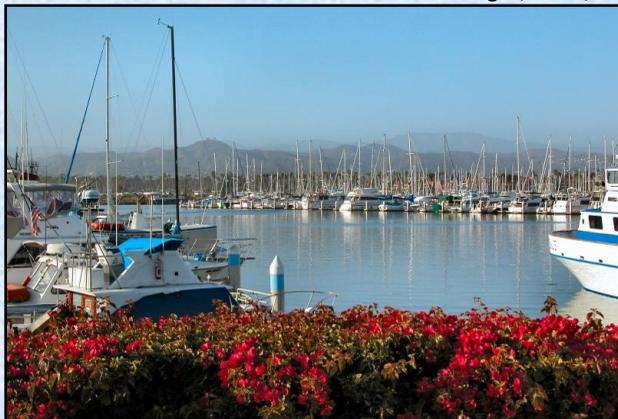


NOAA Weather Radio - continuous broadcast of the latest buoy and weather observations, forecasts, statements, and warnings - available on most marine band radios

Wx Band	Frequency	Call Sign	Location
Weather 5	162.450 MHz	WWF-64	Monterey (<i>marine</i>)
Weather 7	162.525 MHz	WNG-592	Hearst Castle (<i>marine</i>)
Weather 1	162.550 MHz	KIH-31	San Luis Obispo
Weather 3	162.475 MHz	WWF-62	Santa Barbara (<i>marine</i>)
Weather 2	162.400 MHz	KIH-34	Santa Barbara
Weather 1	162.550 MHz	KWO-37	Mount Lukens (L.A.)
Weather 4	162.425 MHz	KWL-22	Malibu (<i>marine</i>)
Weather 7	162.525 MHz	WNG-584	Avalon (<i>marine</i>)
Weather 5	162.450 MHz	WWG-21	Santa Ana (<i>marine</i>)
Weather 2	162.400 MHz	KEC-62	San Diego
Weather 4	162.425 MHz	WNG-637	San Diego (<i>marine</i>)



NOAA Web Sites - Find all the information contained in this brochure, as well as additional resources, by visiting:

NWS Los Angeles/Oxnard
<http://www.weather.gov/losangeles>

NWS Monterey
<http://www.weather.gov/sanfrancisco>

NWS San Diego
<http://www.weather.gov/sandiego>

NWS for Mobile Devices
<http://www.weather.gov/losangeles/mobile>

Ocean Prediction Center
<http://www.opc.ncep.noaa.gov>

National Data Buoy Center
<http://www.ndbc.noaa.gov>

National Tsunami Warning Center
<http://ntwc.arh.noaa.gov/>

Tides Online
<http://tidesandcurrents.noaa.gov>

Slides & Links From Marine Presentations
<http://www.weather.gov/losangeles/mp.php>

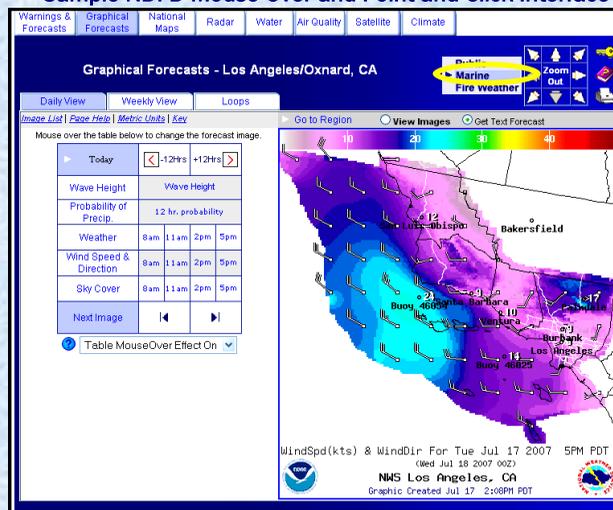
National Digital Forecast Database (NDFD) marine graphics for SW California and adjacent waters -

<http://www.weather.gov/forecasts/graphical>

Click on southwestern California to zoom in.

Then Click on Marine (see yellow circle below)

Sample NDFD Mouse-Over and Point-and-Click Interface



NDBC Dial-a-Buoy
1-888-701-8992

Use the buoy number below when prompted to

SOUTHERN CALIFORNIA WEATHER BUOYS

Buoy #	Lat/Long	Location
46028	35°44'13" N 121°53'19" W	Cape San Martin
46215*	35°12'13" N 120°51'36" W	Diablo Canyon
46011	35°00'00" N 120°59'30" W	Santa Maria
46218*	34°27'02" N 120°46'07" W	Harvest Platform
46054	34°16'08" N 120°26'54" W	W Santa Barbara Ch
46053	34°14'10" N 119°51'00" W	E Santa Barbara Ch
46216*	34°20'01" N 119°48'13" W	Goleta Point
46217*	34°10'02" N 119°26'05" W	Anacapa Passage
46025	33°44'42" N 119°05'02" W	Santa Monica Basin
46221*	33°51'16" N 118°37'59" W	Santa Monica Bay
46222*	33°37'04" N 118°19'01" W	San Pedro Channel
46253*	33°34'40" N 118°11'04" W	San Pedro Cnl South
46223*	33°27'30" N 117°46'00" W	Dana Point
46069	33°39'00" N 120°12'00" W	S. Santa Rosa Island
46047	32°26'00" N 119°31'59" W	Tanner Bank
46086	32°29'54" N 117°59'57" W	San Clemente Basin

* Waverider buoys are owned and maintained by SCRIPPS.
 Wind data not available. Buoys may be removed at anytime.

