

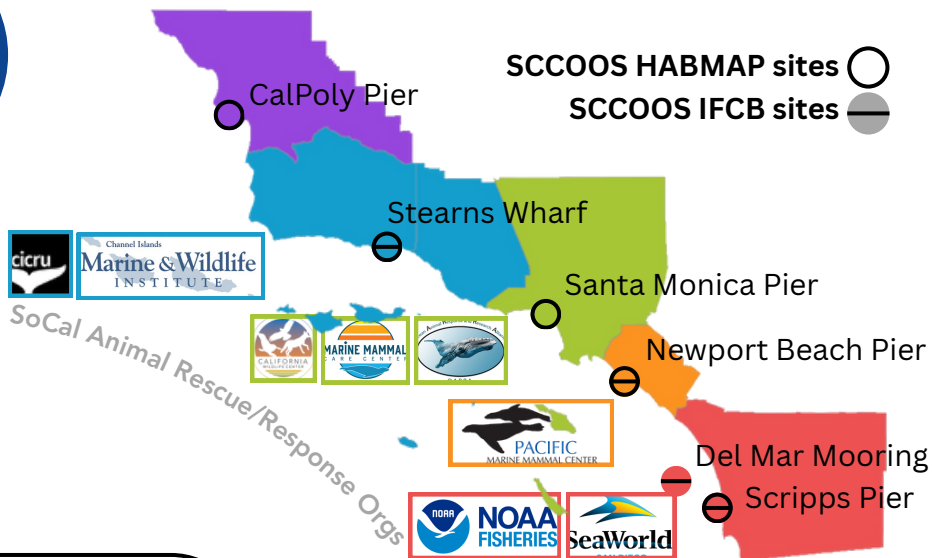


2025 HAB Update

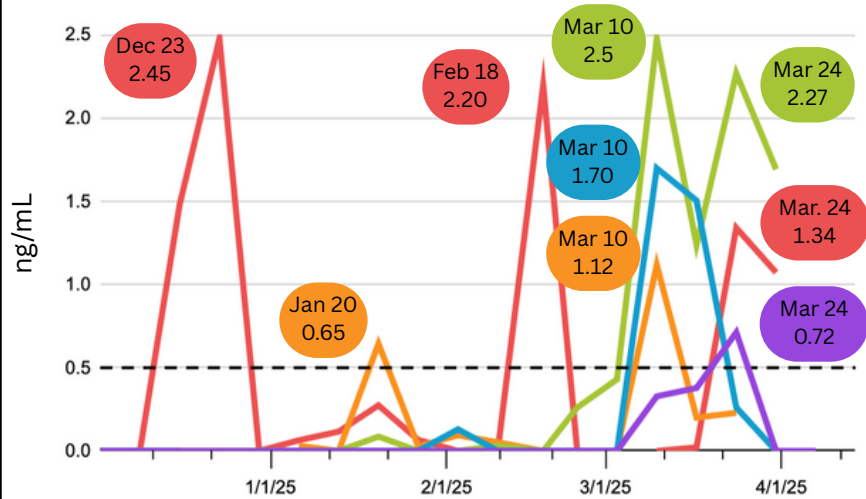
(Updated April 14, 2025)

All Data are grouped by County:

- San Luis Obispo County
- Ventura & Santa Barbara County
- Los Angeles County
- Orange County
- San Diego County
- Threshold of Concern

