



National Weather Service Los Angeles / Oxnard, California

National Weather Service

Our Role in the Under Keel Clearance (UKC) Project

Ryan Kittell - Meteorologist

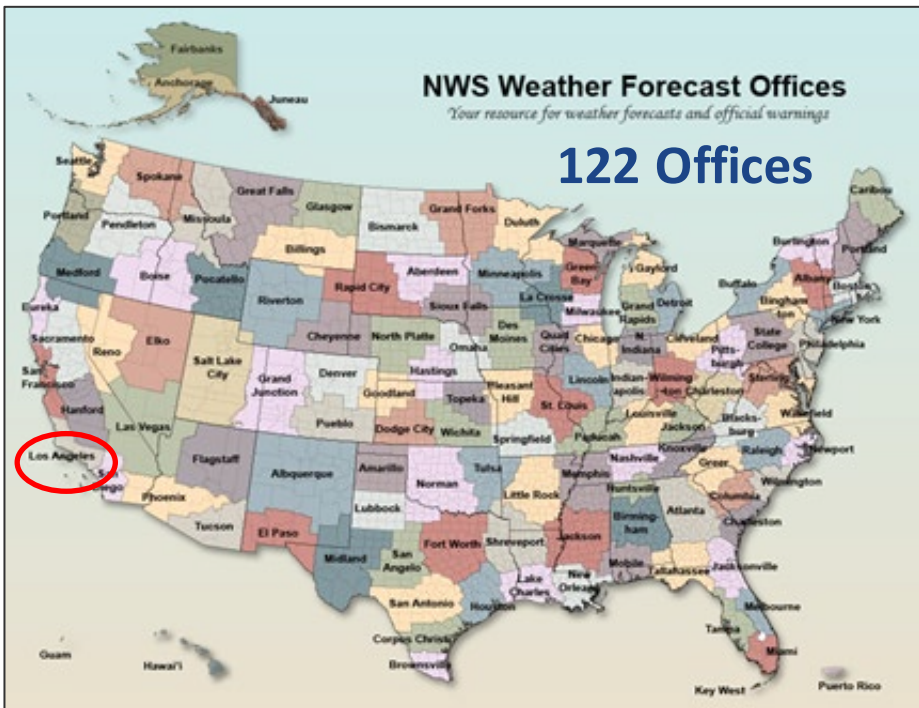
Weather Forecast Office Los Angeles / Oxnard



National Weather Service - LOX



National Weather Service Los Angeles / Oxnard, California



Weather Forecast Office Los Angeles / Oxnard (WFO LOX)

Covering Los Angeles, Ventura, Santa Barbara, San Luis Obispo Counties + adjacent coastal waters out to 60 nautical miles

Our Mission: Protect life and property, and enhance the national economy.

Our Strategy: Give decision makers the best information, in the best way, so that they can make the best weather-related decisions.

- Integrated Decision Support Services (IDSS)



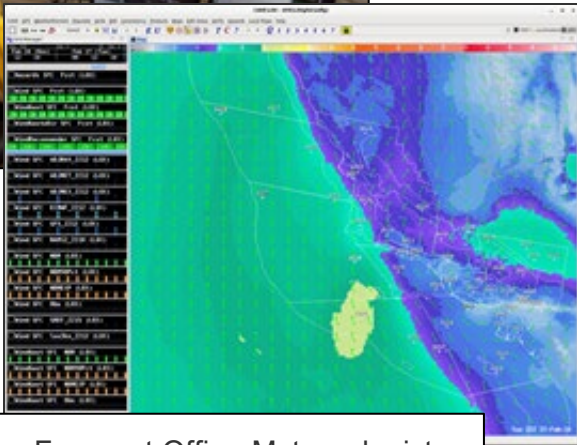
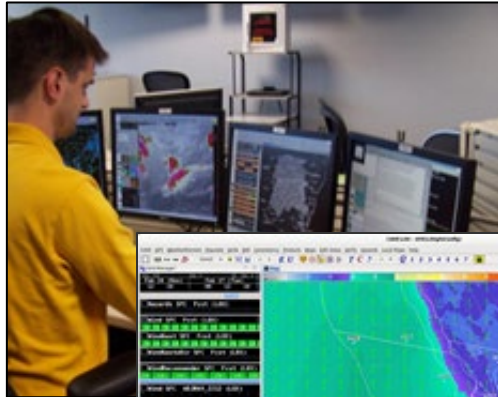
Nearshore Wave Prediction System



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Decision makers include mariners like port pilots and captains

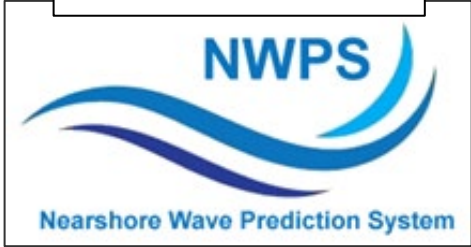
Supporting the dynamic Under Keel Clearance (UKC) Project fits into that strategy



Weather Forecast Office Meteorologists
Create gridded wind forecast



Very high resolution wave
forecast dataset
Used by Charta/Protide



Weather and Climate
Operational Supercomputing
System (WCOSS)



Nearshore Wave Prediction System



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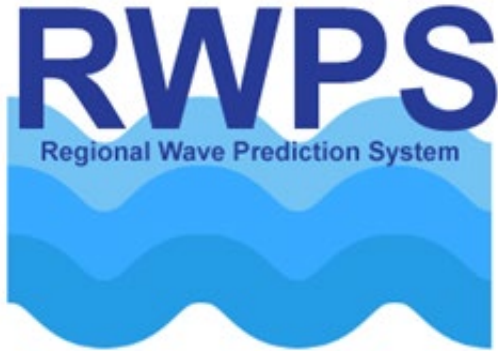


NWPS History

NWPS has been around for 10+ years

The original developer of NWPS, Andre Van der Westhuysen, left in 2022

NWPS development has been frozen since 2023



NWPS Future

RWPS is under development to replace NWPS (2025-26)

Expands coverage from just nearshore to offshore and the high seas

Removes local weather forecast office from process - updates every 3 hrs