NWS Mission

The National Weather Service provides weather, water, and climate forecasts and warnings for the United States, its territories, adjacent waters, and ocean areas for the protection of life and property and the enhancement of the national economy.

MARINE WEATHER SERVICES

The mission of the NWS Marine Weather Services is to improve efficiency and safety for commercial, governmental, and recreational maritime operations on the high seas and along the coasts of the United States. The National Weather Service has statutory responsibility for the forecasting of weather, the issuing of storm warnings, and the collection and transmission of marine information for the benefit of commerce and navigation.



**NOAA National Weather Service
 Forecast Office
 520 North Elevar Street
 Oxnard, CA 93030**

**Phone: (805) 988-6610
 Fax: (805) 988-6613
 Automated Forecasts: (805) 988-6610 x1
 Email: w-lox.webmaster@noaa.gov**

Cover photo: Thunderstorm off the coast of San Clemente, CA on 08/26/2007; copyright © 2007 Christian Snyder— used with permission. Brochure Version: Nov2014

National Weather Service

Los Angeles/Oxnard

**MARINE
 WEATHER
 SERVICES**

WWW.WEATHER.GOV/LOSANGELES



Marine Products and Services



MARINE PRODUCTS

COASTAL WATERS FORECAST (CWF)

The Coastal Waters Forecast is a routine product issued four times daily at **3:00 am, 9:00 am, 3:00 pm and 9:00 pm** year-round. It is the general forecast for the coastal waters out to 60 nautical miles offshore. The Coastal Waters Forecast includes information about **wind, wave, swell, and significant weather** (including fog, rain or showers, and thunderstorms). Any advisories or warnings, such as a Small Craft Advisory or a Gale Warning, will be highlighted within this product with a "headline."

SPECIAL MARINE WARNING (SMW)

The Special Marine Warning is used for short-term **severe weather** of approximately two hours or less. It is issued for short duration yet sustained winds of 34 knots or greater, significant hail, or funnel clouds/waterspouts. Special Marine Warnings are updated with Marine Weather Statements.

MARINE WEATHER STATEMENT

The Marine Weather Statement (MWS) is a general purpose statement issued at any time as necessary for a variety of purposes including:

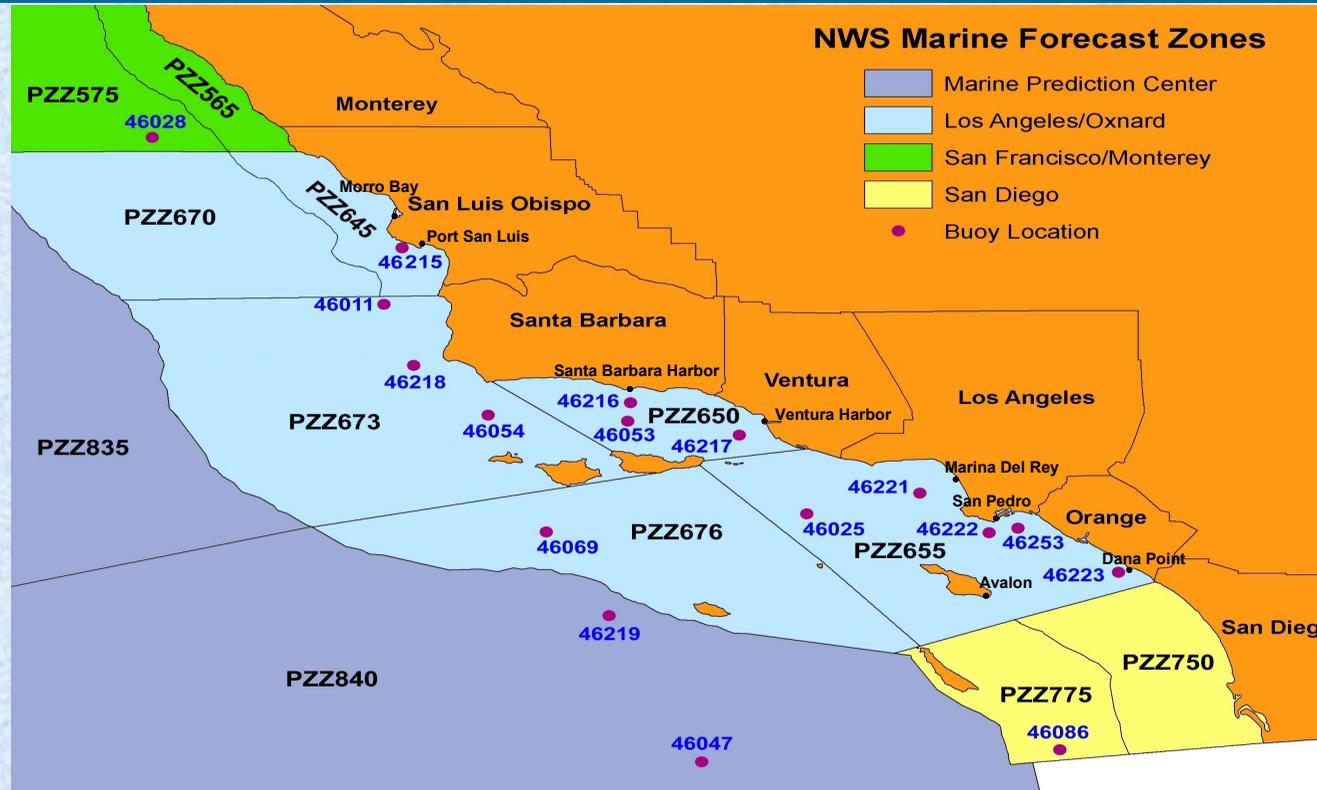
- Update Special Marine Warnings
- General thunderstorm activity or outlooks
- Significant marine conditions like dense fog, hazardous material spills, or tsunami
- To describe short duration but potentially hazardous conditions
- Significant weather conditions expected in the next 3 to 7 days like an approaching storm, possible gales, or a large swell.