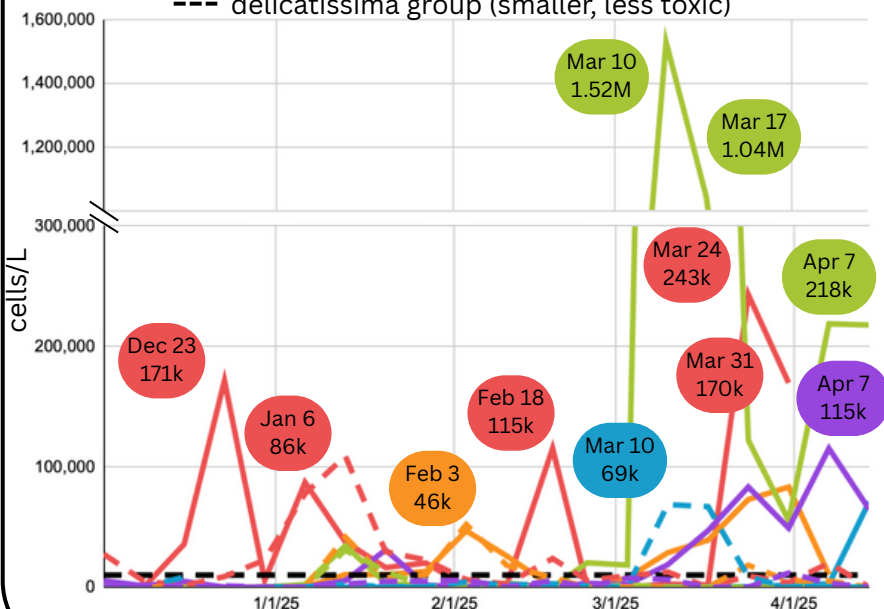


HABMAP Particulate Domoic Acid



HABMAP *Pseudo-nitzschia* spp.

- seriata group (larger, more toxic group)
- delicatissima group (smaller, less toxic)



Data: SCCOOS HAB Monitoring Alert Program (HABMAP)

Photo: Channel Islands Marine & Wildlife Institute



Photo: Channel Islands Cetacean Research Unit

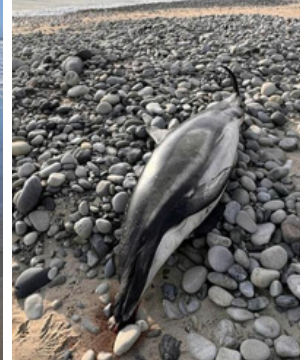
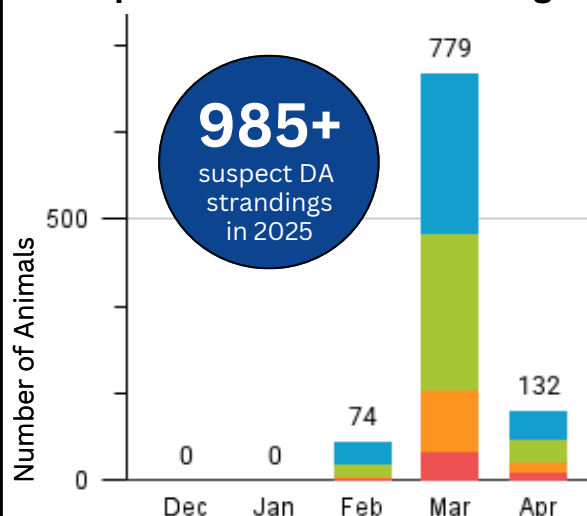


