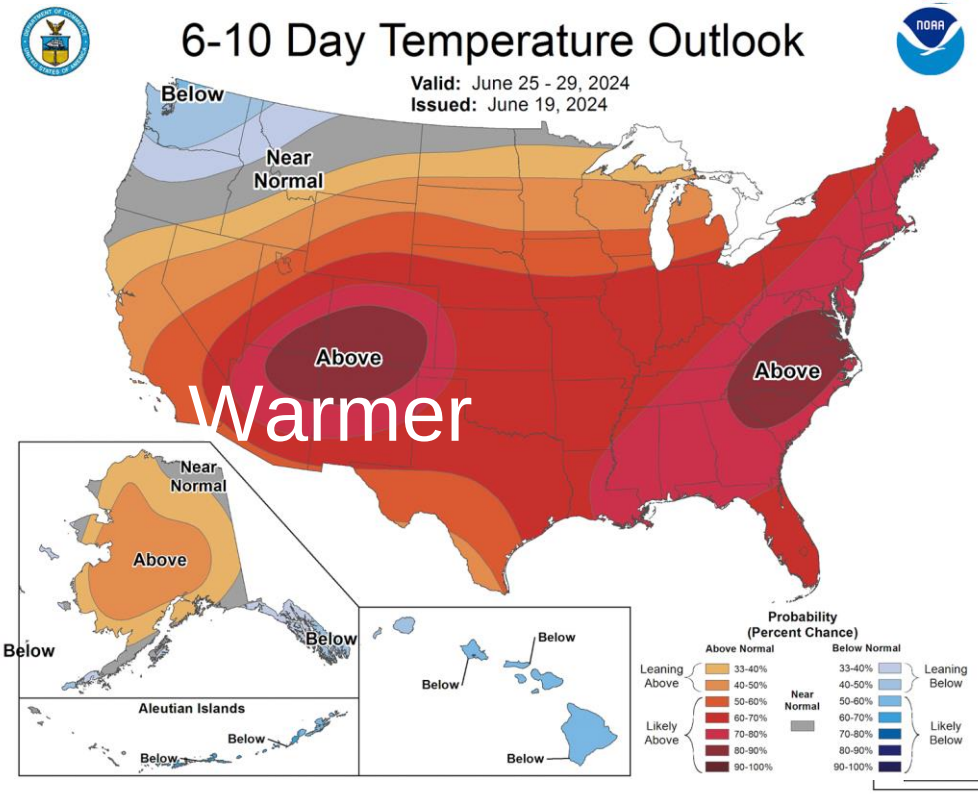


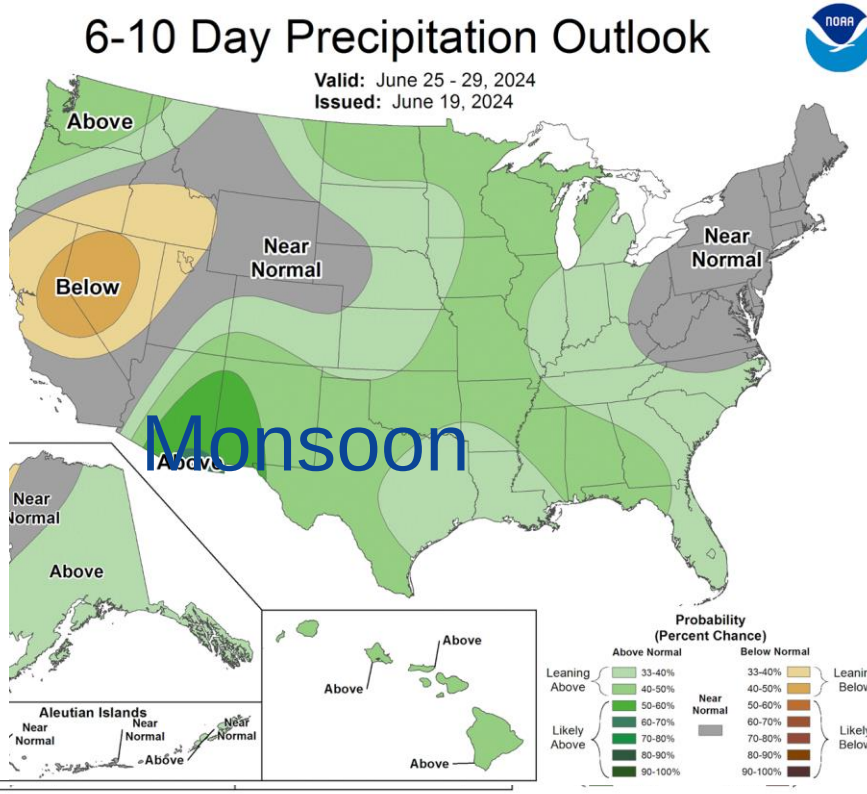
Wildfire potential outlooks



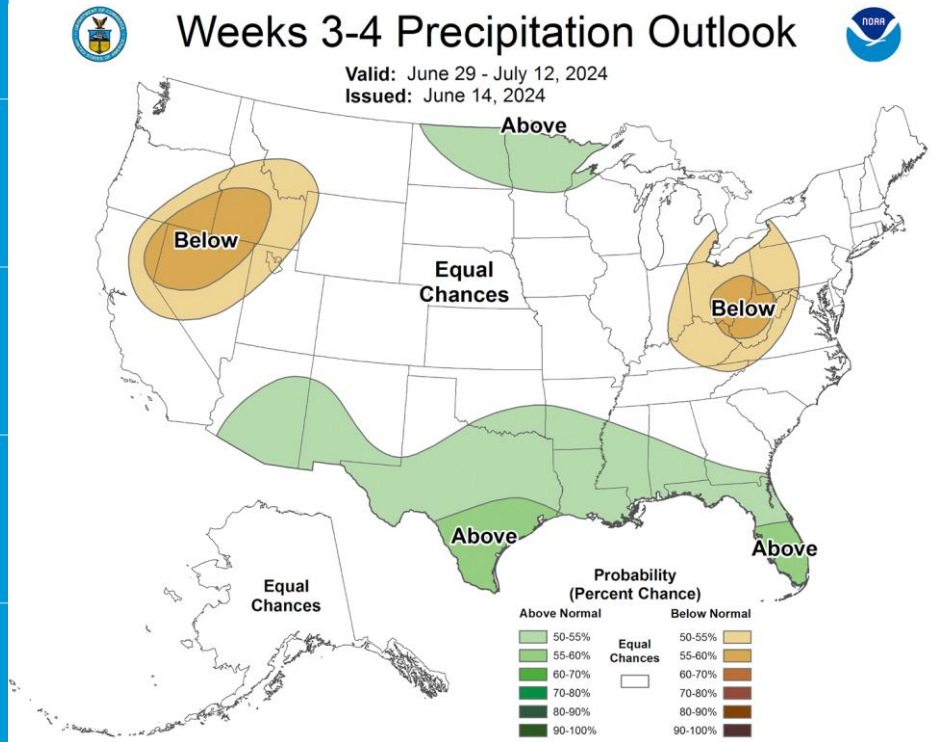
June– September 2024 South Ops Highlights

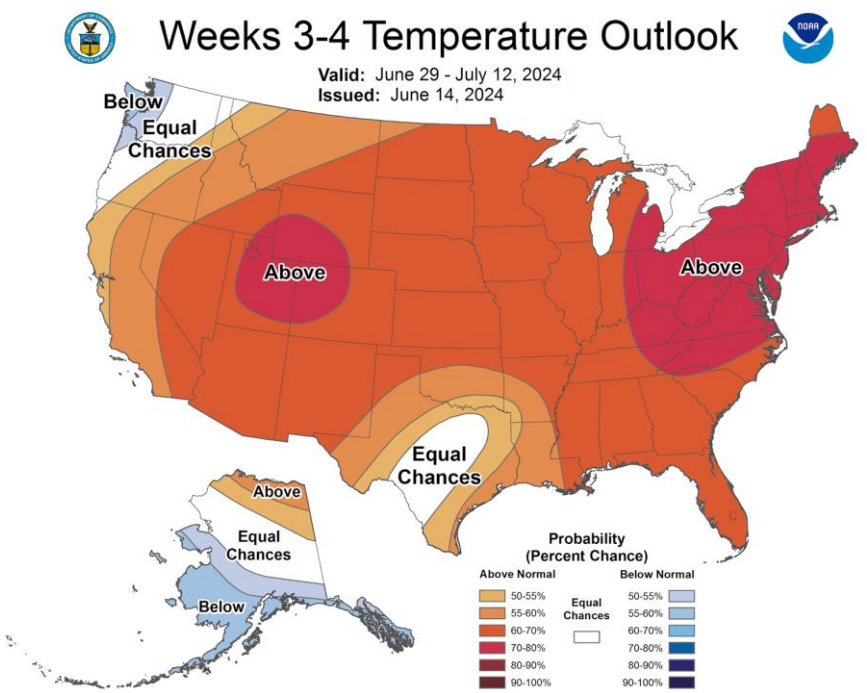
Late June outlook

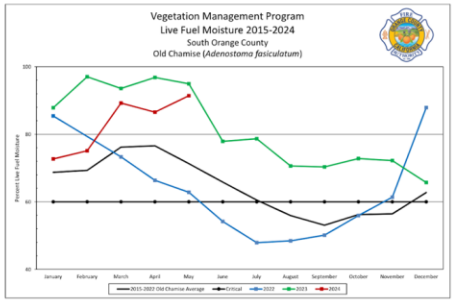


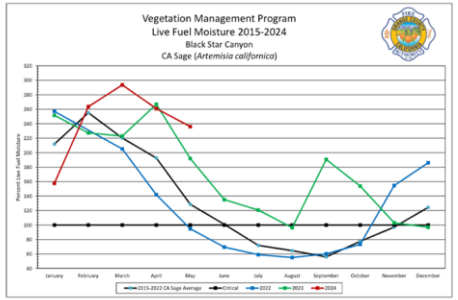


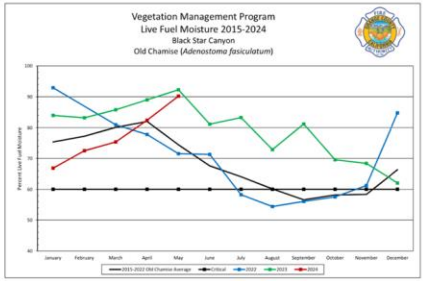
Warmer than average into early July 2024






Vegetation Management Program
Live Fuel Moisture 2015-2024
South Orange County
Old Chamise (Adenostoma fasiculatum)


Vegetation Management Program
Live Fuel Moisture 2015-2024
Black Star Canyon
CA Sage (Artemisia californica)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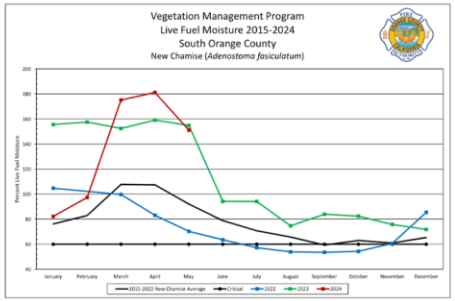
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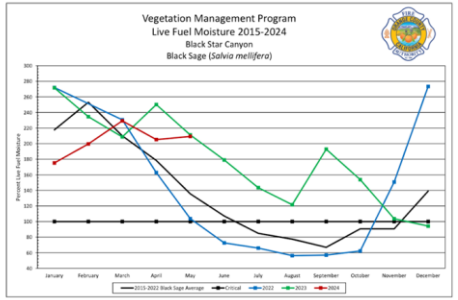
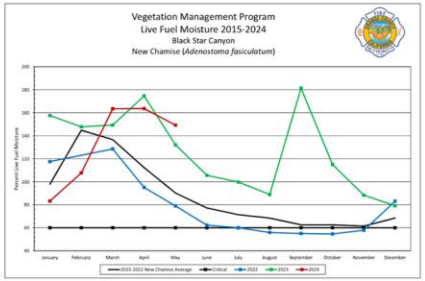

Vegetation Management Program
Live Fuel Moisture 2015-2024
Black Star Canyon
Black Sage (Salvia mellifera)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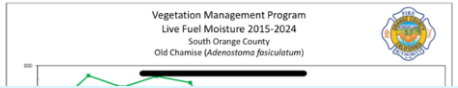
Vegetation Management Program
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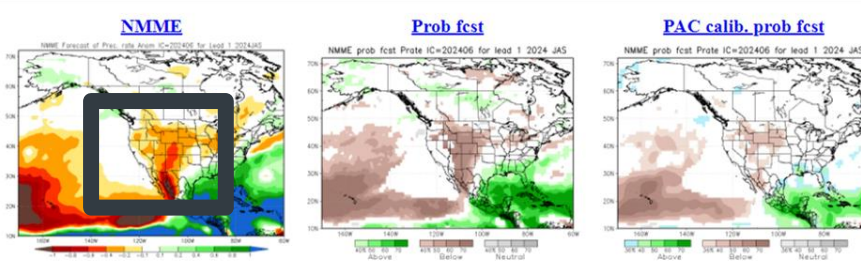
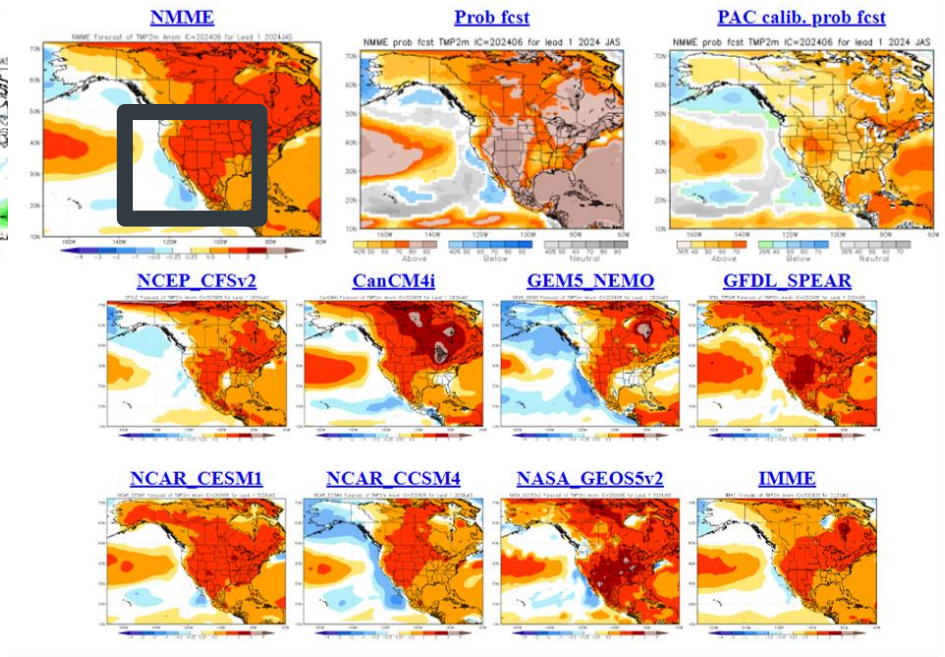
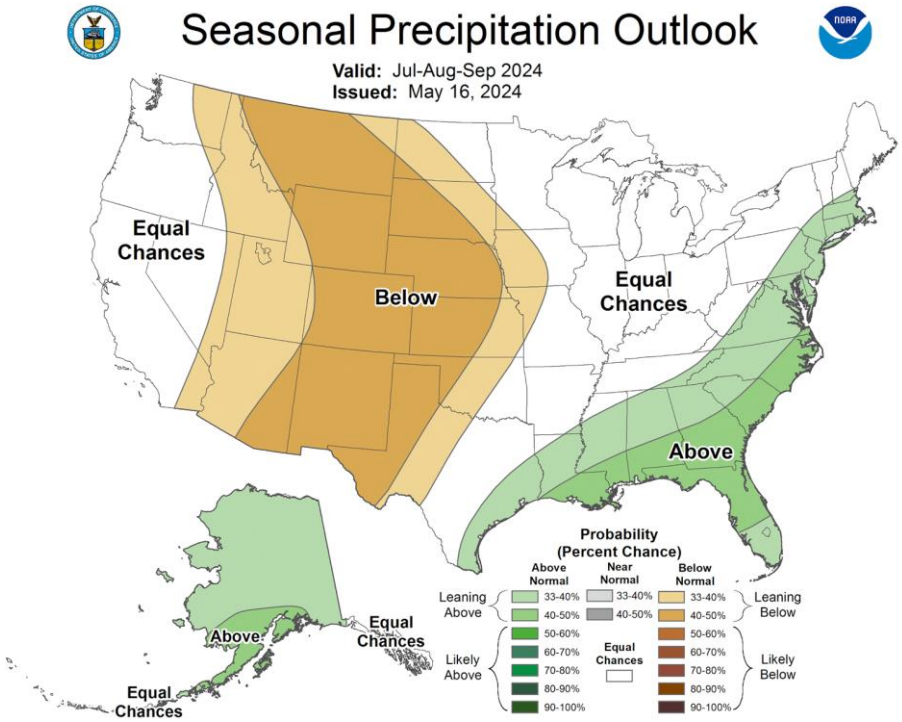
July to September 2024

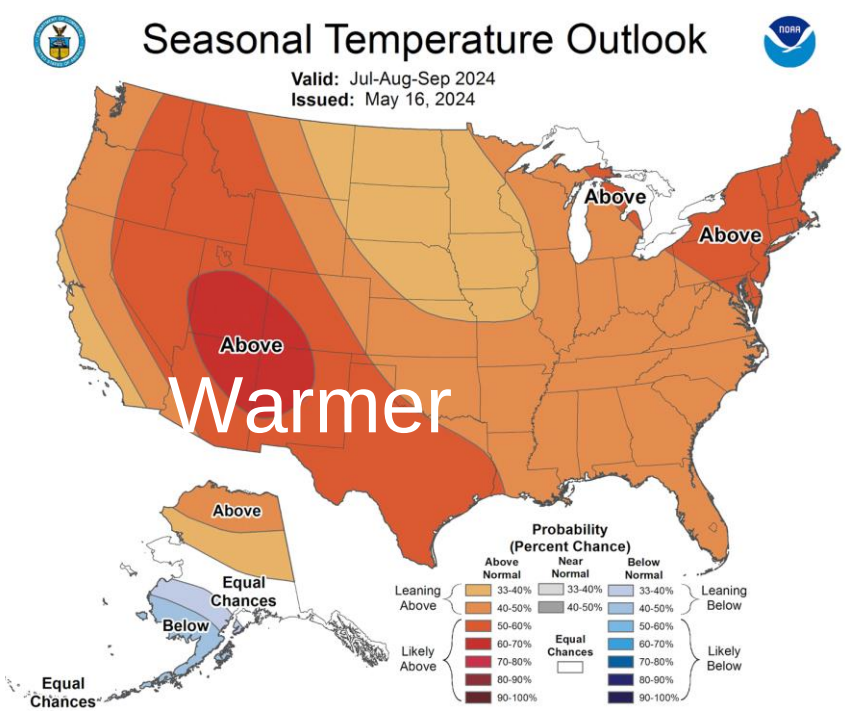




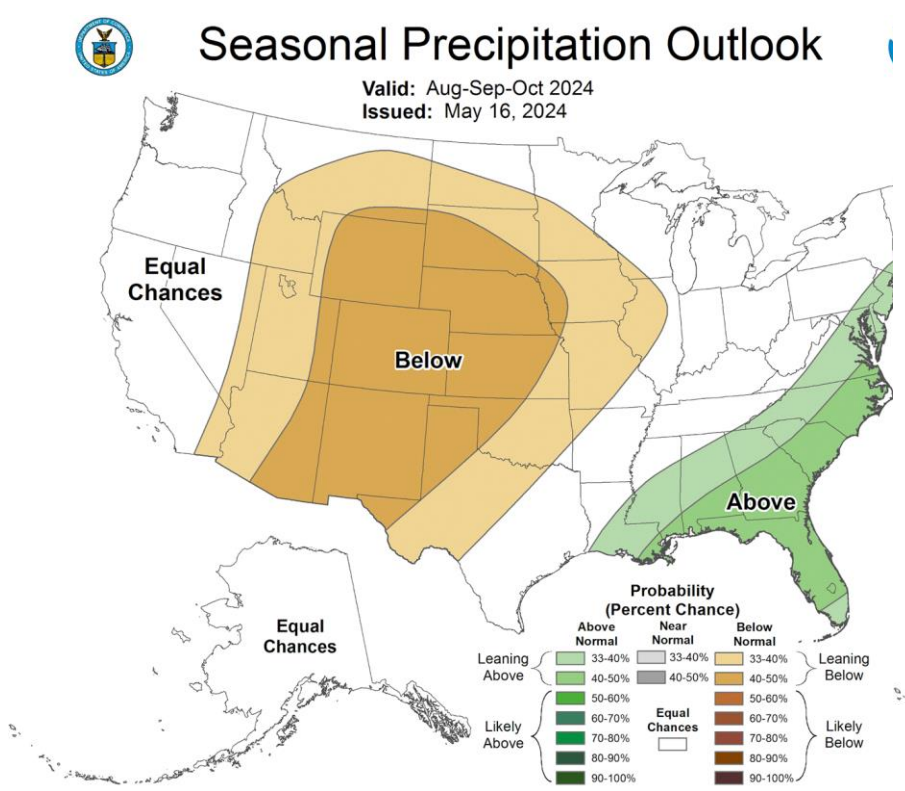
Less monsoon (drier) and warmer than averages (more heat waves)

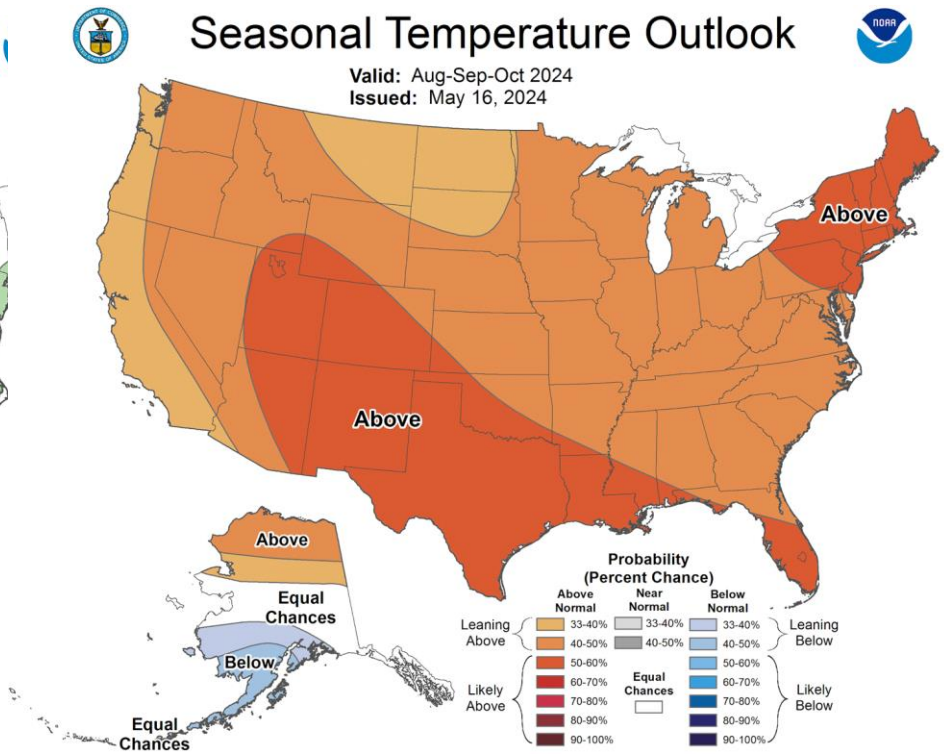
Outlook for July to September - summer





Outlook for August to October





Heat Risk

https://www.wpc.ncep.noaa.gov/heatrisk/ or Forecasts→Experimental HeatRisk

NWS HeatRisk

Identifying Potential Heat Risks in the Seven Day Forecast

Mon 6/3	Tue 6/4	Wed 6/5	Thu 6/6	Fri 6/7	Sat 6/8	Sun 6/9

Click map for potential heat risks and NWS forecast for a location.