SURF ZONE FORECAST

The Surf Zone Forecast is a surf forecast for Southern California beaches which includes surf height, rip current potential, water temperature, and an outlook for the following day. The forecast is issued twice each day at 2:00 am and 2:00 pm.

COASTAL HAZARD MESSAGE

Coastal Hazard Messages include Coastal Flood Watches, Warnings, Advisories, and Statements for coastal flooding due to strong storms, winds, swell, and/or high astronomical tides. Coastal Hazard Messages are also issued for High Surf Advisories and above normal surf conditions.



Coastal Waters Forecast Zones issued by NWS San Francisco/Monterey (partial listing):

- PZZ565** Pigeon Pt to Pt Piedras Blancas out to 10 nm
- PZZ575** Pigeon Pt to Pt Piedras Blancas 10 to 60 nm

Coastal Waters Forecast Zones issued by NWS Los Angeles/Oxnard:

- PZZ645** Pt Piedras Blancas to Pt Sal out to 10 nm
- PZZ670** Pt Piedras Blancas to Pt Sal from 10 to 60 nm
- PZZ673** Pt Sal to Santa Cruz Island out to 60 nm including San Miguel and Santa Rosa Islands
- PZZ676** Outer Waters from Santa Cruz Island to San Clemente Island including San Nicolas Island
- PZZ650** East Santa Barbara Channel from Pt Conception To Pt Mugu including Santa Cruz Island
- PZZ655** Inner Waters from Pt Mugu to San Mateo Pt including Santa Catalina Is

Coastal Waters Forecast Zones issued by NWS San Diego:

- PZZ750** Coastal Waters from San Mateo Point to the Mexican Border out to 30 nm
- PZZ775** Waters from San Mateo Point to the Mexican Border extending 30 to 60 nm out including San Clemente Island

Offshore Marine Forecast zones issued by the Ocean Prediction Center, Washington DC:

- PZZ835** Point Piedras Blancas to Santa Cruz Island, CA between 60 NM and 150 NM offshore
- PZZ840** Santa Cruz Island, CA to San Clemente Island, CA between 60 NM and 150 NM offshore

Headlines for Advisories and Warnings in Coastal Waters Forecast

SMALL CRAFT ADVISORY	Winds of 21 to 33 knots. -and/or- Hazardous Seas (10 ft and greater or very steep seas)
GALE WARNING or WATCH	Winds of 34 to 47 knots
STORM WARNING or WATCH	Winds of 48 to 63 knots.
TROPICAL STORM WARNING or WATCH	Winds of 34 to 63 knots associated with a tropical storm
HURRICANE WARNING or WATCH	Winds of 64 knots or higher associated with a hurricane
HURRICANE FORCE WIND WARNING or WATCH	Winds of 64 knots or higher NOT associated with a hurricane.

Watch / Warning / Advisory Philosophy (What is the difference?)

WATCH

Life and/or property threatening weather is possible in the next 12-72 hours. Conditions are favorable, but there is some uncertainty. Take precautions now.

WARNING

Life and/or property threatening weather is imminent or occurring. Take immediate action!

ADVISORY

Nuisance-level weather is imminent or occurring. A non-life threatening event, but may cause problems if precautions are not taken.