Photo: Channel Islands Marine & Wildlife Institute

Marine Mammal Rescue Centers Suspect Domoic Acid Strandings



Data: SeaWorld, NOAA Fisheries, PMMC, MMCC-LA, CWC, OARRA, CIMWI, CICRU



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CalPoly Pier

SCCOOS HABMAP sites ○
SCCOOS IFCB sites ●

Stearns Wharf

Santa Monica Pier

Newport Beach Pier

Del Mar Mooring

Scripps Pier



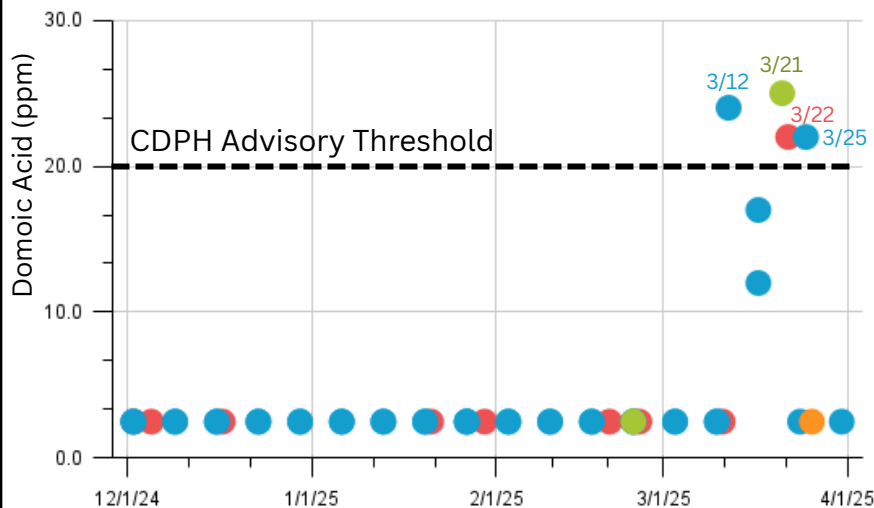
5

DA Shellfish
Advisories
in 2025

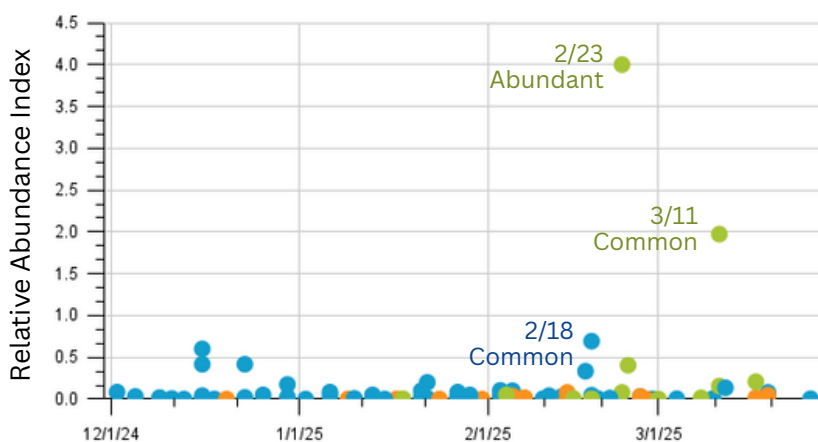
4

PSP Shellfish
Advisories
in 2025

Domoic Acid Biotoxin Detected in Bivalve Shellfish



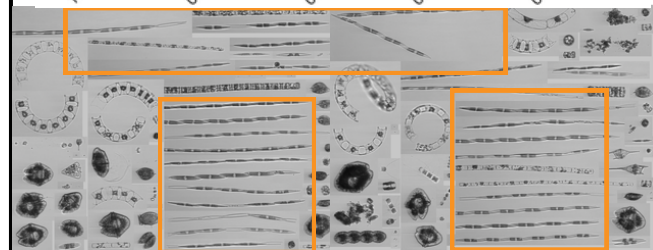
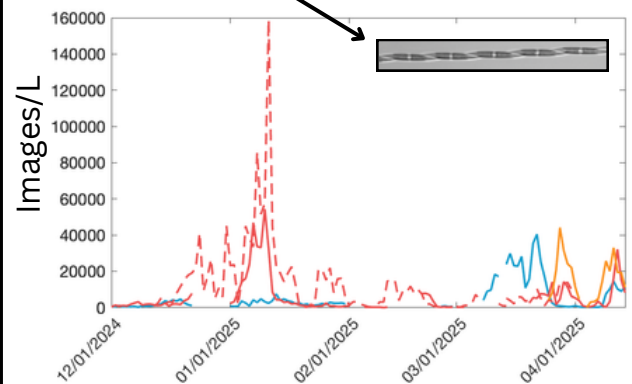
Relative Abundance of *Pseudo-nitzschia* spp.



Data: CDPH Environmental Management Branch



Imaging FlowCytobot
(IFCB; Robotic Microscope)
Chains of *Pseudo-nitzschia* spp.



Mar 27 IFCB Images at Newport Beach Pier

(Example *Pseudo-nitzschia* spp. chains highlighted)

Data: SCCOOS Imaging FlowCytobot Network