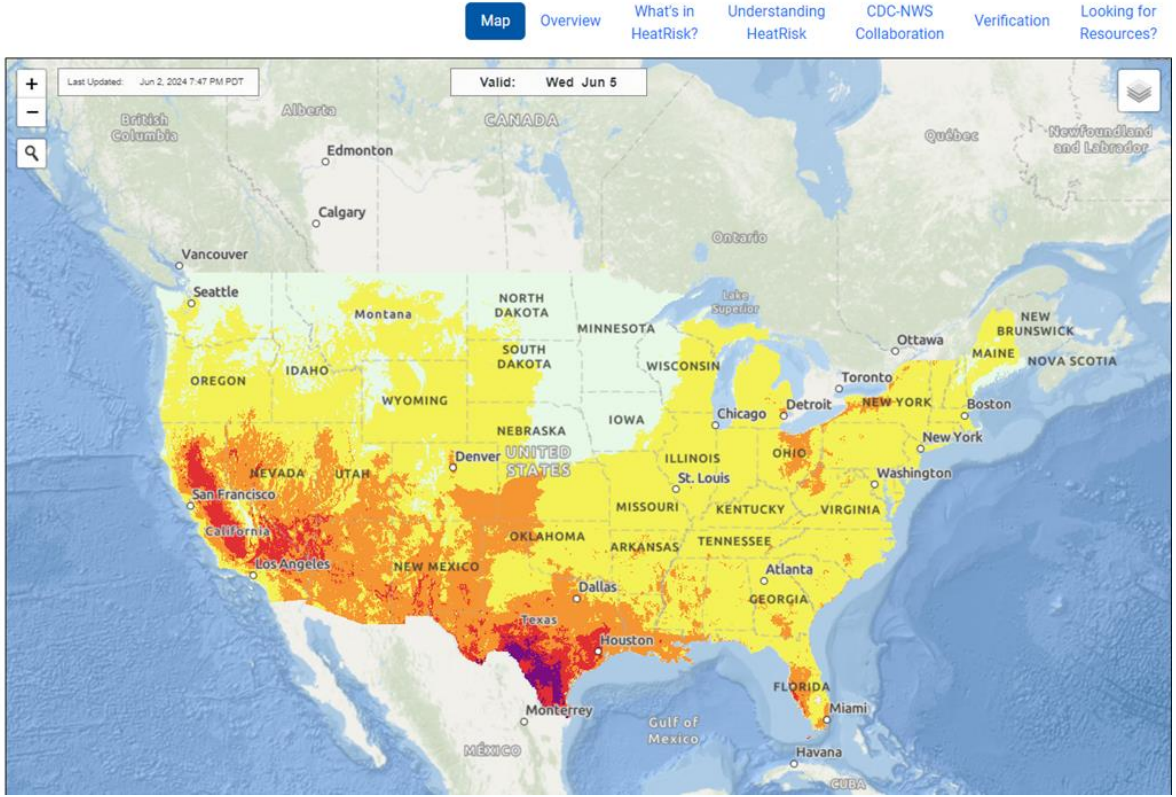
The NWS HeatRisk is an experimental color-numeric-based index that provides a forecast risk of heat-related impacts to occur over a 24-hour period. HeatRisk takes into consideration:

- How unusual the heat is for the time of the year
- The duration of the heat including both daytime and nighttime temperatures
- If those temperatures pose an elevated risk of heat-related impacts based on data from the CDC

This index is supplementary to official NWS heat products and is meant to provide risk guidance for those decision makers and heat-sensitive populations who need to take actions at levels that may be below current NWS heat product levels.

Category	Risk of Heat-Related Impacts
Green 0	Little to no risk from expected heat.
Yellow 1	Minor - This level of heat affects primarily those individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.
Orange 2	Moderate - This level of heat affects most individuals sensitive to heat, especially those without effective cooling and/or adequate hydration. Impacts possible in some health systems and in heat-sensitive industries.
Red 3	Major - This level of heat affects anyone without effective cooling and/or adequate hydration. Impacts likely in some health systems, heat-sensitive industries and infrastructure.
Magenta 4	Extreme - This level of rare and/or long-duration extreme heat with little to no overnight relief affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat-sensitive industries and infrastructure.

Comments? Questions? Please Contact Us.



Your HeatRisk

NWS HeatRisk

Identifying Potential Heat Risks in the Seven Day Forecast

Mon 6/17	Tue 6/18	Wed 6/19	Thu 6/20	Fri 6/21	Sat 6/22	Sun 6/23

Click map for potential heat risks and NWS forecast for a location.

The NWS HeatRisk is an experimental color-numeric-based index that provides a forecast risk of heat-related impacts to occur over a 24-hour period. HeatRisk takes into consideration:

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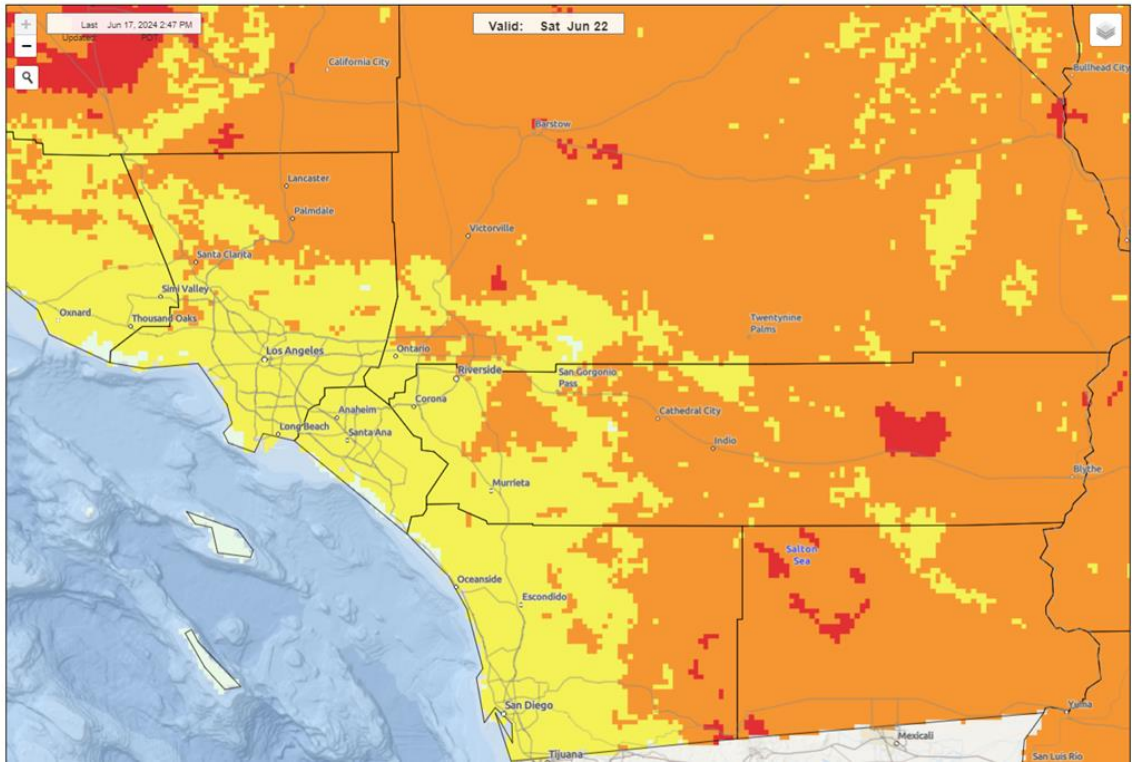
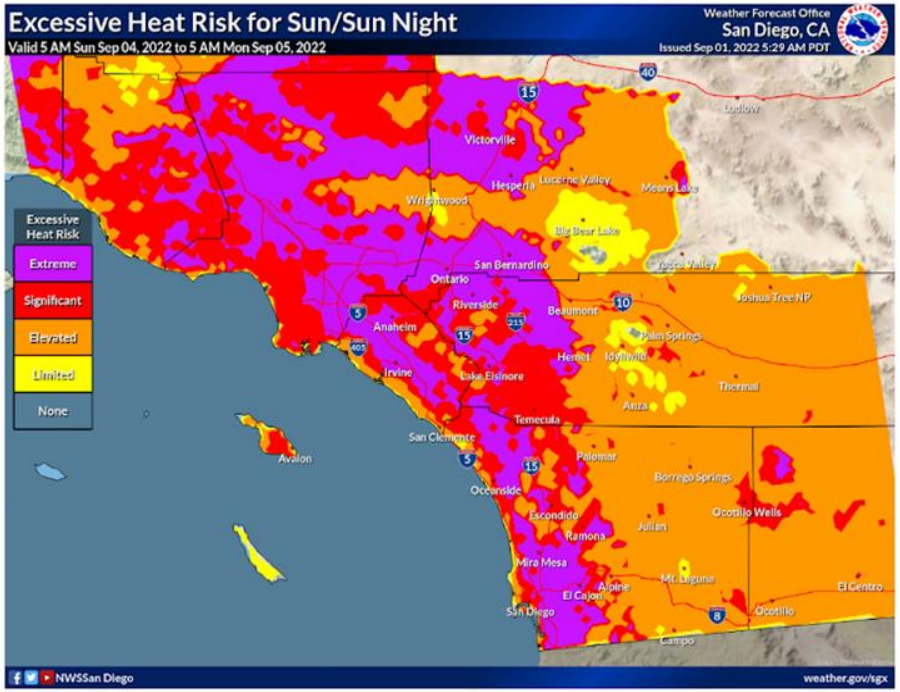
Comments? Questions? Please Contact Us.

Map | Overview | What's in HeatRisk? | Understanding HeatRisk | CDC-NWS Collaboration | Verification | Looking for Resources?



Graphical Hazard Weather Outlook (GHWO)

Heat Risk - "Extreme" (The Color Purple)



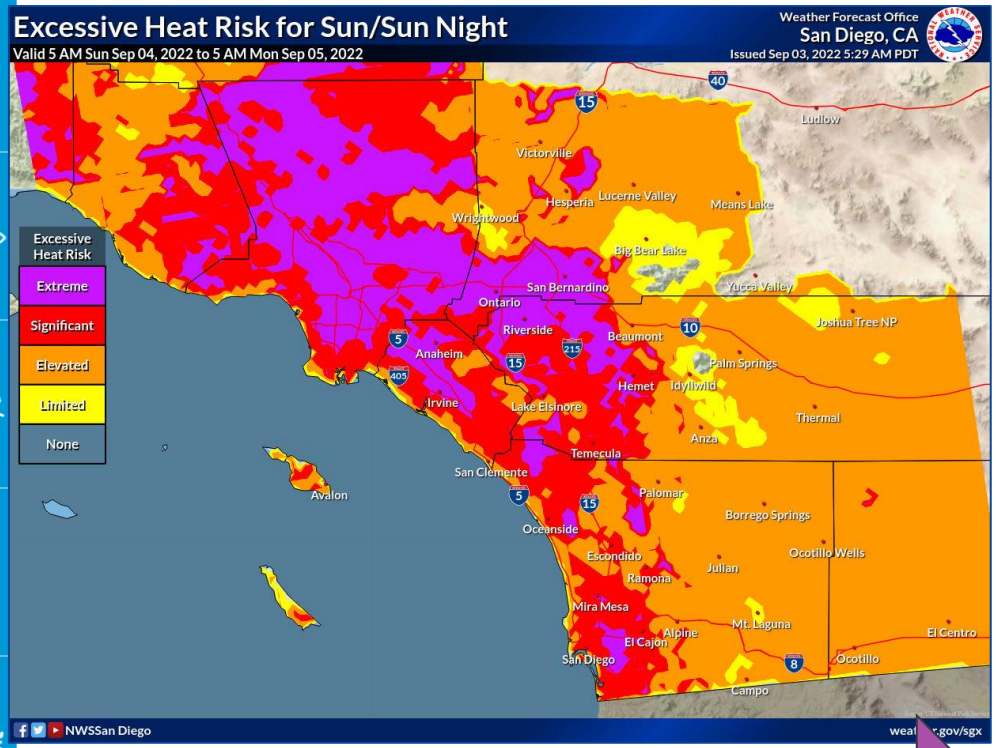
Public | Marine

24 Hr Hazard Risks	Today	Fri	Sat	Sun	Mon	Tue	Wed
Severe Thunderstorm							
Tornado							
Thunderstorm Wind							
Hail							
Lightning							
Excessive Rainfall							
Excessive Heat							
Wind							
Frost/Freeze							
Fog							
Fire Weather							
Blowing Dust							

https://www.weather.gov/erh/ghwo?wfo=sgx

Daily briefings - Messaging risk “Extreme” (Purple)

Graphical Heat Risk outlook on weather.gov



Daily email Briefing

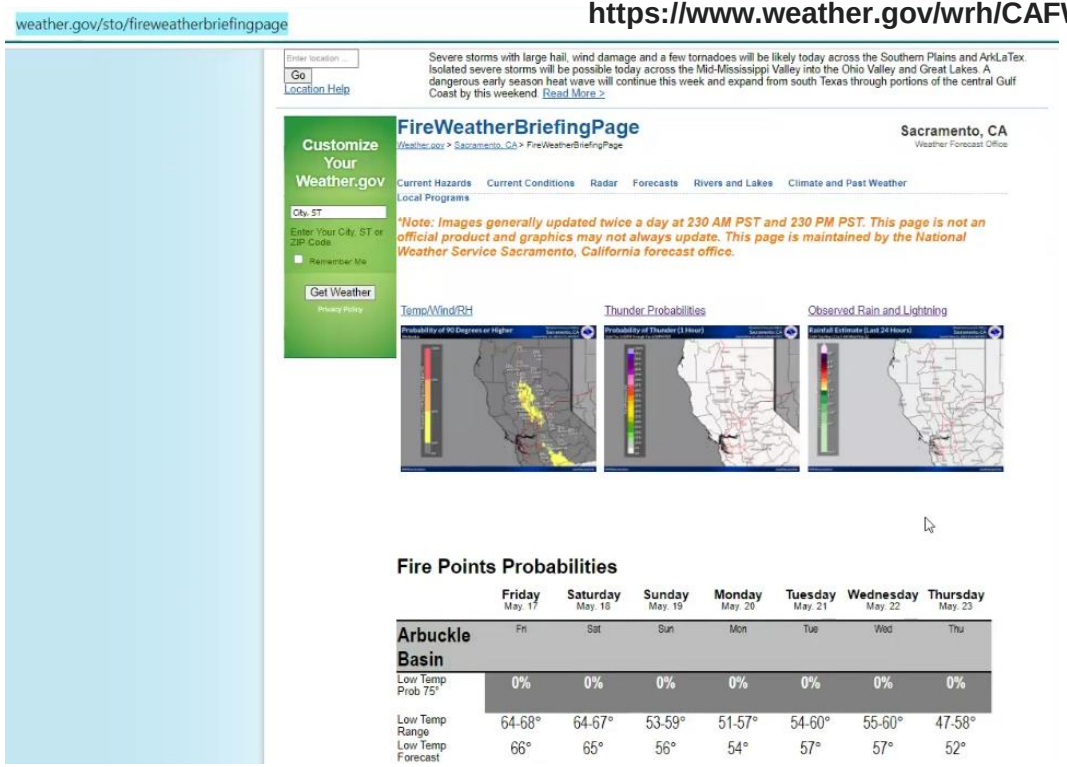
Out to 60 NM							
Orange/San Diego Beaches Including surf	Heat Rip Currents Iso Thunderstorms	Heat Rip Currents	Heat Rip Currents	Heat	Heat		
San Diego Coast San Diego, Oceanside	Heat Iso Thunderstorms	Heat	Heat	Heat	Heat		
San Diego Valleys Alpine, Escondido, Ramona	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	
San Diego County Mtns Mt Laguna, Julian, Palomar Mt	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather Iso Thunderstorms	Heat Thunderstorms Fire Weather	Heat Thunderstorms Fire Weather	Heat Thunderstorms Fire Weather	Thunderstorms
San Diego Deserts Anza Borrego, Ocotillo Wells	Heat Iso Thunderstorms	Heat	Heat	Heat	Heat	Heat	
Orange County Coast Laguna Beach, Huntington Beach	Heat Iso Thunderstorms	Heat	Heat	Heat	Heat		
Orange County Inland Anaheim, Irvine	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	
Santa Ana Mountains Silverado, Santiago Peak	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	
Inland Empire Ontario, Riverside	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather Iso Thunderstorms	Heat Fire Weather	Heat Fire Weather	Heat Fire Weather	
Riverside County Mtns Mt San Jacinto,	Heat Fire Weather Iso Thunderstorms	Heat Thunderstorms Fire Weather	Heat Thunderstorms Fire Weather	Heat Thunderstorms Fire Weather	Heat Thunderstorms Fire Weather	Heat Thunderstorms Fire Weather	Thunderstorms

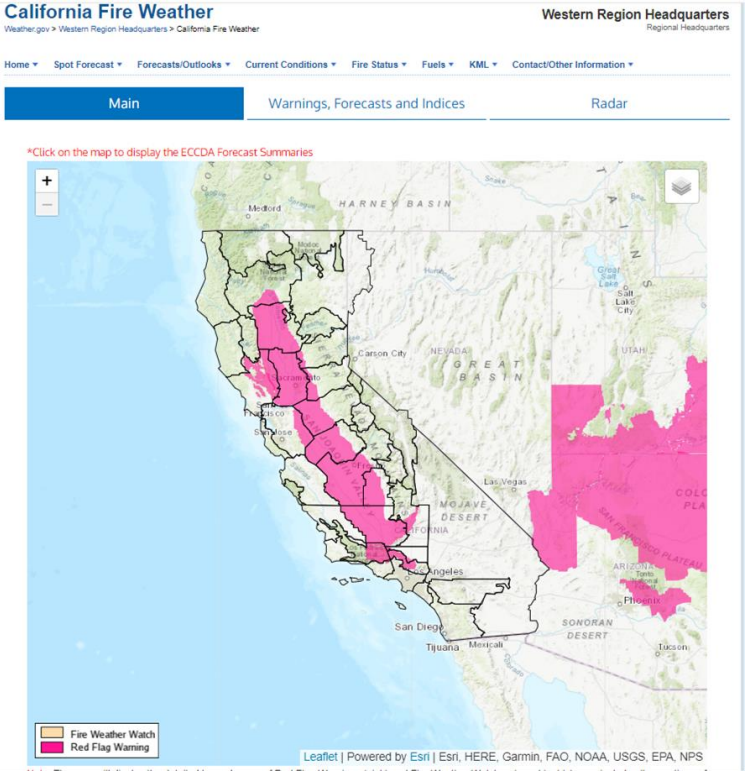
Get added?

email : Alexander.Tardy@noaa.gov

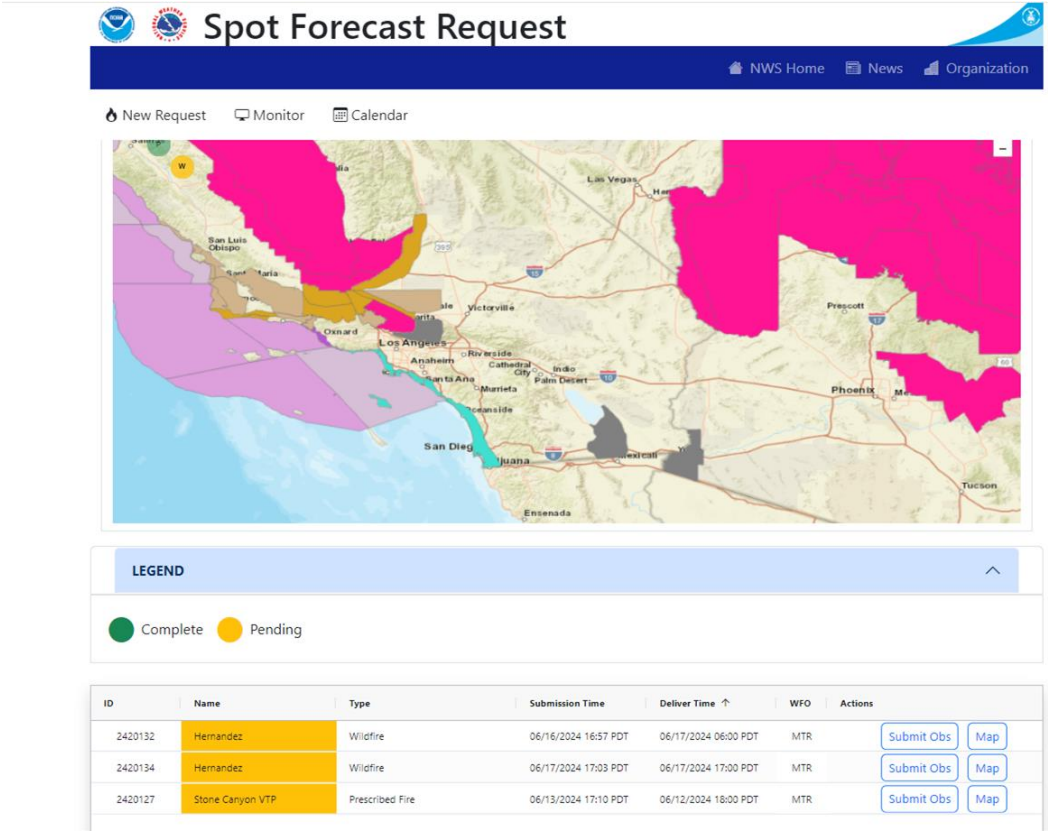
California fire weather page
weather.gov/sto/fireweatherbriefingpage

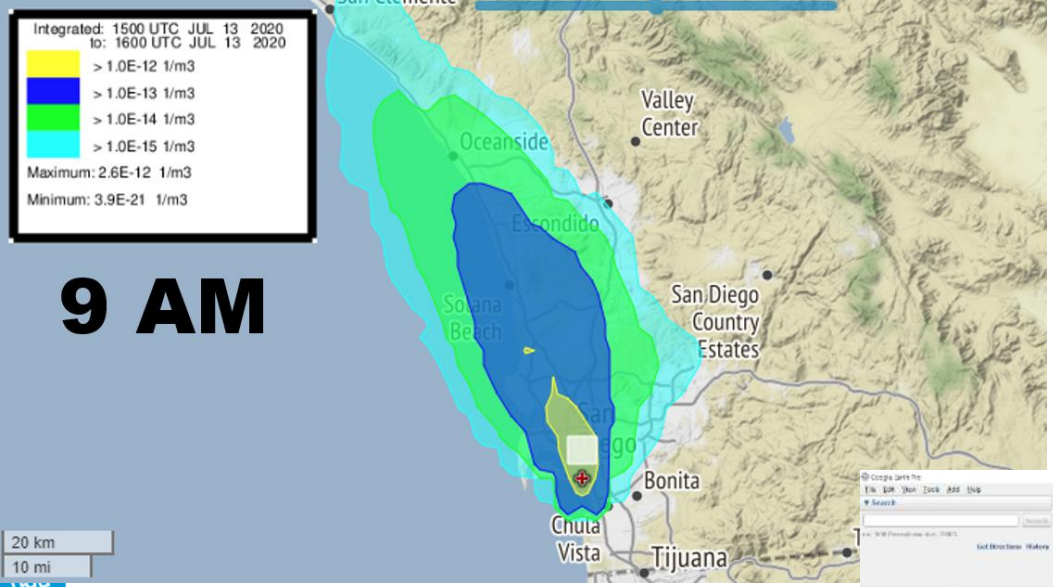
https://www.weather.gov/wrh/CAFW

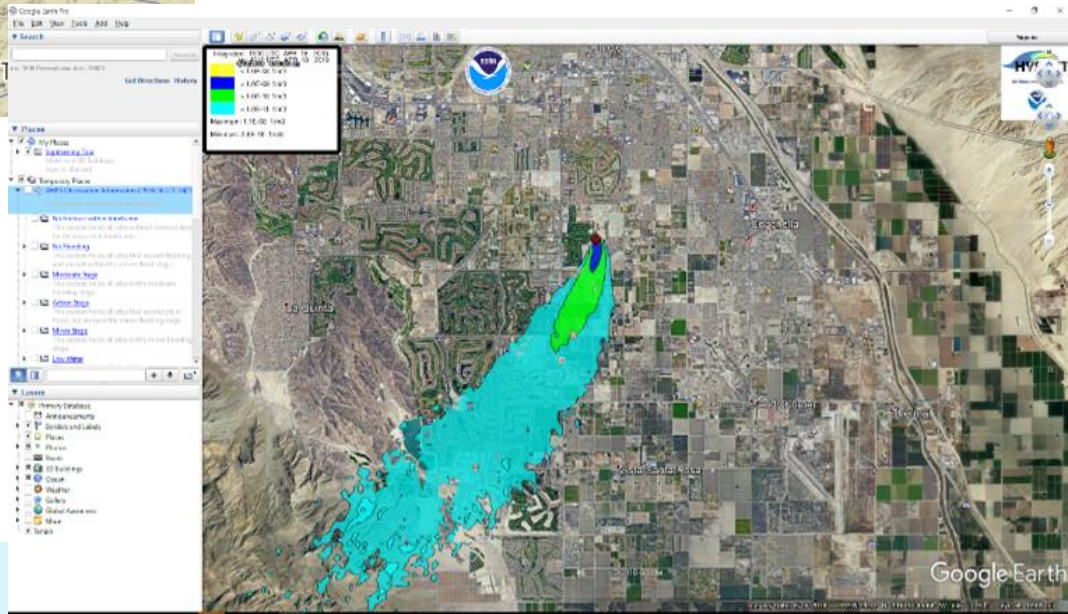




New Fire Weather Spot Request and Monitor Page
spot.weather.gov (Coming June 25, 2024)

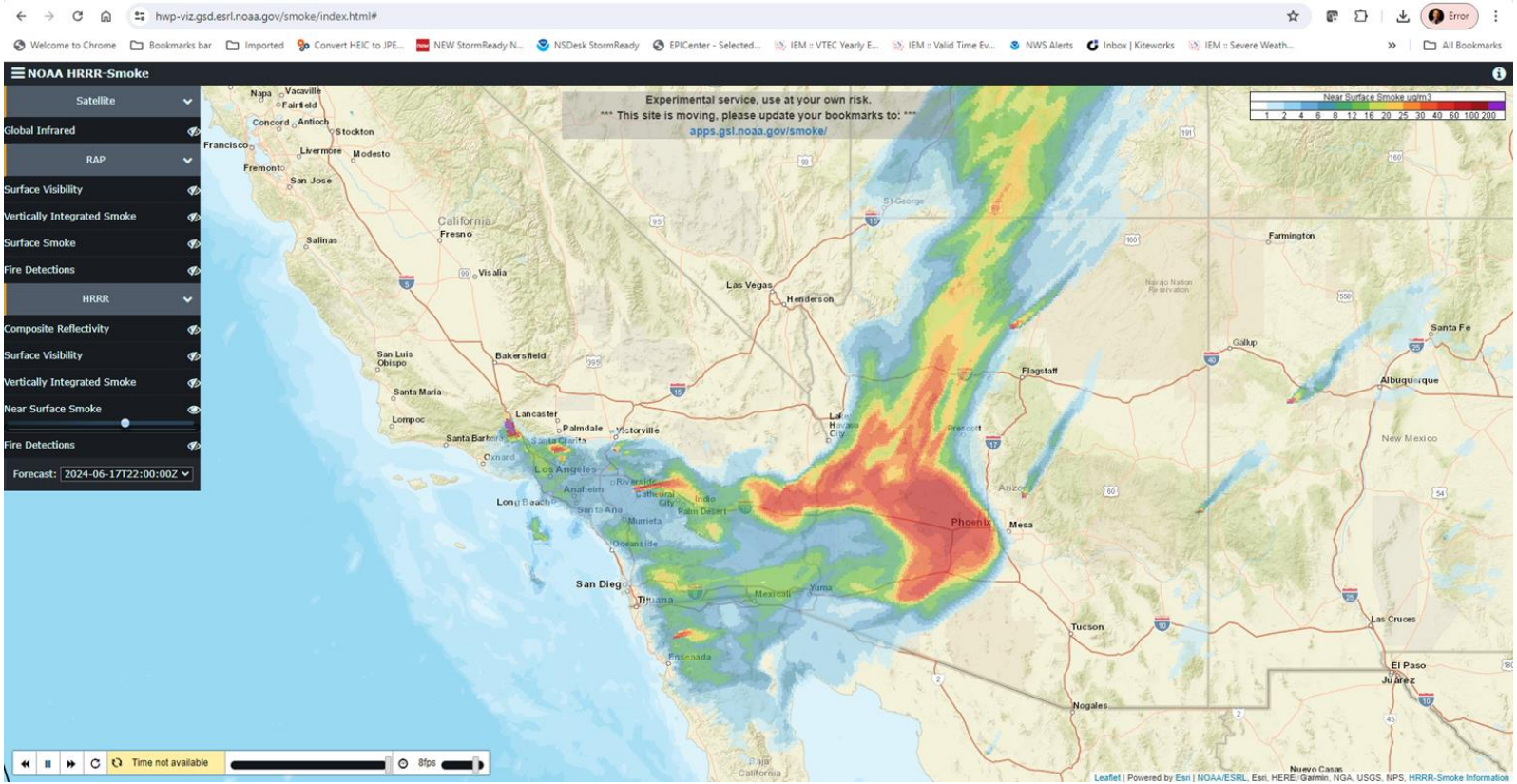






US Navy ship fire in July 2020

Model (HRRR) smoke dispersion



GOES-18 is now GOES WEST!

23,000 miles high in space

National Environmental Satellite, Data, and Information Service
DEPARTMENT OF COMMERCE

Search NESDIS

Imagery | Our Satellites | Data, Research, & Services | Our Environment | About

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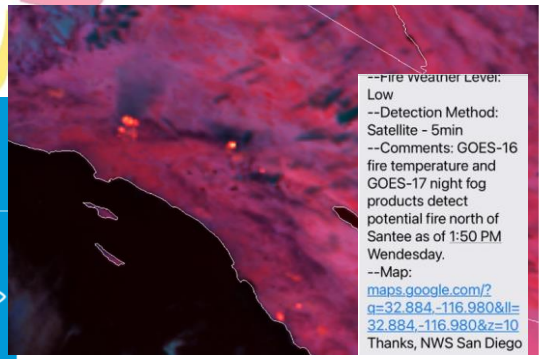
Earth from Orbit: NOAA's GOES-18 is now GOES West

January 4, 2023

NWS and Partner Collaboration Efforts on early Wildfire Detection and Modeling using Satellite and Real-time Weather Prediction



1 to 5 minute GOES-16 and 17 identification of hot spot, SMS text

13th Fire and Forest Meteorology Symposium

Paper # 8.1

Alex Tardy NOAA, NWS San Diego
Co-authors Brian Norton and Jessica Block

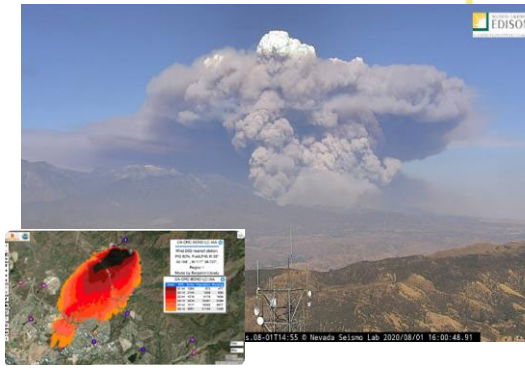
Operational Fire Weather

May 11, 2021 at 1205 PM PDT

Alexander.Tardy@noaa.gov

AMS American Meteorological Society

13th Fire and Forest Meteorology Symposium

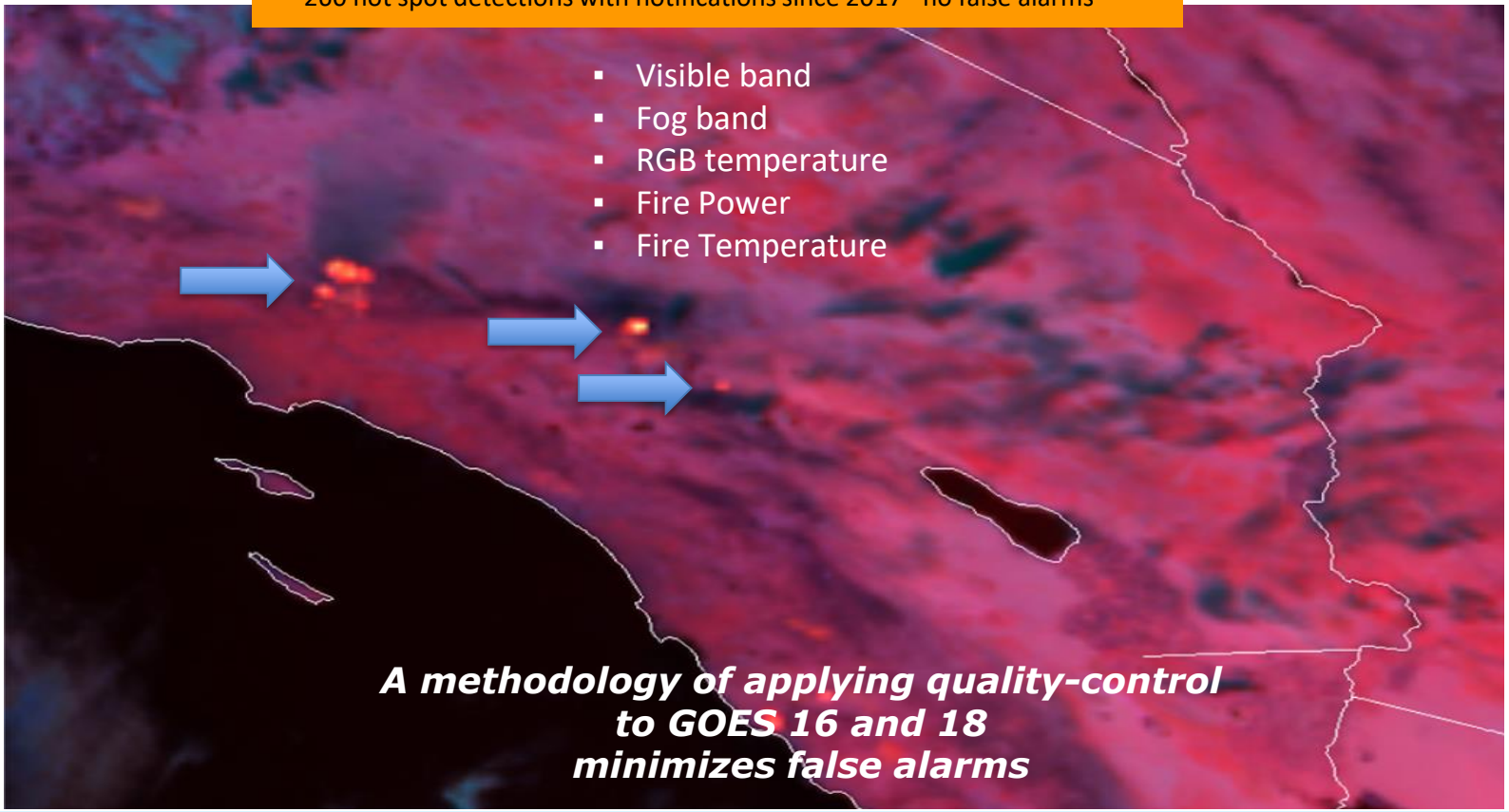


Fire behavior modeling and live webcameras

- Experimental decision support tools to local partners in Southern California
- ***The methodology of applying quality-control to GOES 16 and 17 detections minimizes false alarms of SMS text messages***
- Real-time verification with live web cameras and social media
- Satellite notices at the same time as 911 or fire calls and some cases minutes before
- Location accuracy verified with 911 calls, cameras and drones
- WiFire wildfire modeling and other platforms can use point detection and map fire spread in minutes
- Wildfires as small as 2-5 acres detected (burned hot) – often same time or shortly after first dispatcher report
- Several critical nighttime notices on wildfires starts including 8 in fall 2020
- GOES identification was near real-time of a wildfire report (few cases were prior) since 2017 with over 155 notices
- GOES usage for high alert days (Santa Ana wind) as much as 1 minute temporal resolution
- Hot spot notifications can improve in timeliness and possibly better location accuracy (intelligence information and improved modeling)
- Utility companies and other users receiving automated notices from GOES
- Possible linkage to hot spot notification to live cameras (AlertWildfire.org) and local fire agencies

GOES ABI fire temperature example

260 hot spot detections with notifications since 2017 - no false alarms



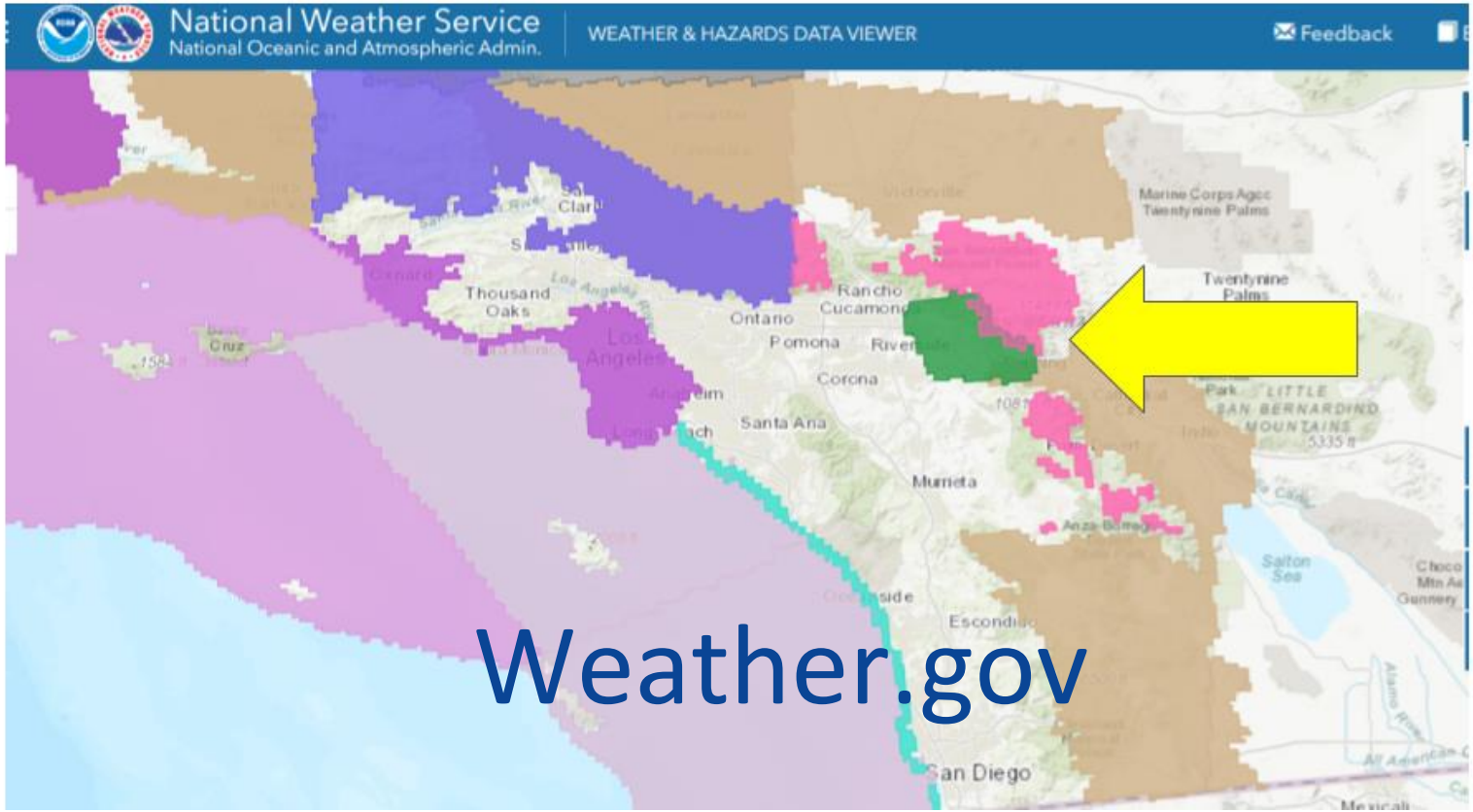
When Flooded Turn Around Don't Drown

- 90 new TADD signs delivered to Caltrans, cities, and tribal communities in 2021-23
- 30 signs installed by Caltrans 2018-2022 on **highways 38, 74 and 243** (mostly burn scar areas)
- Signs installed across all areas of CWA (tribal lands, state highways, urban and rural low water crossings, Arizona crossings in low and high deserts, and known swiftwater rescue locations)
- 50 signs provided since 2013 in southern California
- 2019-21 expansion into rural San Diego County low water crossings - now at 36 locations!

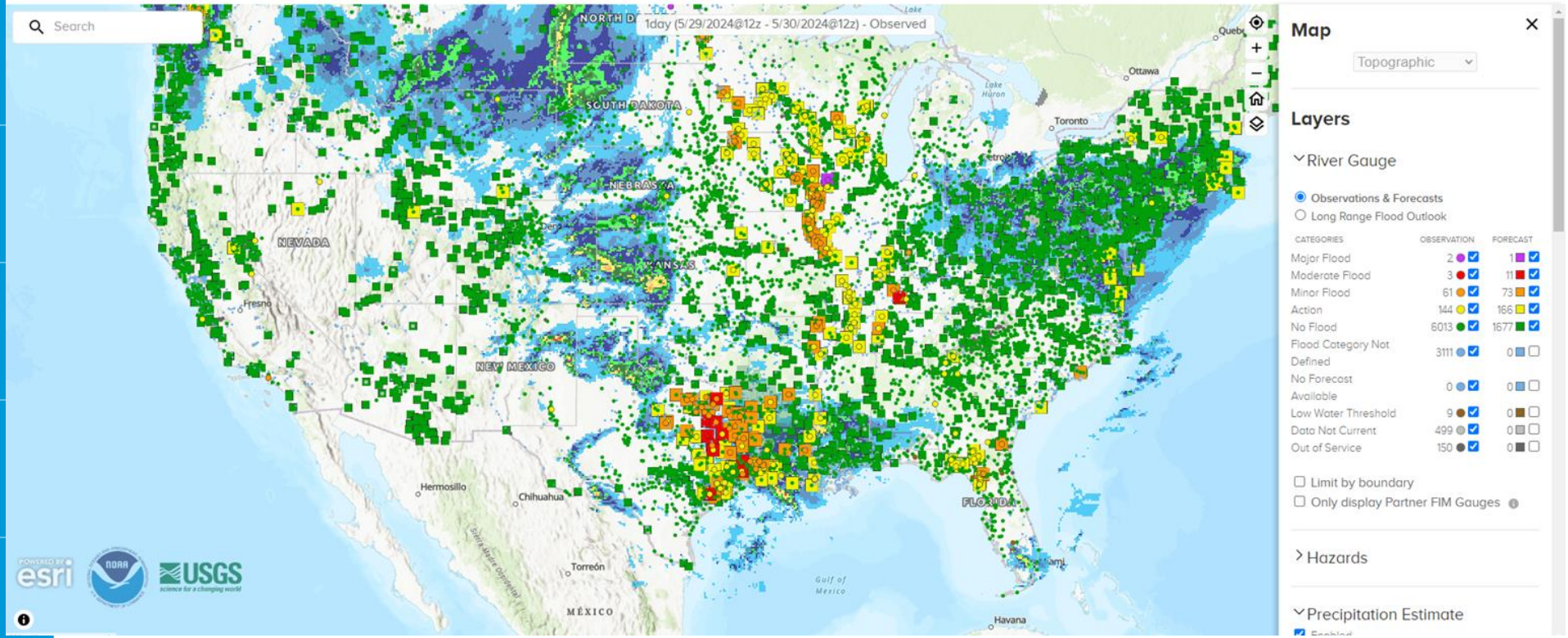
Cranston Burn Scar - Highway 74

Highway 74 near Lake Hemet
at Hurkey Creek

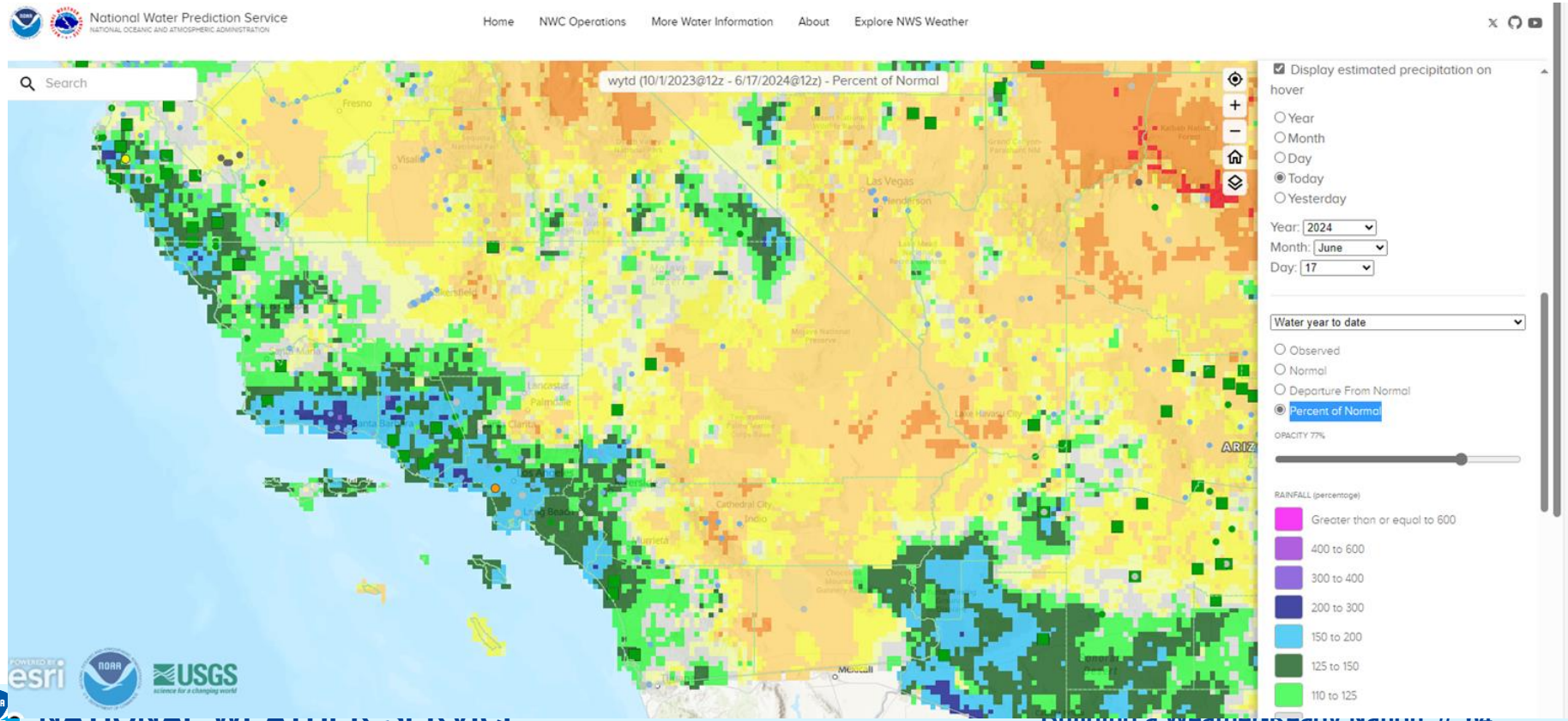
Flash Flood Watch in effect (El Dorado/Apple)



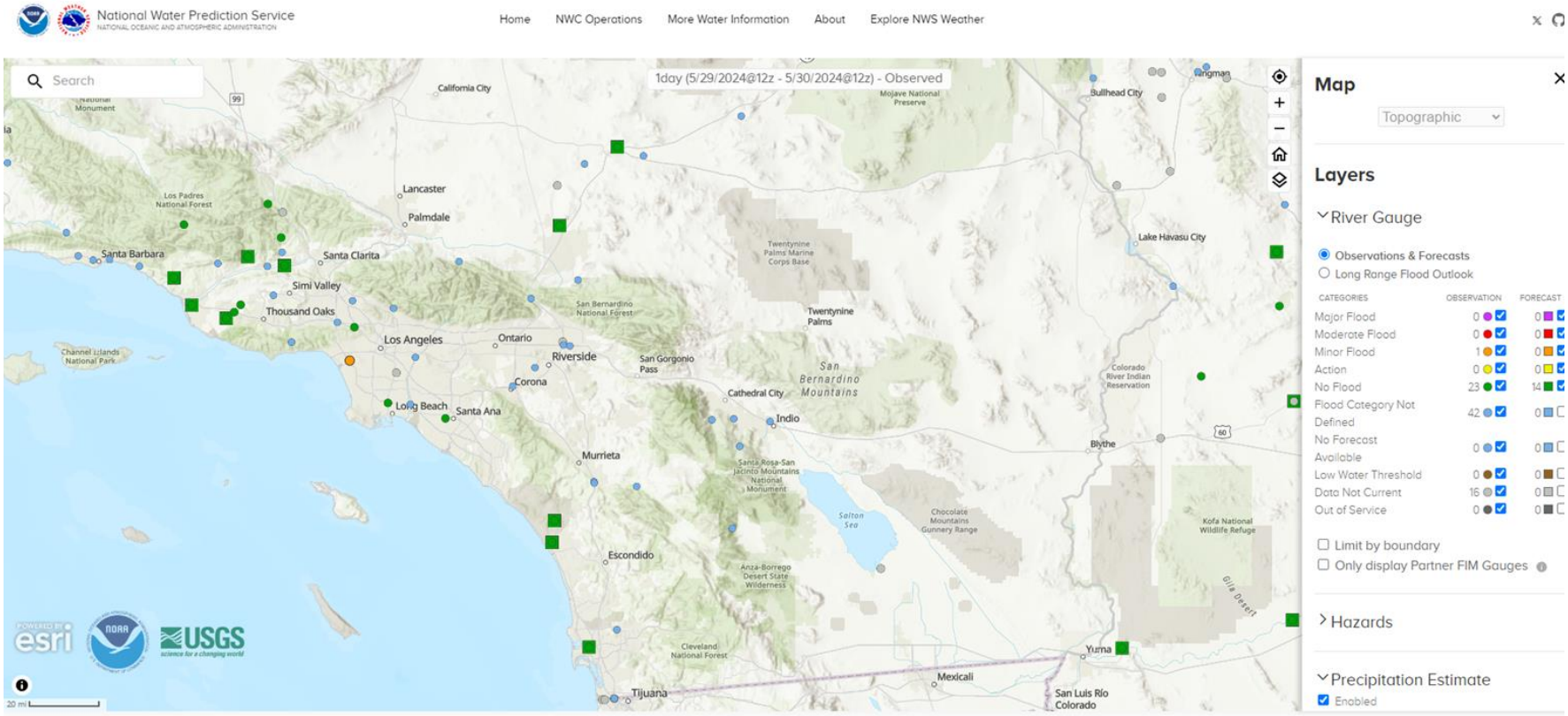
water.noaa.gov (National Water Prediction System)



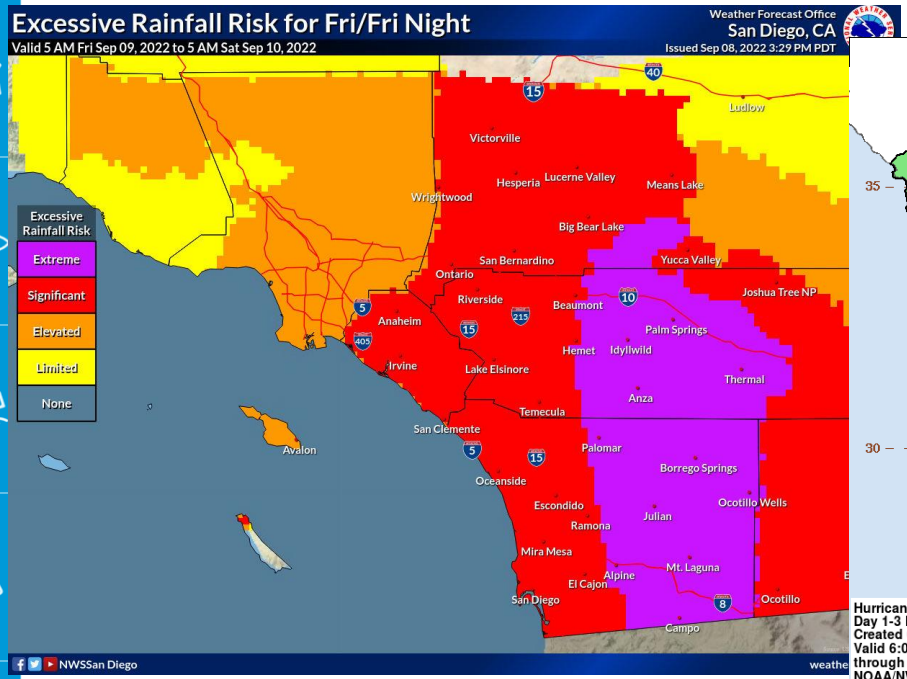
Precipitation estimates mapping

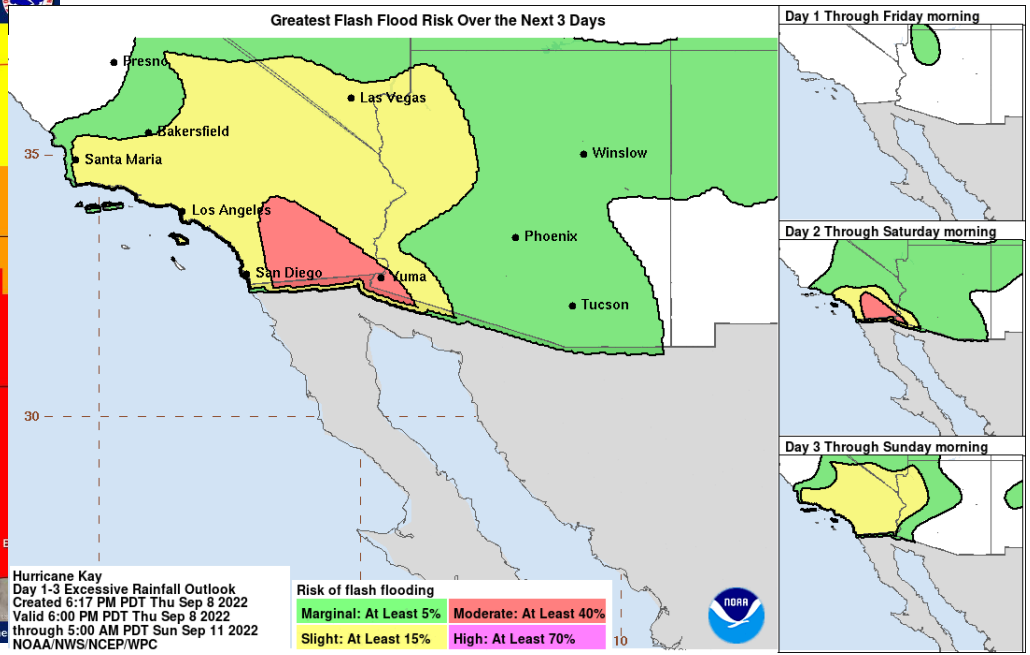


River and stream gauge monitoring



GHWO and WPC ERO





FLASH FLOOD potential
September 12, 2022

HOME News Organization FAQ Share

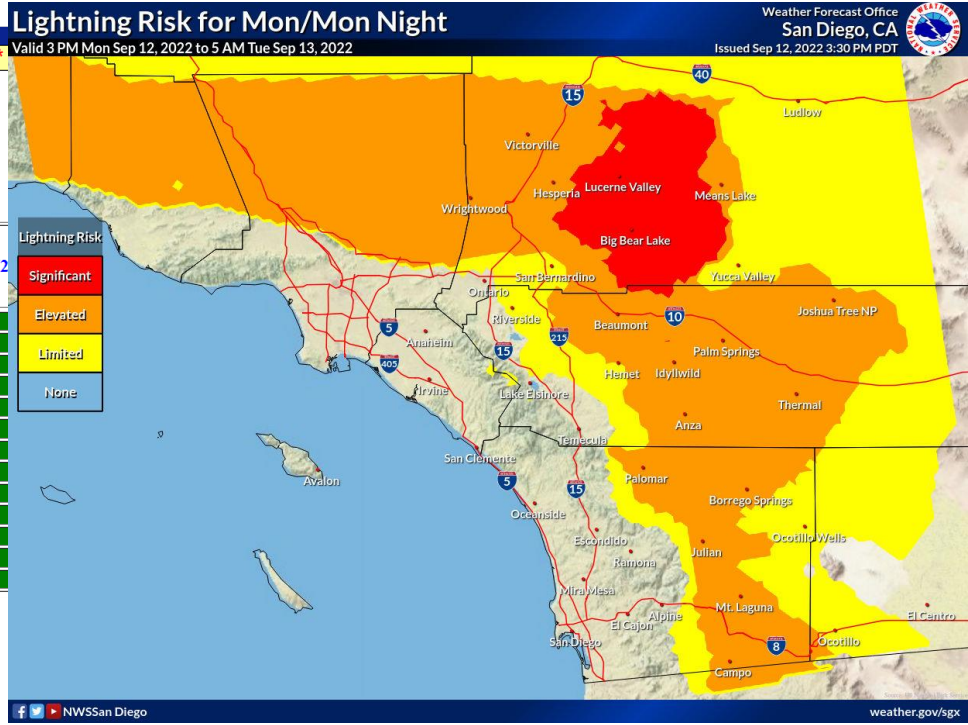
FLASH FLOOD POTENTIAL FORECAST DASHBOARD - * EXPERIMENTAL ***

Flash Flood Potential Legend

- None = No flash flooding expected.
- Low = The risk of flash flooding is minimal.
- Moderate = Thunderstorms are expected to develop and isolated flash flooding is possible.
- High = Thunderstorms with areas of heavy rain are expected and the threat of flash flooding is significant.

Click Here For The Flash Flood Potential Forecast Text Version

ZONE	Mon 09/12/2022	Tue 09/13/2022	Wed 09/14/2
San Diego County Coastal Areas			
San Diego County Valleys			
San Diego County Mountains			
San Diego County Deserts			
Orange County Coastal Areas			
Orange County Inland Areas			
Santa Ana Mountains/foothills			
Inland Empire			
Riverside County Mountains			
San Gorgonio Pass Near Banning			
Coachella Valley			
San Bernardino County Mountains			
High Deserts Including Apple And Lucerne Valleys			



Weather.gov

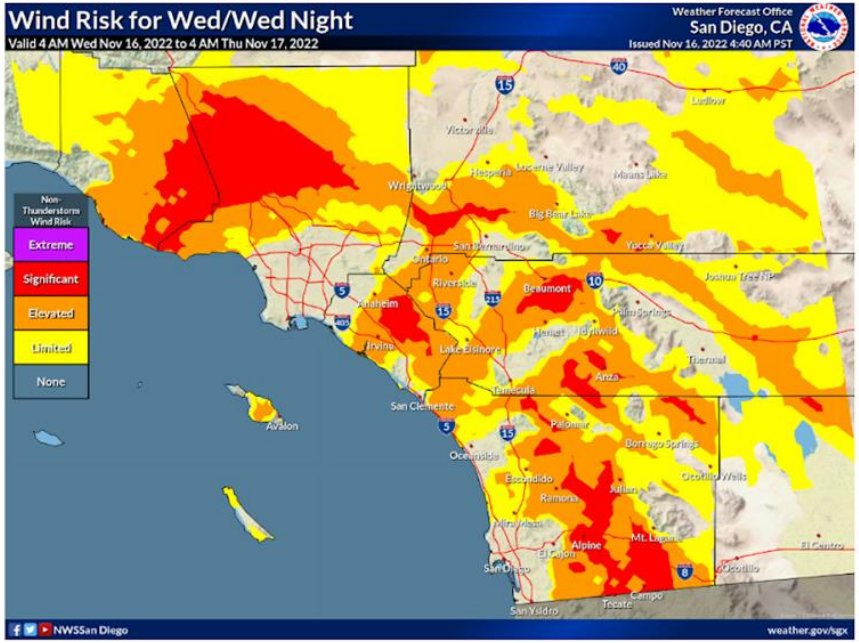
Hazardous outlooks

https://www.weather.gov/erh/ghwo?wfo=sgx

NATIONAL WEATHER SERVICE

xperimental Graphical Hazardous Weather Outlook

Weather Forecast Office
Updated: November 16tl



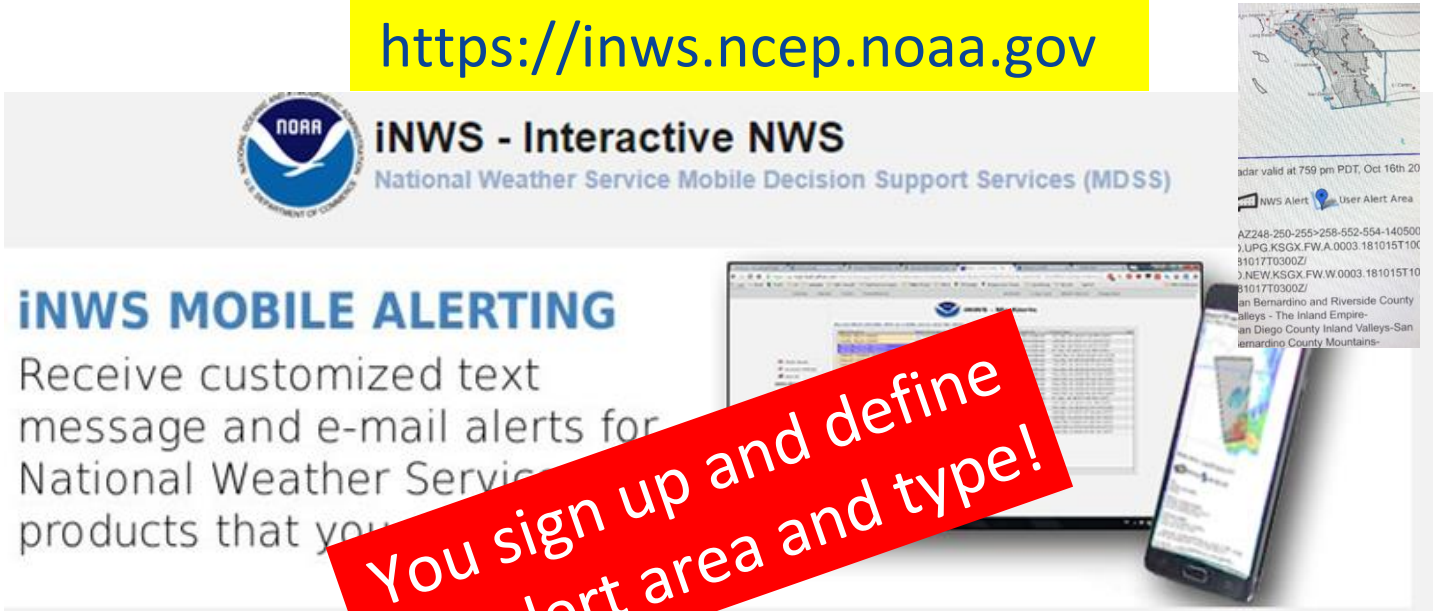
Public | Marine

24 Hr Hazard Risks	Today	Thu	Fri	Sat	Sun	Mon	Tue
Severe Thunderstorm							
Tornado							
Thunderstorm Wind							
Hail							
Lightning							
Excessive Rainfall							
Excessive Heat							
Wind							
Frost/Freeze							
Fog							
Fire Weather							
Excessive Cold							
Snow/Sleet							
Blowing Dust							

Push Alerts – watches and warnings

Specific areas to your phone or email

https://inws.ncep.noaa.gov

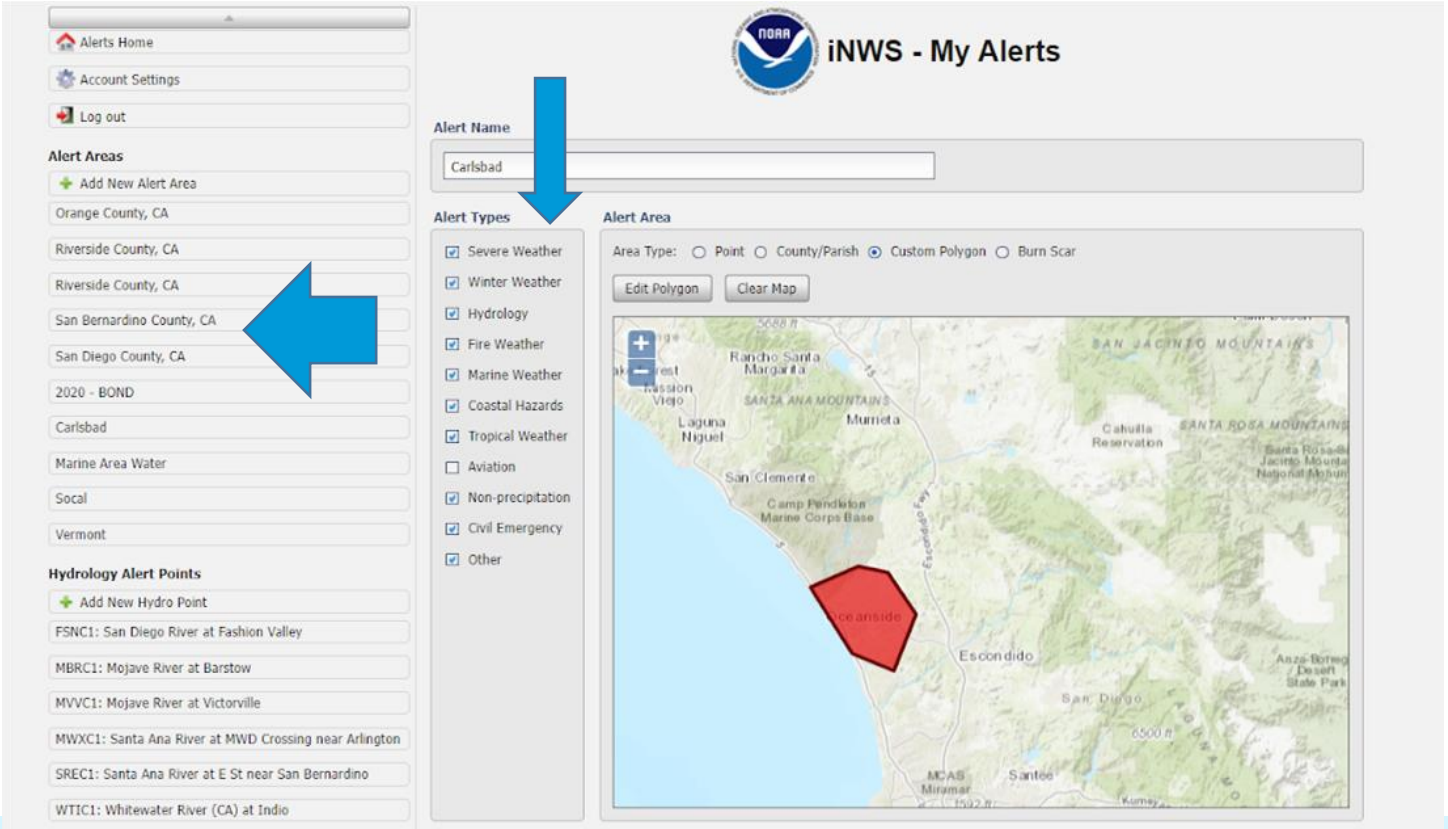


Your Alerts


Home
News
FAQ
Feedback
Log out
Alex Tardy
Register
Reset password
Alerts Home
Account Settings
Log out
Alert Areas
Add New Alert Area
Orange County, CA
Riverside County, CA
Riverside County, CA
San Bernardino County, CA
San Diego County, CA
2020 - BOND
Carlsbad
Marine Area Water
Socal
Vermont
Hydrology Alert Points
Add New Hydro Point
FSNC1: San Diego River at Fashion Valley
MBRC1: Mojave River at Barstow
MVVC1: Mojave River at Victorville
MWXC1: Santa Ana River at MWD Crossing near Arlington
SREC1: Santa Ana River at E St near San Bernardino
WTIC1: Whitewater River (CA) at Indio
YDRC1: Santa Margarita River at Ysidora
iNWS - My Alerts
Search for Alerts
Start Date :
End Date :
Alert Area :
All
Submit
Reset
Alerts (Double-click on a table row to view the alert)
NWS Product | Alert Area Name | Event Type | Sent To | Time Sent
Small Craft Advisory | Marine Area Water | Extension | Phone | Thu Mar 10 2022 08:48 AM (PST)
Wind Advisory | San Diego Co., CA | Extension | Phone | Thu Mar 10 2022 02:33 AM (PST)
Wind Advisory | Socal | Extension | Phone | Thu Mar 10 2022 02:33 AM (PST)
Wind Advisory | Carlsbad | Extension | Phone | Thu Mar 10 2022 02:33 AM (PST)
Wind Advisory | San Bernardino Co., CA | Extension | Phone | Thu Mar 10 2022 02:28 AM (PST)
Winter Storm Watch | Vermont | New Event | Phone | Wed Mar 9 2022 11:59 PM (PST)
Wind Advisory | Socal | Cancellation | Phone | Wed Mar 9 2022 7:45 PM (PST)
Small Craft Advisory | Marine Area Water | New Event | Phone | Wed Mar 9 2022 2:24 PM (PST)
Wind Advisory | Socal | New Event | Phone | Wed Mar 9 2022 2:03 PM (PST)
Wind Advisory | Socal | New Event | Phone | Wed Mar 9 2022 2:03 PM (PST)
Wind Advisory | Marine Area Water | New Event | Phone | Wed Mar 9 2022 2:03 PM (PST)
High Wind Warning | Socal | New Event | Phone | Wed Mar 9 2022 2:03 PM (PST)
Small Craft Advisory | Marine Area Water | New Event | Phone | Wed Mar 9 2022 1:46 PM (PST)
Small Craft Advisory | Carlsbad | New Event | Phone | Wed Mar 9 2022 1:46 PM (PST)
Wind Advisory | San Diego Co., CA | Extension | Phone | Wed Mar 9 2022 1:00 PM (PST)
Wind Advisory | Socal | Extension | Phone | Wed Mar 9 2022 1:00 PM (PST)
Wind Advisory | Riverside Co., CA | Extension | Phone | Wed Mar 9 2022 1:00 PM (PST)
Wind Advisory | 2020 - BOND | Extension | Phone | Wed Mar 9 2022 1:00 PM (PST)

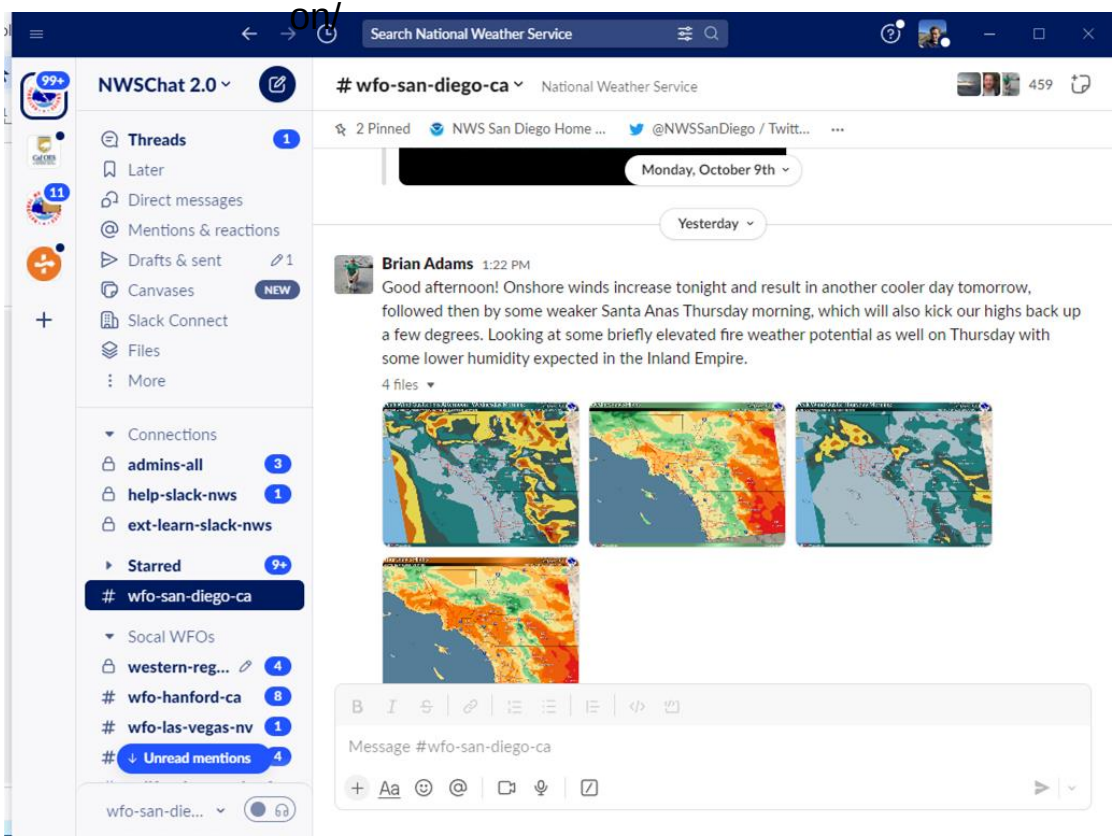
Define your alert or county

Pick the alert types (e.g., fire weather)

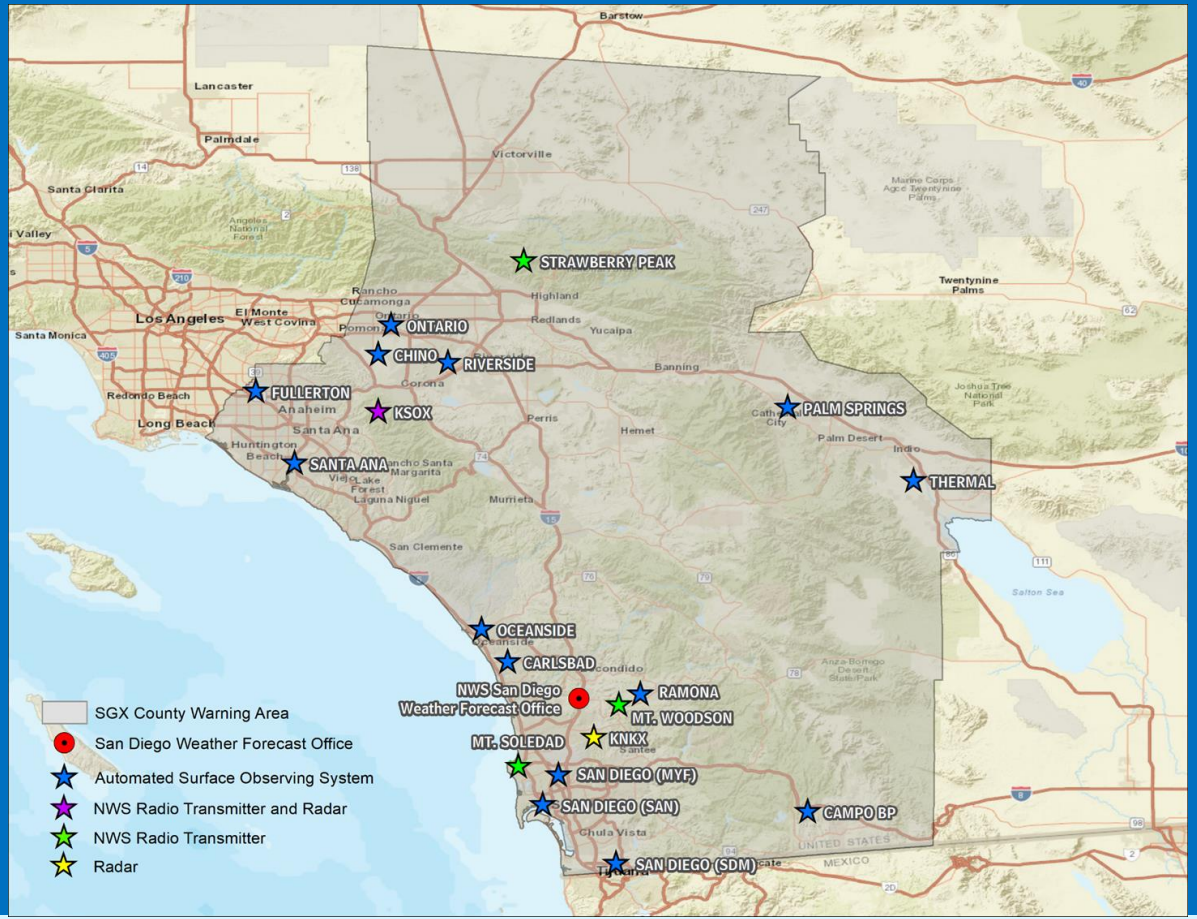


Live chat and information on Slack!

https://partnerservices.nws.noaa.gov/registration/



Facilities in Socal



NWS Doppler weather radar

Santa Ana KSOX

Building a Weather-Ready Nation

Weather Balloon Launch

Miramar
2x a day

Building a Weather-Ready Nation

Radiosonde began in 2020

New NOAA Supercomputer WCOSS in 2023!

Technology in NOAA

NOAA upgrades supercomputers to enhance US weather forecasts

By DAN SYMONDS — August 11, 2023 3 Mins Read

Share LinkedIn Facebook Twitter Email

Twin supercomputers Dogwood (pictured here) and Cactus are the newest additions to NOAA's weather and climate operational supercomputing system. Credit: General Dynamics Information Technology/NOAA

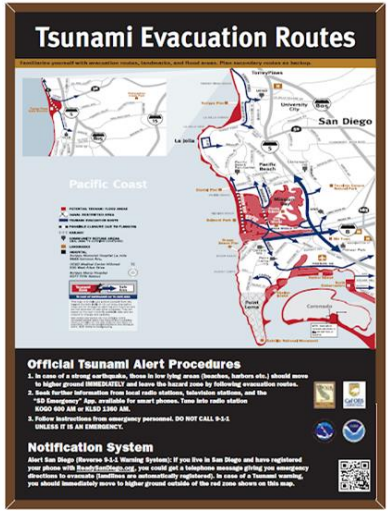
The US Department of Commerce and NOAA have expanded the capacity of the Weather and Climate Operational Supercomputing System (WCOSS) by 20%. The increased computing power

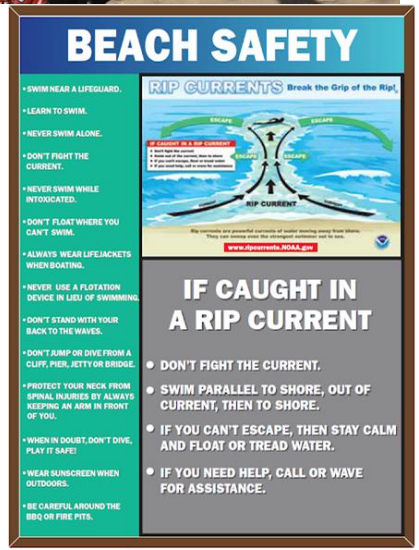
Tsunami Kiosk Program – 19 installed

Del Mar - 2
Huntington Beach – 5
Seal Beach - 2
Newport Beach 1 (city purchased 5 additional!)
Laguna Beach – 1
Oceanside - 2
San Diego City – 2
Imperial Beach – 1
Chula Vista harbor – 1
Moonlight Beach – 2 in 2021!

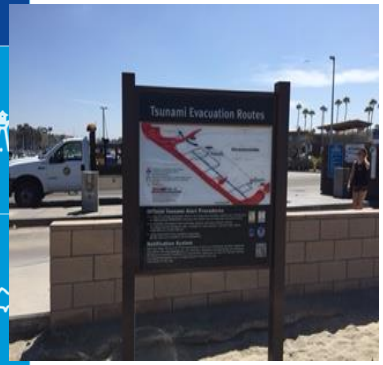
Partnership with Chapman University graphic design program and California Geological Survey and city lifeguard agencies

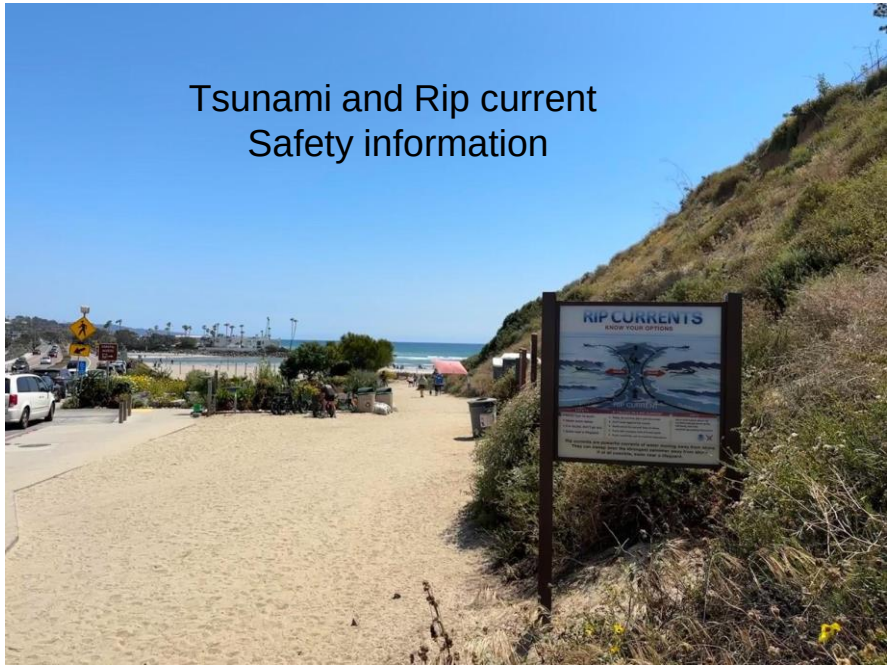
Annual tsunami drill at SGX in late March



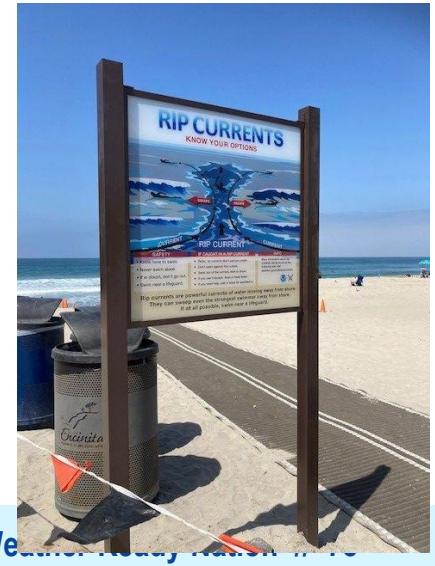


Information kiosks (18) at the beaches





Tsunami and Rip current
Safety information



Alexander.Tardy@noaa.gov

Our Forecast Process

- Heavy reliance on National Blend of Models (NBM) - now on version 4.2 (15 May 2024) - https://vlab.noaa.gov/web/mdl/nbm
- Days 4 to 7 are the NBM
- Incorporates numerous models as inputs, including ensembles and MOS

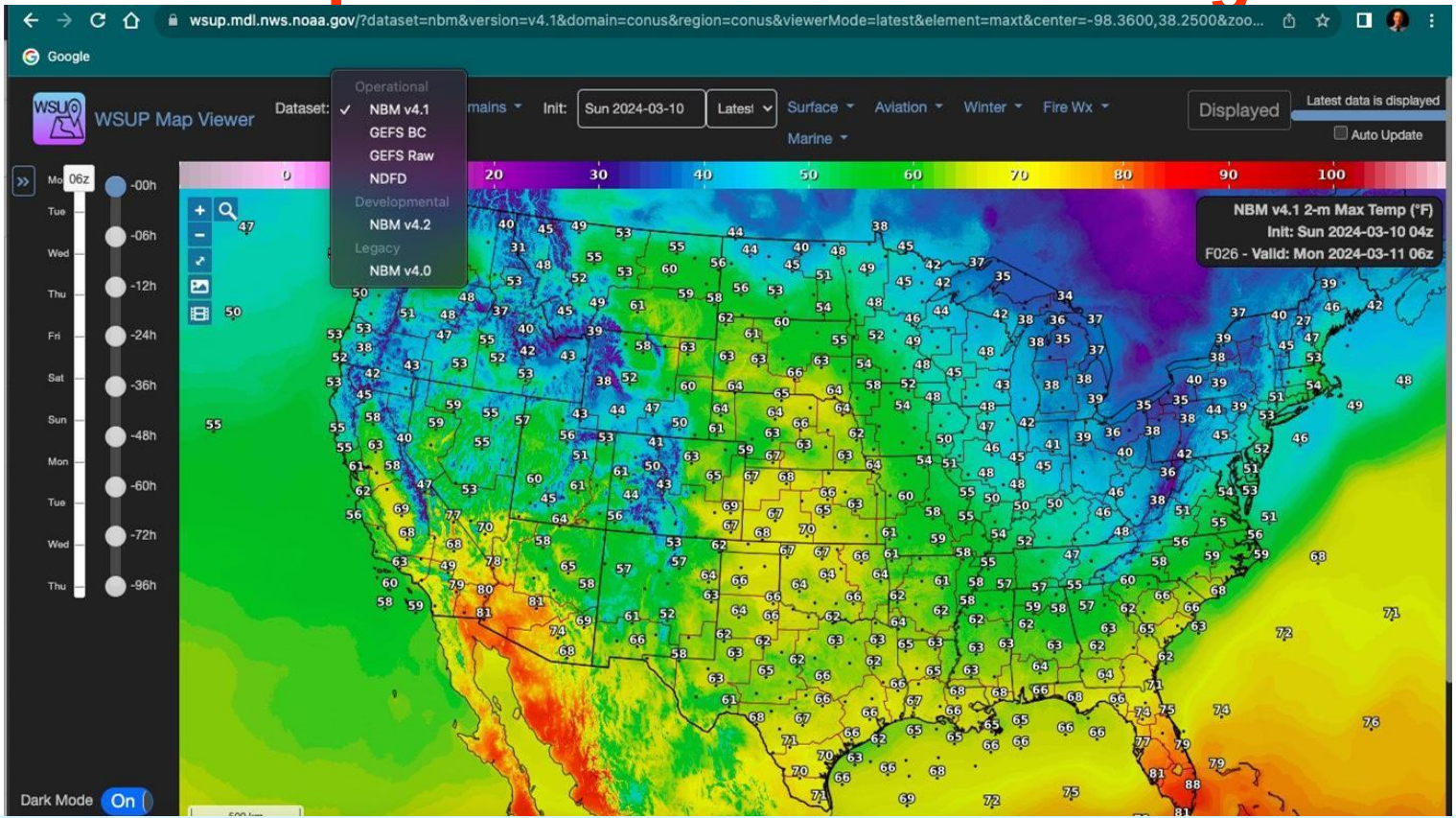
Members for NBM v4.2 - Reference Time 2024-05-22 12:00 UTC

For Min Temperature (CONUS) - 30 hour Projection

Model	Date	Cycle	Projection	Valid Date
CMC GDPS	20240522	0	42	2024052318
SREF	20240522	3	39	2024052318
NAMMOSSTN	20240522	0	42	2024052318
NAML	20240522	6	36	2024052318
NAMH	20240522	6	36	2024052318
HIRESW FV	20240522	0	42	2024052318
GMOS	20240522	0	42	2024052318
GFSMOSSTN	20240522	6	36	2024052318
GFS	20240522	6	36	2024052318
GEFS	20240522	0	42	2024052318
ECMWFE	20240522	0	42	2024052318
ECMWFD	20240522	0	42	2024052318
ECMOSE	20240522	0	42	2024052318
ECMOSD	20240522	0	42	2024052318
CMCE	20240522	0	42	2024052318
CMC RDPS	20240522	6	36	2024052318
WRF ARW	20240522	0	42	2024052318

National Blend of Models (Forecast Data)

https://blend.mdl.nws.noaa.gov/



National Blend *of* Models

A nationally consistent and skillful suite of calibrated forecast guidance based on a blend of both National Weather Service and external numerical weather prediction model data and post-processed model guidance.

A highly accurate, skillful and consistent starting point for the gridded forecast.

Probabilistic and bias-corrected weather elements across several service areas.

Providing forecasters with a suite of information to use for their forecasts.

An important part of the efforts to evolve NWS capabilities to achieve a Weather-Ready Nation.

NBM Inputs

- WRF MEM2
- WRF ARW
- RAP
- RAPX
- HRRR
- HRRRX
- GFS GMOS
- NAM GMOS
- EKDMOS/BMOS
- GLMP
- WW3D (0.5)
- WW3E (0.5)
- WW3D-Regional
- GLW
- HWRF
- HMON
- wTCM

- GEFS
- GFS
- NAM-Parent
- SREF
- NAM-Nest
- NEMS NMMB
- WRF ARW
- CMC GDPS
- CMC RDPS
- CMC REPS
- CMC GEPS
- ECMWFD
- ECMWFE
- NAVGEMD
- NAVGEME
- FNMOC
- ACCESS-G

- NOAA
- Canadian Meteorological Centre
- European Centre for Medium-Range Weather Forecasts
- U.S. Navy Fleet Numerical Meteorology and Oceanography Center
- Australia Bureau of Meteorology

2024 PIER Fire

INCIDENT REVIEW OF OCEANSIDE PIER FIRE – APRIL 25, 2024

OVERVIEW

- Pier Facts and Figures
- Pier business operations
- Initial Response Summary
  - 04/25 (Thursday) 1500 to 04/26 (Friday) 0700
- Ongoing Incident and EOC Summary
  - 04/26 (Friday) 0700 to 05/10 (Friday)
- After Action Review

RESOURCES

City of Oceanside Emergency Plan

City Council Meeting 05/01/2024 - Proclamation Local Emergency

San Diego County Emergency Operations Plan

National Incident Management System (NIMS)

National Incident Management System - Incident Types

PIER FACTS & FIGURES

- **1976** – Storms collapse 600’ section, two fires destroyed fish market and pier cafe.
- **1978** – Additional section collapsed, and Pier closed.
- **1987** - (September 27th) At 1,942 feet, the Oceanside Pier reopened as the longest wooden pier on the West Coast.
  - Innovative designs included sprinklers to protect restaurant, tackle shop, lifeguard tower, and restrooms.
  - Names carved into wooden rails were sold to help fund the Oceanside Centennial Celebration.

PIER FACTS & FIGURES

- **2021** – Ruby's Closes on Oceanside Pier
- **2023** – A major upgrade to utilities was completed ($5 million)
  - Updated 6" Fire Control Supply line for Sprinkler system with risers every 200' for 2 ½" hose connections.
- **2023** – Brine Box Opens at end of Pier
- **2024** – On April 25th, a major fire incident breaks out at the end of the pier.

Pier Business Operations

BRINE BOX – Small stand-alone food shack operated by local active business owner. Approved permits.

EMPTY RESTAURANT – former Ruby's Diner.

- Food prep and a hot plate for beverages. The bathroom was also in use by employees. Permitted.

- No current construction activity was occurring.

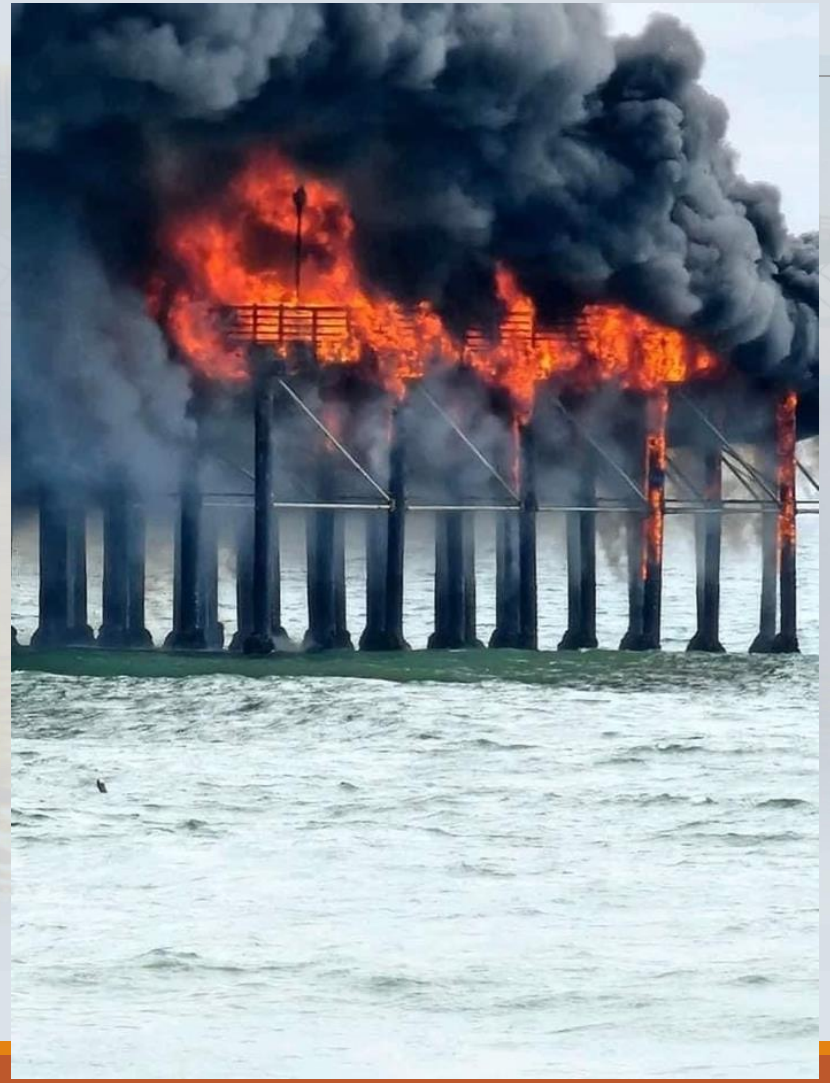
Initial Response Timeline and Resources

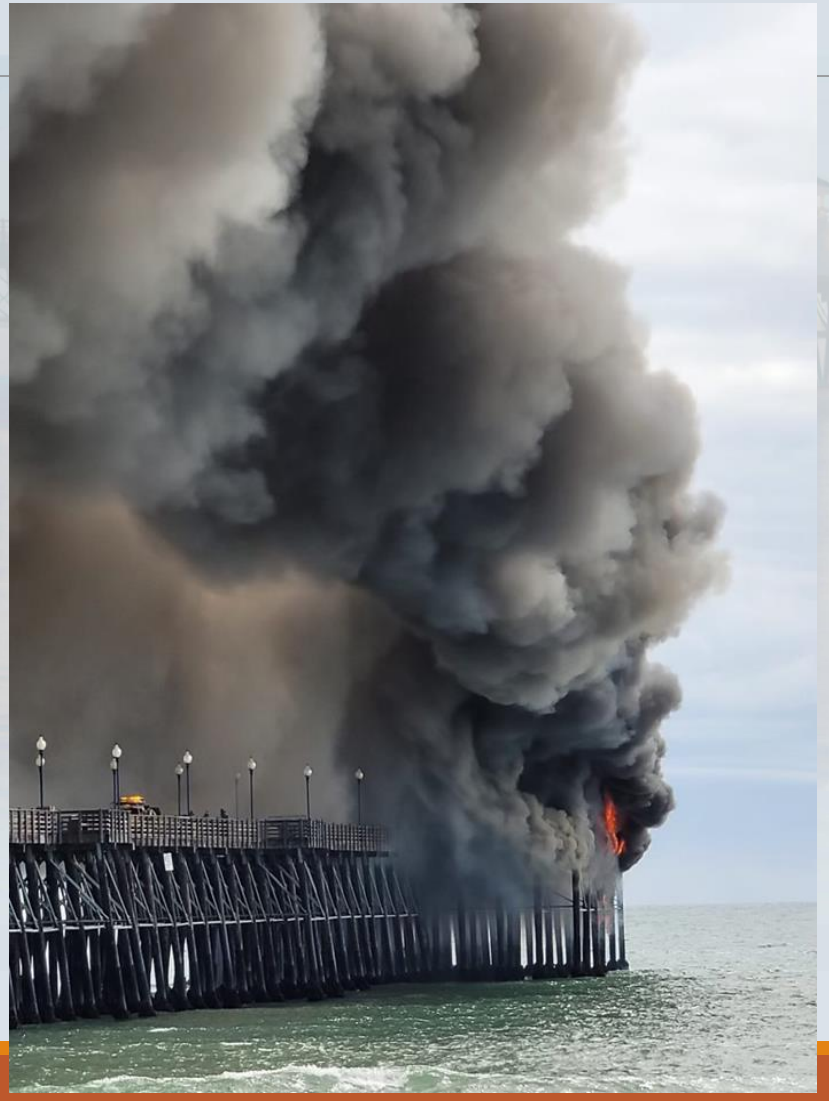
- **1502** – First alarm dispatch
  - 40 personnel and 17 units in first 6:30
  - NIMS Type 4 incident in scope
- **1507** (< 5 min.) - first engine on scene
- **1511** (< 9 min.) - first water applied by MSU
  - Marine Safety Unit (MSU) - squad or boat
  - Report heavy fire underneath the pier
- **1518 to 1529** – Second alarm, chiefs, mutual aid fire boats and helicopters
  - 30 additional personnel and 14 units
  - NIMS Type 3 incident in scope

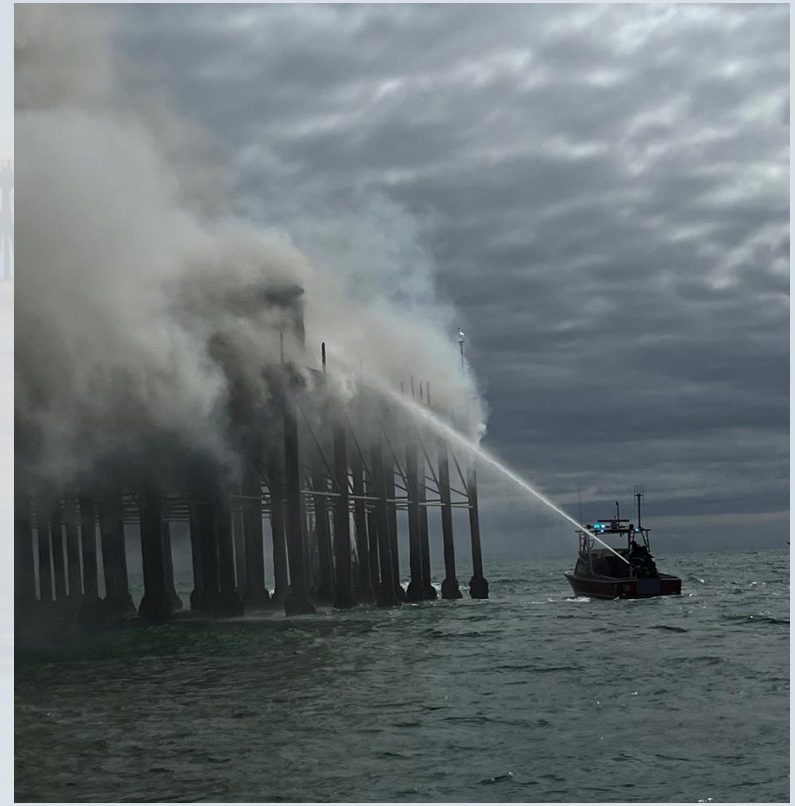
Initial Response - STRATEGY

- **Critical factors:** wind, visibility, fire location, size, and extent, life safety, attack progress
- **1517 - DEFENSIVE FIRE DECLARED**
  - Personnel pulled to back safe distances
  - Large water to extinguish above, on the deck, and underneath.
  - **Goal** – establish cutoff points. Coordinate water drops and firefighting from safe locations.

Initial Response - STRATEGY







Initial Response – DIV A

- Lifeguard trucks and fire squad shuttled crews and hose 1/3 mile to the end of Pier.
- New fire suppression system utilized
- 2 more lines were "hand-jacked"
- Sprinklers activated in Ruby's and Brine Box.
- Over 140 bottles refilled in first 6 hours. Constant shuttle over 1700'

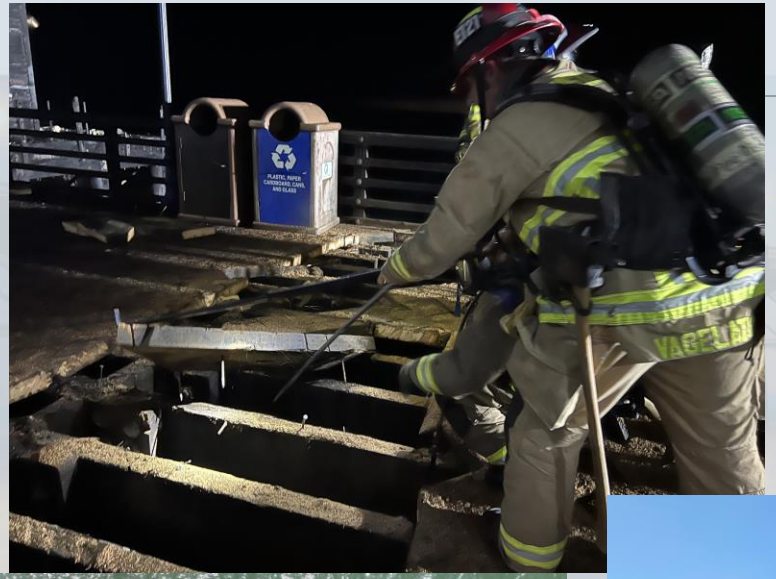
Initial Response – Water

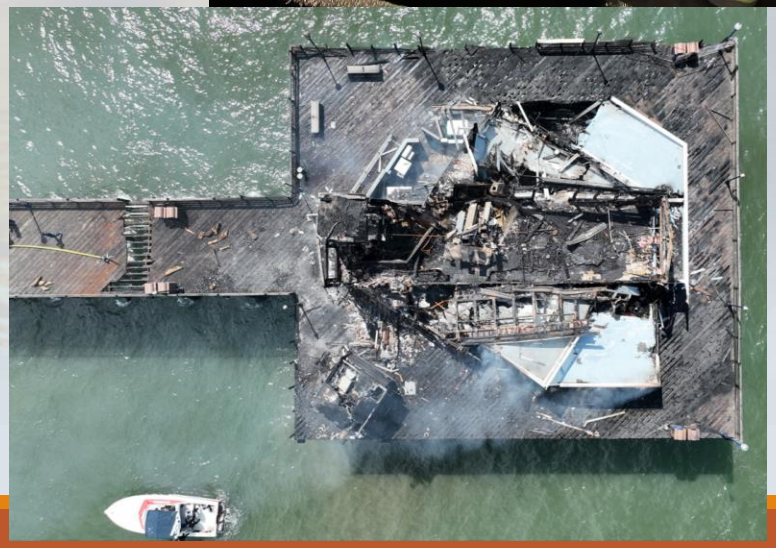
- Lifeguard Lt. was the division supervisor on a boat providing communication and coordination.
- Lifeguard Personal Watercraft (PWC) deployed as "Water RIC" for firefighters potentially in the water.
- **ARRIVAL**
  - 7 Minutes: Oceanside Fire : Marine Safety Unit
  - 30 Minutes: Manson : Dredge Tender PUP
  - 70 Minutes: Coast Guard Cutter: ‘Sea Otter’ 87" long
  - 90 Minutes: San Diego Lifeguard: “Triton” 38’
  - 4/26 @ 0503: San Diego Harbor Police/Fire Boat: "602A"

Initial Response – Aircraft

- **<u>ARRIVAL/HELICOPTER/WATER CAPACITY</u>**
  - 110 Minutes: San Diego Sheriff/Cal Fire – ASTREA Copter 12, 375g
  - 120 Minutes: San Diego Gas and Electric – Helitanker 729, 2650g
  - Fresh vs. Salt water?
- Marine Corp. Camp Pendleton was queried, unable to respond.
- Significant coordination of water drops including location and safety of crews occurred.
- Approximately 20 water drops were made.

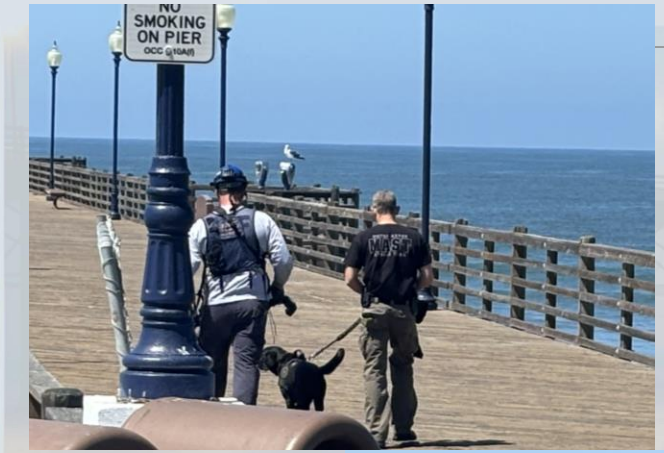
Initial Response – DEFENSIVE "TRENCH" CUT

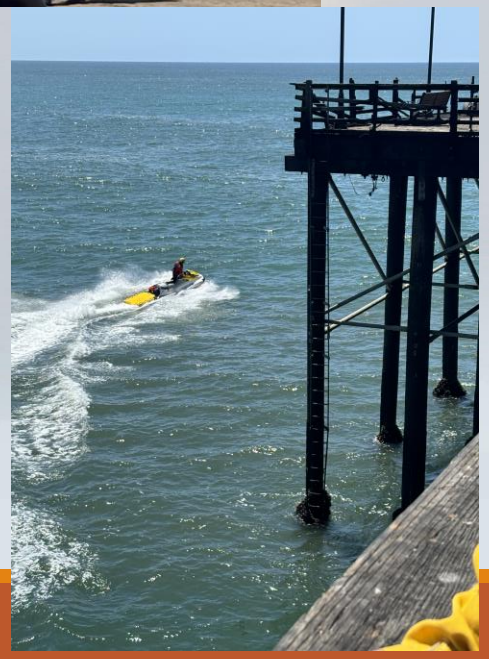




- Commercial structure fire attack technique.
- Boats couldn't access fire that was under the deck.
- Wind
- Air resources stop at night.
- 1 hour
- 7 chainsaws
- 4' wide opening across the pier width

Initial Response - SPECIAL CONSIDERATIONS





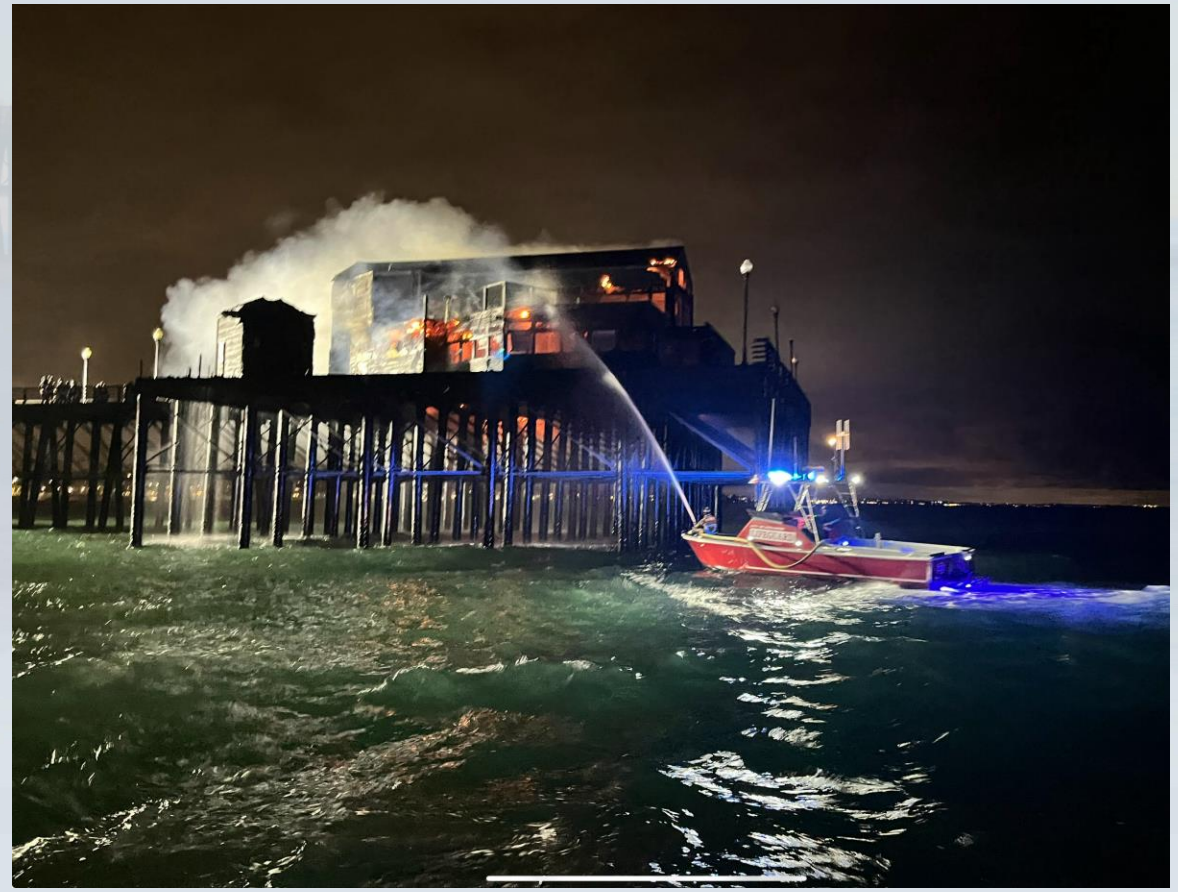
- **ICP Coordination**
  - Hazardous Materials response team – air
  - Fire investigation – Bureau of ATF, SD City MAST canine
- **EOC Coordination**
  - SD County Public Health – water quality testing, beach closure
  - Coast Guard – legal safety zone creation, water closure
  - City Homeless Encampment Crew - Debris washing up on shore
- **Public Information**
- **City backfill coverage for Fire/EMS**

Incident Response - COMMAND

- **1305 Initial Incident Command was established**
- **1315 Arriving Battalion Chief (B217) transferred command**
  - Unified with Oceanside Police Department
  - Established Operational Divisions of Alpha (on the Pier), Water, Air Operations, Rehab, and Staging.
  - Requested additional resources including marine, air, and land based.
  - Rehabbed and released crews back to home agencies.
  - Developed overnight plan.

Incident Response - OVERNIGHT

- **Declared "forward progress stopped"**
- **Overnight Operations**
  - Active fire was visible – multiple 911 calls
  - Protect grease trap and sewage lift station
- **Boats and firefighters were the fire attack resources**

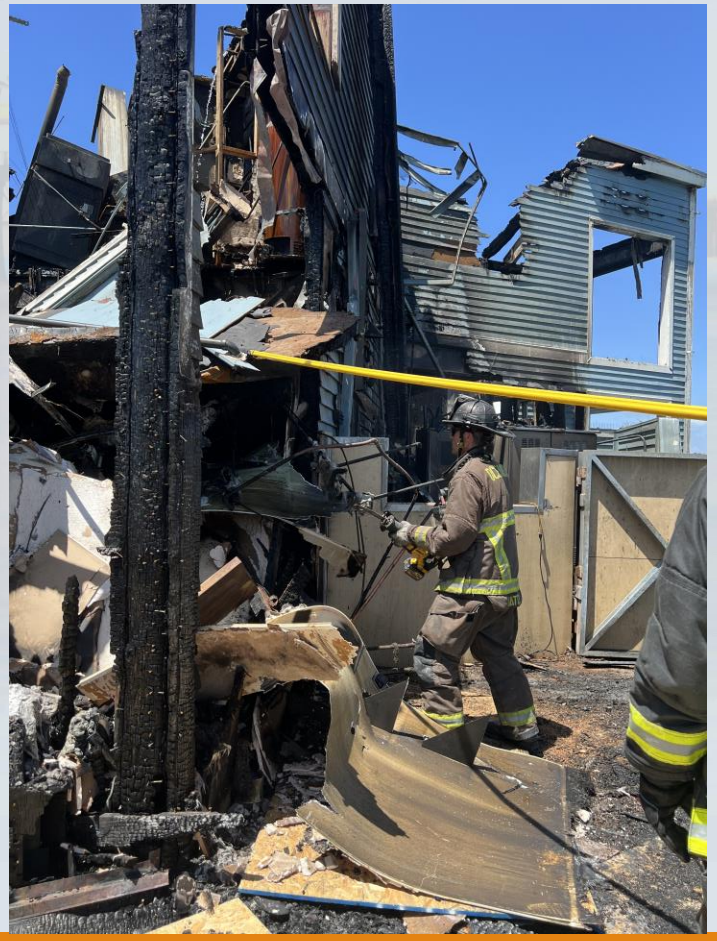


OPERATIONS - OVERHAUL

- **FRIDAY, 0700 – 1900 Operational Period**
  - Evaluate stability of structure (City Engineer)
  - Define safety area for overhaul
  - Boats – Continue extinguishment and safety
  - Triton released.
  - San Diego Harbor PD Boat in service as fire boat
  - MSU and 2nd boat for safety.
  - PWC for FF safety
- **FRIDAY, 1900 – 0700 Operational Period**
  - All boats released.
  - No activity beyond the defensive trench cut.
  - Monitor hot spots/flare ups.

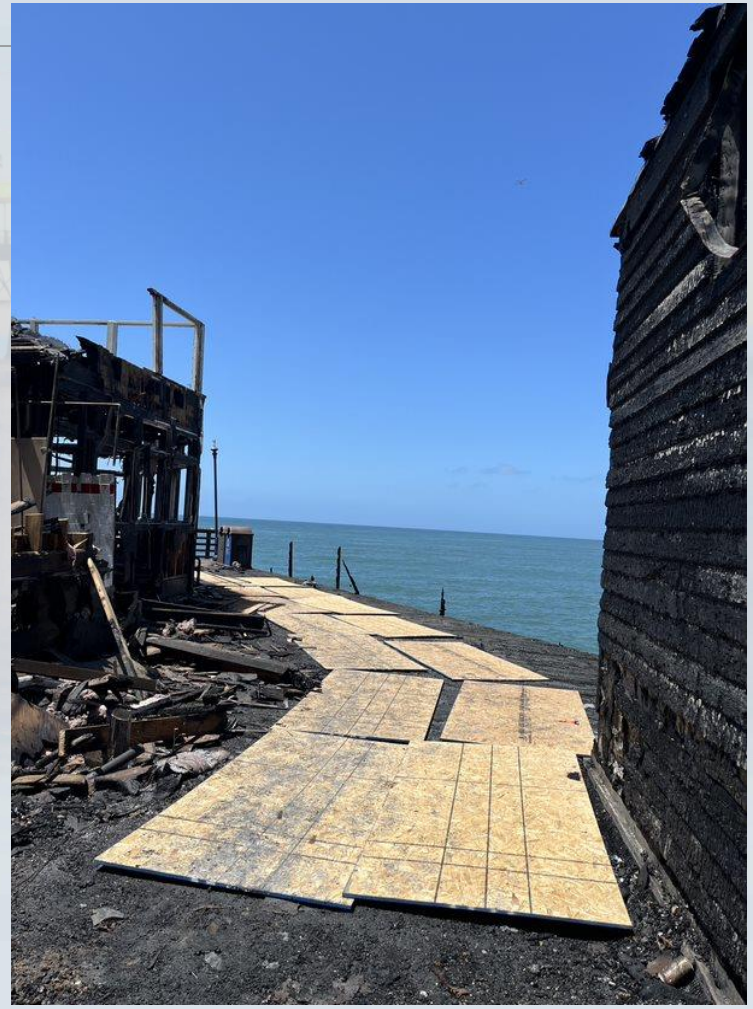
OPERATIONS - OVERHAUL

- **SATURDAY, 0700 - 1900 Operational Period**
  - Marine Safety Unit returned for safety, extinguishment under pier.
  - San Diego Harbor PD Boat returned to assist with extinguishment.
  - Personal Watercraft for FF safety
- **SATURDAY, 1900 – 0700 Operation Period**
  - Boats released.
  - No personnel beyond the cut.
  - Monitor hot spots/flare ups



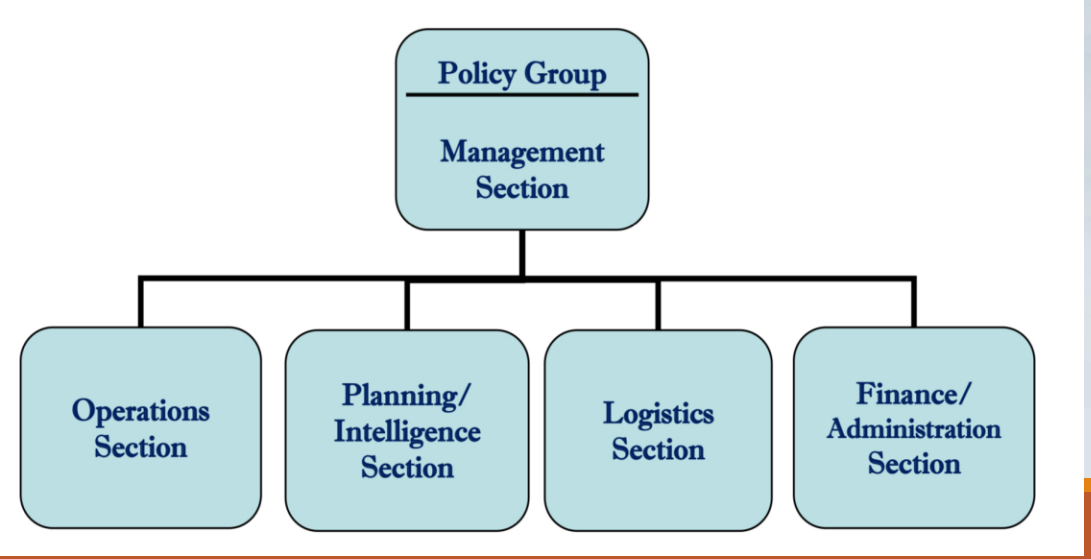
OCEANSIDE OPERATIONS - OVERHAUL

- **SUNDAY, 0700 - 1900 Operational Period**
  - MSU and PWC returned for safety.
  - Monitor any signs of fire under pier.
  - Finish overhaul within defined safety area.
  - Demobilize hose and equipment from pier.
  - Monitored for any smoke/signs of fire on pier.
- **SUNDAY, 1900 – 0700 Operation Period**
  - Boats released.
  - No personnel beyond the cut.
  - Monitor any signs of smoke/fire.



Major Incident - EOC

- **<u>City of Oceanside Emergency Operations Center Activated Level 2 at 1523 Thursday April 25</u>**
- **Policy group**
  - Director of Emergency Services : <u>Assistant City Manager Gossman</u>
  - EOC Director/Management Section Coordinator: <u>Fire Chief Parsons</u>
- **Management Section**
  - Senior Deputy City Attorney (Candelario), City PIO (Gorman-Brown), Risk Manager (Gallegos)
- **Operations – Deputy Chief Specht**
  - Utilities (Leahy), Public Works (Visco), Engineering (Thomas), OPD (Link)
- **Planning – Division Chief Dorse**
  - Documentation (Town)
- **Logistics – Human Resources Director O'Brien**
  - Communications/IT (Riha)
- **Finance – Finance Director Moya**



Timeline - EOC

4-25-2024

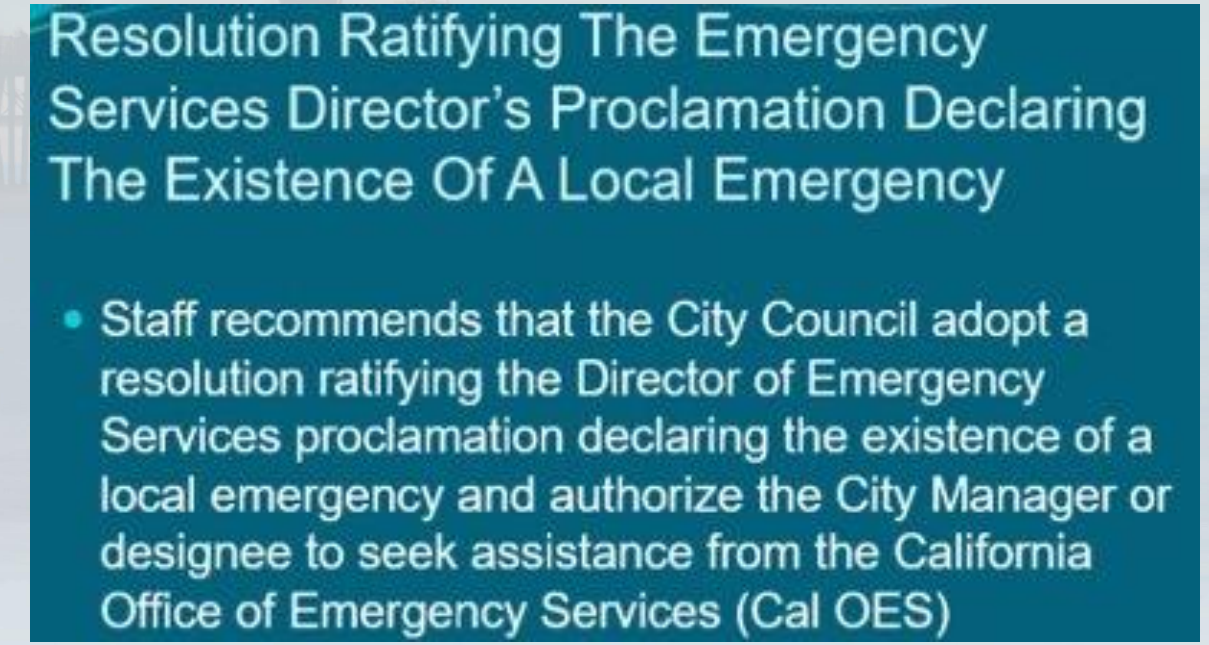
- **1514**: First post to EOC group in WhatsApp
- **1543:** Dep. City Manager: potential EOC activation
- **1606**: SD OES Duty Officer contacts DC Dorse
- **1633**: Finance Director increases spending limits
- **1723**: Dep. City Manager activates virtual EOC to Level 3
- **1742**: City Attorney: local emergency proclamation prepared
- **1756**: City PIO advises all city web and SM channels being updated
- **1806**: Finance Director provides subledger code
- **1909**: Cal OES Warning Center advised of potential for hazardous spill

Timeline - EOC

- **Friday 4/26:**
  - 0800: In-Person EOC Meeting 1 (LG HQ)
  - 1700: In-Person EOC Meeting 2 (LG HQ)
- **Monday 4/29:**
  - 0800: In-Person EOC Meeting 3 (LG HQ) Level 2 Activation
  - 1511: Emergency Proclamation Signed
- **Tuesday 4/30:**
  - 0838: Cal OES confirmed receipt of Emergency Proclamation
- **Wednesday 5/1:**
  - City Council ratifies Emergency Proclamation
- **Thursday 5/2:**
  - 0800: In-Person EOC Meeting 4 (LG HQ)
- **Saturday 5/4:**
  - 0926: Request letter for CDAA sent
- **Monday 5/6:**
  - CalOES confirmed receipt of CDAA request
- **Thursday 5/9:**
  - 0730: In-person EOC meeting 5 at City Hall

Major Incident - ONGOING

- **MONDAY (04/29)**
  - Fire declared "Loss Stopped"
  - 93% of pier saved.
  - Coordinate investigation with ATF/OFD Fire Investig.
  - No evidence of incendiary device or intentional act.
  - Work began to return utilities to the pier and develop reopening plan.
- **WEDNESDAY (05/01/24)**
  - City Council ratifies Local Emergency Proclamation
- **FRIDAY (05/03/24)**
  - Initial damage assessments submitted for CDAA reimbursement
- **FRIDAY (05/10/24)**
  - 2 weeks after fire pier reopened just beyond fish washing stations



OCEANSIDE AFTER-ACTION REVIEW

An After-Action Review uses contemplative conversations to create a collective story of what happened that everyone owns as theirs, with the goal of applying changes to improve performance on similar incidents.

In Person-Discussions (76 personnel)

- Initial arriving units (Lifeguard, Fire Engines, Chief Officer).
- Command Team for 1st four hours.
- EOC Management level
- Operations section.

All participant survey (48 returns)

- Distributed to all on the incident
- Focused on role on the incident

SUSTAIN
Effectiveness at addressing challenges of mitigating significant incident.
Concise internal communication and leaders' intent.
Timely, accurate and engaging external communications.
Agile approach to overhauling complicated structures.

IMPROVE
Initial operational organization of Water, Pier, Staging, and Base.
Boat request by capacity and single point coordination.
Refine roles and dedicated responsibilities within activation of EOC

AAR FINDINGS - OVERALL EFFECTIVENESS

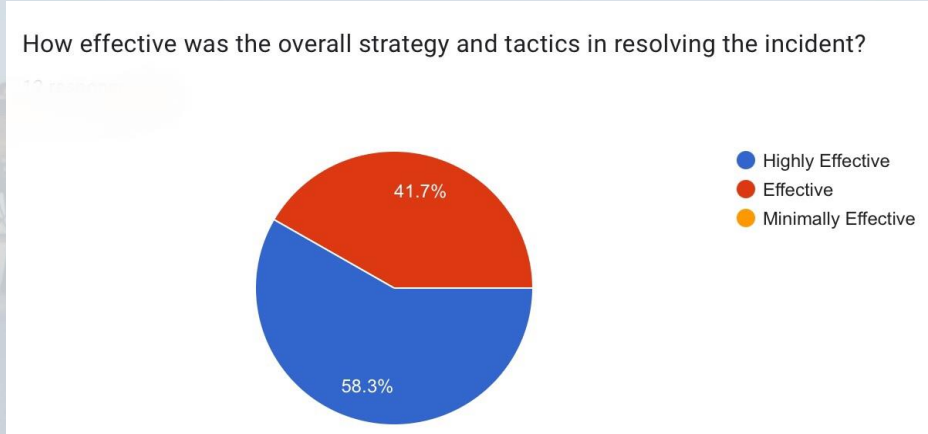
Effective incident management is crucial for maintaining organizational resilience and minimizing disruption.

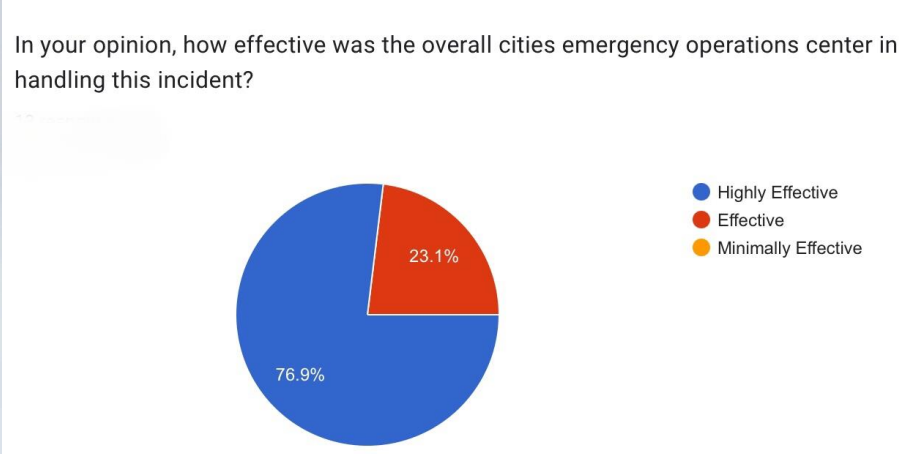
- ✓ **Overall feedback from in person and survey reflected a consensus of proficient and timely engagements at all levels of organizational involvement.**

"The City has good people who are capable of handling emergency situations and maintaining a level head."

"How coordinated the City Departments were working together. It was awesome to see."

"No injuries to public or personnel. The public relations and briefings were executed very well. Clear and unified leadership was demonstrated."





AAR FINDINGS - INTERNAL COMMUNICATION

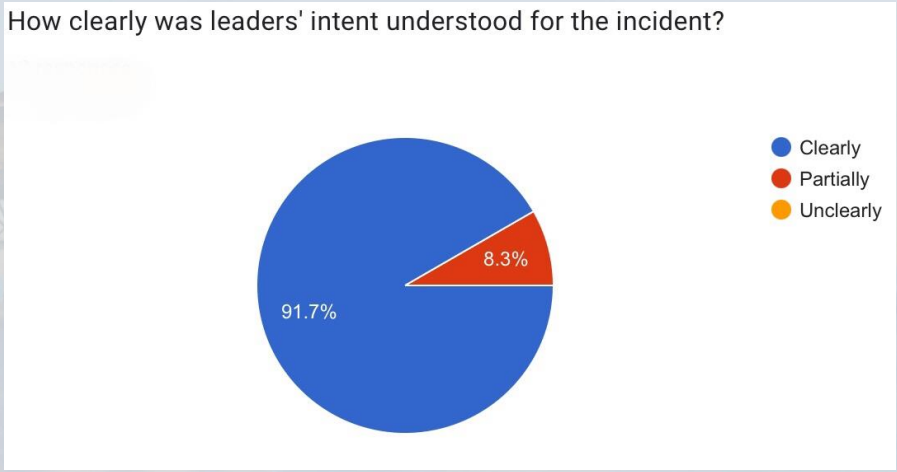
Clear, concise, and timely communication is essential for keeping employees informed and ensuring that everyone knows what actions to take.

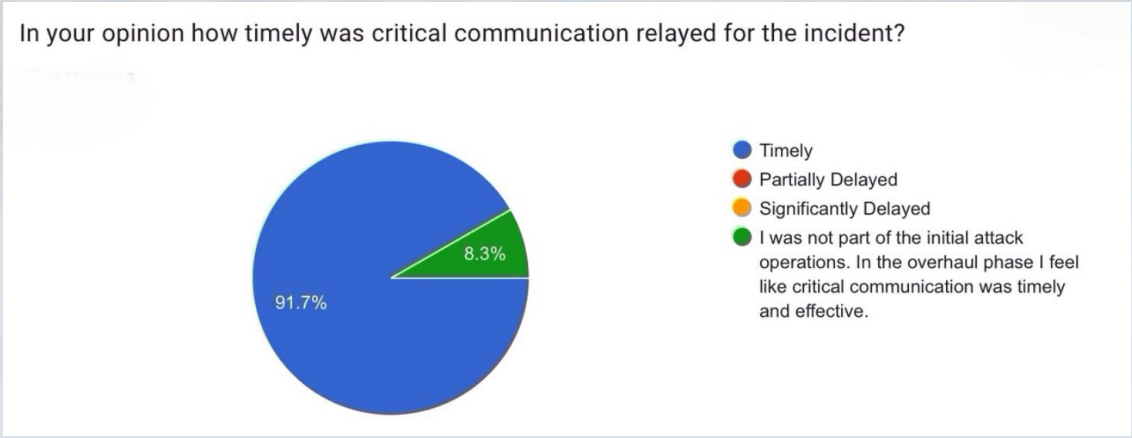
- ✓ **Overall feedback from in person and survey reflected that communication was timely, clear, and actionable.**

"I felt in this case communication was flowing great right from the start and WhatsApp was effective to get the word out to everyone in a timely manner."

"Defensive conditions called early and safety zones established"

"Briefing every time new crews came out on the pier and rescue resources in the water when out on the end."

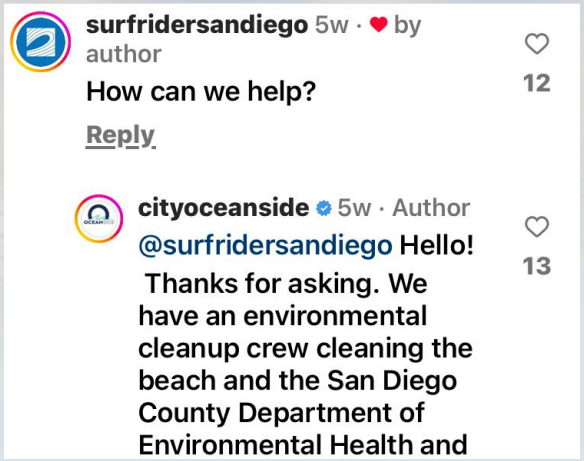


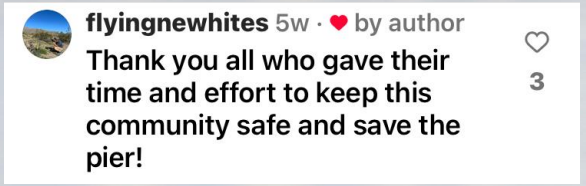


AAR FINDINGS - EXTERNAL COMMUNICATION

Ensuring timely, engaging and accurate public information is essential

- ✓ **Overall feedback from in person, survey and comments received reflects that public information was delivered timely and engaging**





Pier Fire Recap and Reopening

05/02/2024 12:00 PM

Fire Investigation The **fire** investigation remains ongoing, with federal investigators working in tandem with Oceanside **Fire** Department investigators. The fire's area of origin was found to be in the northwest area of the **Pier**. Preliminary investigations indicate an accidental cause.

AAR FINDINGS - OVERHAUL

Overhaul **is checking a fire scene to determine that no fire remains. A close examination ensures that every location where hidden fire could be burning is thoroughly searched, and any potential flare ups are extinguished.**

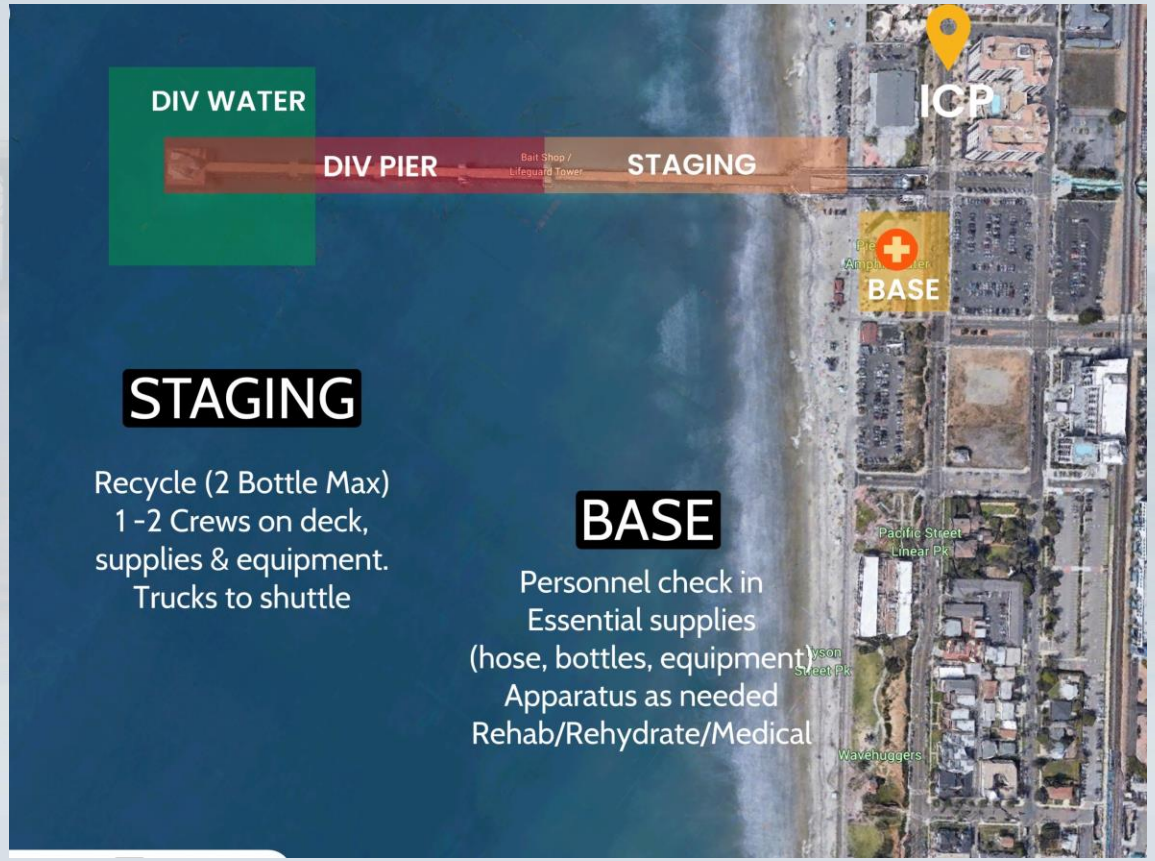
- ✓ **Overall feedback from in person and survey reflected that an agile approach of hit with water, pause, and remove outside coverings proved highly effective in safely overhauling buildings. This included:**
  - ➢ **City Engineer evaluation of pier components.**
  - ➢ **Utilization of thermal camera equipped drones to find hot spots above and under the pier.**
  - ➢ **Alternating water application and demolition was necessary to gain full extinguishment.**
  - ➢ **'Surgical' removal of outside coverings to allow water to penetrate hot, smoldering areas of the building.**
  - ➢ **Maintaining water rescue resources (PWCs, MSU, etc) during any operation beyond the cut.**

AAR SUGGESTIONS - Initial Operations

1. **Initial Organization should have Chief Officers as Pier Division, Water Division, Staging and Base.**

   - ✓ **<u>Pier Div</u> – Defensive structure tactics (large volumes water)**
   - ✓ **<u>Water Div</u> – Suppression under pier and wet victim recovery.**
   - ✓ **<u>Staging</u> - Crews, Recycle of SCBA bottles, water, equipment and personnel shuttling.**
   - ✓ **<u>Base</u> - Apparatus parking, personnel check-in, coordinate logistical needs including food, rehab/rehydrate and medical.**

<u>Desired Impact</u>: Streamline deployment of defensive tactics, reduce non-engaged personnel from clustering along Pier, ensure personnel in critical position to support prolonged operations, reduce impacts of smoke exposure on individuals.



AAR SUGGESTIONS - Marine Resources

2. Boat capacity request and single point coordination of marine resources.

- ✓ **Request through dispatch by capacity -** " # of Boats capable of flowing water/rescuing/de-watering"
- ✓ **<u>Water Div</u> – Non-boat operator as single point of contact focused on directing all on water communications, actions and ensuring water rescue capacity.**

<u>Desired Impact:</u> Single point for communication between vessels, water rescue team, and incident command. Responsible for boat rotations, refueling, and rest/rotations. Identify vessel resources needed and updates incident command on progress.

NOTE: Classification of marine resources in California for mutual aid firefighting is not established. Request for available marine mutual aid resources are limited and likely will take significant time to arrive. Oceanside staffed Marine Safety Unit is designed for rescue, towing, dewatering and small boat fires.

Seal Beach Pier Fire – May 20th, 2016, 1st Hour

Oceanside Pier Fire – April 25th, 2024, 1st Hour

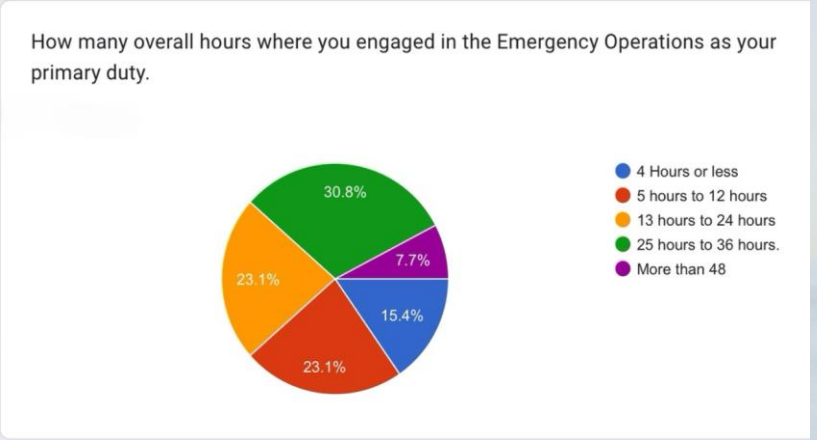
AAR SUGGESTIONS - EOC Operations

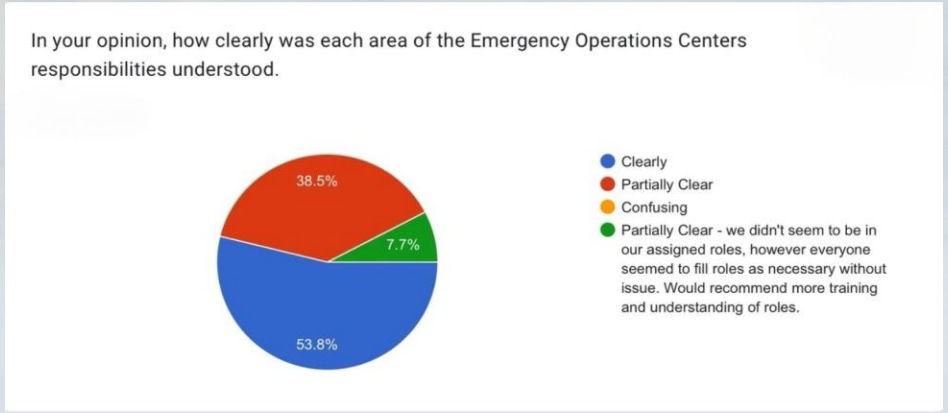
3. Refine roles and dedicated responsibilities with EOC Activation by levels.

- ✓ **Review and align emergency responsibilities with similar city functions.**
- ✓ **Determine who is the proper person is to represent a department or division within the EOC structure.**
- ✓ **Conduct ongoing training to reinforce responsibilities.**

"Need additional training and understanding of roles and responsibilities of staff (non-fire safety)"

"[personnel & departments] did not understand that when emergency is declared that this is their primary responsibility, and it needs to be all hands-on deck."





NOTE: Oceanside transitioned from a Part Time to a fulltime Emergency Manager effective 2024-2025 budget year.

THANK YOU FOR THE TEAMWORK

Essential to success is the strength of professional relationships. Thank you, cooperating partners – automatic aid, mutual aid, and special request

- Oceanside City Staff – EOC personnel
- VFD, CFD, NCFPD, MCP, and other departments that filled Oceanside fire stations while most of our resources were on the incident.
- SD OES, CalOES (FIRIS), SD Fire HazMat, SD County HazMat, SDFD Lifeguards, CalFire, SD Sheriff, SD Metro Arson Strike Team (K9), Port of SD Harbor Police Fireboat
- Bureau of ATF
- Private Industry: SDGE, Manson Construction
- Many more

FY24 SHSP GRANT ALLOCATION UPDATE

County of San Diego Office of Emergency Services

FY 2024 SHSP Proposed Allocation

- Formula was based on an estimate from FY 2022 SHSP Award of $3,210,706 as CoSD OES had yet to receive the SHSP Grant Award letter for SHSP 2023

- Amounts rounded to the nearest dollar

FY 2024 SHSP Proposed Allocation

	Proposal
11 LE Allocation (30%)	$963,213
Other Costs (UDC, 211, HHSA, AlertSanDiego)	$691,857
OES M&A (5%)	$160,535
18 Cities Non-LE Allocation	$559,262
7 Fire Protection Districts/Other Non-LE Allocation	$138,288
County Non-LE Allocation	$697,551
Total Award Amount	***$3,210,706**

**Estimate from FY 2022 SHSP Award and Allocation Proposals and CoSD OES has yet to receive the SHSP Grant Award letter for SHSP 2023.*

**Amounts rounded to the nearest dollar*

FY2024 SHSP Proposed Allocation

FY 2024 STATE HOMELAND SECURITY PROGRAM (SHSP) GRANT ALLOCATION PROPOSAL									
	FY2023 Approved Formula with Award			FY2024 - PROPOSED					
	LE - 30% of FY22 Allocation	Non-LE Allocation	TOTAL	Sworn LE Personnel Figures (2022)	LE - 30% of FY23 Allocation	Non-LE Population (2022)	Non-LE Allocation	TOTAL	% Change from FY2023 to FY2024
2-1-1 SAN DIEGO CONTRACT		100,000	100,000				100,000	100,000	0.00%
AlertSanDiego		350,000	350,000				350,000	350,000	0.00%
COUNTY DEPTS									
UDC SHARE	0	102,357	102,357	-		-	161,857	161,857	58.13%
M&A (5%)	0	160,535	160,535	-		-	160,535	160,535	0.00%
HHSA-EMS	0	80,000	80,000	-			80,000	80,000	0.00%
OES	-	727,301	727,301	-		-	697,551	697,551	-4.09%
SHERIFF	438,676	-	438,676	2,759	438,676	-	-	438,676	0.00%
TOTAL COUNTY DEPTS	438,676	1,070,193	1,508,869	2,759	438,676	-	1,099,943	1,538,619	1.97%
CITIES	LE - 30% of FY22 Allocation	Non-LE Allocation	TOTAL	Sworn LE Personnel Figures (2022)	LE - 30% of FY23 Allocation	Non-LE Population (2022)	Non-LE Allocation	TOTAL	% Change from FY2022 to FY2023
CARLSBAD	20,988	44,776	65,764	132	20,988	115,585	42,827	63,815	-2.96%
CHULA VISTA	44,520	100,248	144,768	280	44,520	276,785	95,584	140,104	-3.22%
CORONADO	7,314	12,666	19,980	46	7,314	22,277	12,291	19,605	-1.88%
DEL MAR	-	6,352	6,352		-	3,929	6,286	6,286	-1.04%
EL CAJON	19,557	41,353	60,910	123	19,557	105,638	39,572	59,129	-2.92%
ENCINITAS	-	26,169	26,169		-	61,515	25,132	25,132	-3.96%
ESCONDIDO	25,281	56,853	82,134	159	25,281	150,679	54,313	79,594	-3.09%
ESCONDIDO RINCON DEL DIABLO	-	4,626	4,626		-		4,399	4,399	-4.91%
IMPERIAL BEACH	-	14,031	14,031		-	26,243	13,589	13,589	-3.15%
LA MESA	11,130	25,810	36,940	70	11,130	60,472	24,791	35,921	-2.76%
LEMON GROVE	-	14,375	14,375		-	27,242	13,915	13,915	-3.20%
NATIONAL CITY	13,992	26,154	40,146	88	13,992	61,471	25,118	39,110	-2.58%
NATIONAL CITY - LINCOLN ACRES	-	534	534		-		508	508	-4.87%
OCEANSIDE	35,775	64,550	100,325	225	35,775	173,048	61,632	97,407	-2.91%
POWAY	-	21,779	21,779		-	48,759	20,957	20,957	-3.77%
SAN DIEGO	323,721	-	323,721	2,036	323,721	-	-	323,721	0.00%
SAN MARCOS	-	37,205	37,205		-	93,585	35,627	35,627	-4.24%
SAN MARCOS FPD	-	4,946	4,946		-		4,704	4,704	-4.89%
SANTEE	-	25,309	25,309		-	59,015	24,314	24,314	-3.93%
SOLANA BEACH	-	9,409	9,409		-	12,812	9,193	9,193	-2.30%
VISTA	-	39,513	39,513		-	100,291	37,822	37,822	-4.28%
VISTA FPD	-	7,033	7,033		-		6,688	6,688	-4.91%
TOTAL CITIES	502,278	583,691	1,085,969	3,159	502,278	1,399,346	559,262	1,061,540	-2.25%
FIRE DISTRICTS/OTHER									
ALPINE FPD	-	10,351	10,351	-		15,550	10,089	10,089	-2.53%
DEER SPRINGS FPD	-	9,204	9,204	-		12,216	8,998	8,998	-2.24%
LAKESIDE FPD	-	26,766	26,766	-		63,251	25,700	25,700	-3.98%
NORTH COUNTY FPD	-	22,375	22,375	-		50,489	21,523	21,523	-3.81%
PORT OF SAN DIEGO	22,260	-	22,260	140	22,260		-	22,260	0.00%
RANCHO SANTA FE FPD	-	17,080	17,080	-		35,103	16,488	16,488	-3.47%
SAN MIGUEL FPD	-	47,360	47,360	-		123,095	45,285	45,285	-4.38%
VALLEY CENTER FPD	-	10,473	10,473	-		15,904	10,205	10,205	-2.56%
TOTAL FIRE DISTRICTS/OTHER	22,260	143,610	165,869	140	22,260	315,608	138,288	160,548	-3.21%
TOTAL ALLOCATIONS	963,214	1,897,494	3,210,706	6,058	963,213	1,714,954	2,247,493	3,210,706	0.00%

FY24 SHSP New Allocation

FY24 SHSP New Allocation = $2,830,483

A. Law Enforcement (LE) allocation:

- 35% allocated to Jurisdictions w/ Police Departments for FY24 SHSP

B. Non-LE allocation:

- 5% for OES (M&A costs)
- Other Costs: **UDC Share**; **HHSA-EMS**; **2-1-1 Contract**; **AlertSanDiego** (Zonehaven)
- City and County Non-LE allocation evenly split
- City share: Base amount of $5,000 allocated to each Jurisdiction
- Remaining City allocated by population

FY 2024 SHSP New Allocation

	New Allocation
11 LE Allocation (35%)	$990,669
Other Costs (UDC, 211, HHSA, AlertSanDiego)	$691,857
OES M&A (5%)	$141,524
18 Cities Non-LE Allocation	$399,390
7 Fire Protection Districts/Other Non-LE Allocation	$103,826
County Non-LE Allocation	$503,217
Total Award Amount	***$2,830,483**

**FY2024 SHSP new allocation*

**Amounts rounded to the nearest dollar*

FY2024 SHSP New Allocation

FY 2024 STATE HOMELAND SECURITY PROGRAM (SHSP) GRANT ALLOCATION PROPOSAL									
JURISDICTION	FY2023 Approved Formula with Award			FY2024 - FINAL					
	LE - 30% of FY23 Allocation	Non-LE Allocation	TOTAL	Sworn LE Personnel Figures (2023)	LE - 35% of FY24 Allocation	Non-LE Population (2023)	Non-LE Allocation	TOTAL	% Change from FY2023 to FY2024
2-1-1 SAN DIEGO CONTRACT		100,000	100,000				100,000	100,000	0.00%
AlertSanDiego		350,000	350,000				350,000	350,000	0.00%
COUNTY DEPTS									
UDC SHARE		102,357	102,357	-		-	161,857	161,857	58.13%
M&A (5%)		160,535	160,535	-		-	141,524	141,524	-11.84%
HHSA-EMS		80,000	80,000	-			80,000	80,000	0.00%
OES		727,301	727,301	-		-	503,217	503,217	-30.81%
SHERIFF	438,676	-	438,676	2,460	424,795	-	-	424,795	-3.16%
TOTAL COUNTY DEPTS	438,676	1,070,193	1,508,869	2,460	424,795	-	886,598	1,311,393	-13.09%
CITIES	LE - 30% of FY23 Allocation	Non-LE Allocation	TOTAL	Sworn LE Personnel Figures (2023)	LE - 35% of FY24 Allocation	Non-LE Population (2023)	Non-LE Allocation	TOTAL	% Change from FY2023 to FY2024
CARLSBAD	20,988	44,776	65,764	132	22,794	114,549	29,980	52,774	-19.75%
CHULA VISTA	44,520	100,248	144,768	281	48,523	274,784	64,922	113,445	-21.64%
CORONADO	7,314	12,666	19,980	46	7,943	22,150	9,830	17,773	-11.05%
DEL MAR	-	6,352	6,352	-	-	3,903	5,851	5,851	-7.89%
EL CAJON	19,557	41,353	60,910	124	21,412	104,619	27,815	49,227	-19.18%
ENCINITAS	-	26,169	26,169	-	-	61,085	18,321	18,321	-29.99%
ESCONDIDO	25,281	56,853	82,134	159	27,456	149,799	37,668	65,124	-20.71%
ESCONDIDO RINCON DEL DIABLO	-	4,626	4,626	-	-	13,175	2,873	2,873	-37.89%
IMPERIAL BEACH	-	14,031	14,031	-	-	25,864	10,640	10,640	-24.17%
LA MESA	11,130	25,810	36,940	70	12,088	60,418	18,176	30,264	-18.07%
LEMON GROVE	-	14,375	14,375	-	-	27,420	10,980	10,980	-23.62%
NATIONAL CITY	13,992	26,154	40,146	88	15,196	60,974	18,297	33,493	-16.57%
NATIONAL CITY - LINCOLN ACRES	-	534	534	-	-	1,530	335	335	-37.27%
OCEANSIDE	35,775	64,550	100,325	219	37,817	171,063	42,305	80,122	-20.14%
POWAY	-	21,779	21,779	-	-	48,483	15,573	15,573	-28.50%
SAN DIEGO	323,721	-	323,721	2,036	351,578	-	-	351,578	8.61%
SAN MARCOS	-	37,205	37,205	-	-	94,530	25,615	25,615	-31.15%
SAN MARCOS FPD	-	4,946	4,946	-	-	14,889	3,247	3,247	-34.35%
SANTEE	-	25,309	25,309	-	-	59,227	17,916	17,916	-29.21%
SOLANA BEACH	-	9,409	9,409	-	-	12,784	7,788	7,788	-17.23%
VISTA	-	39,513	39,513	-	-	99,835	26,772	26,772	-32.25%
VISTA FPD	-	7,033	7,033	-	-	20,570	4,486	4,486	-36.21%
TOTAL CITIES	502,278	583,691	1,085,969	3,155	544,807	1,441,651	399,390	944,197	-13.05%
FIRE DISTRICTS/OTHER									
ALPINE FPD		10,351	10,351	-	-	15,550	8,391	8,391	-18.94%
DEER SPRINGS FPD		9,204	9,204	-	-	12,216	7,664	7,664	-16.73%
LAKESIDE FPD		26,766	26,766	-	-	63,251	18,794	18,794	-29.78%
NORTH COUNTY FPD		22,375	22,375	-	-	50,489	16,010	16,010	-28.45%
PORT OF SAN DIEGO	22,260	-	22,260	122	21,067	-	-	21,067	-5.36%
RANCHO SANTA FE FPD		17,080	17,080	-	-	35,103	12,655	12,655	-25.91%
SAN MIGUEL FPD		47,360	47,360	-	-	123,095	31,844	31,844	-32.76%
VALLEY CENTER FPD		10,473	10,473	-	-	15,904	8,468	8,468	-19.14%
TOTAL FIRE DISTRICTS/OTHER	22,260	143,609	165,869	122	21,067	315,608	103,826	124,893	-24.70%
TOTAL ALLOCATIONS	963,213	2,247,493	3,210,706	5,737	990,669	1,757,259	1,839,814	2,830,483	-11.84%

FY 2024 SHSP Proposed and New Allocation

	FY24 PROPOSED ALLOCATION	FY24 NEW ALLOCATION	VARIANCE	% CHANGE
11 LE Allocation	$ 963,213	$ 990,669	$ 27,456	2.85%
Other Costs (UDC, 211, HHSA, AlertSanDiego)	$ 691,857	$ 691,857	$ -	0.00%
OES M&A (5%)	$ 160,535	$ 141,524	$ (19,011)	-11.84%
18 Cities Non-LE Allocation	$ 559,262	$ 399,390	$ (159,872)	-28.59%
7 Fire Protection Districts/Other Non-LE Allocation	$ 138,288	$ 103,826	$ (34,462)	-24.92%
County Non-LE Allocation	$ 697,551	$ 503,217	$ (194,334)	-27.86%
Total Award Amount	**$ 3,210,706**	**$ 2,830,483**	**$ (380,223)**	**-11.84%**

**Amounts rounded to the nearest dollar*

Questions?