

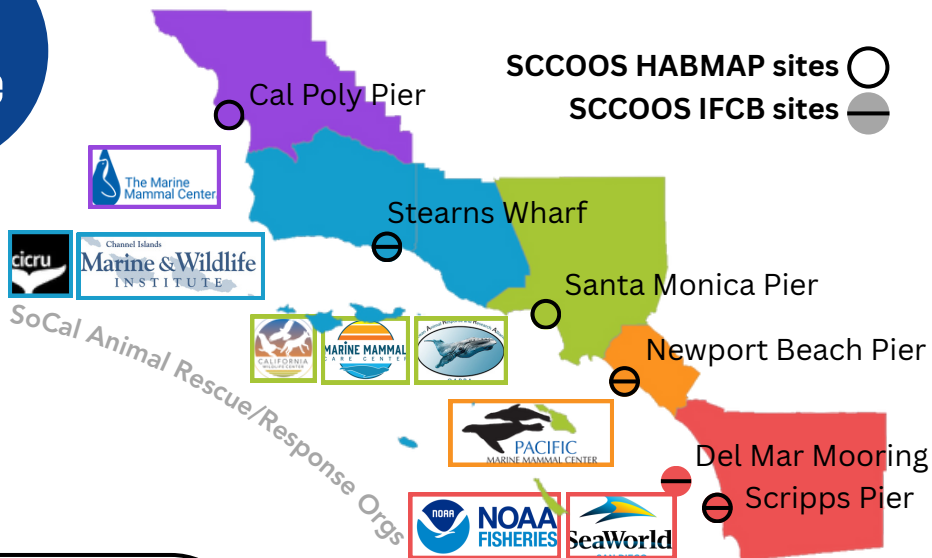


Domoic Acid HAB Update

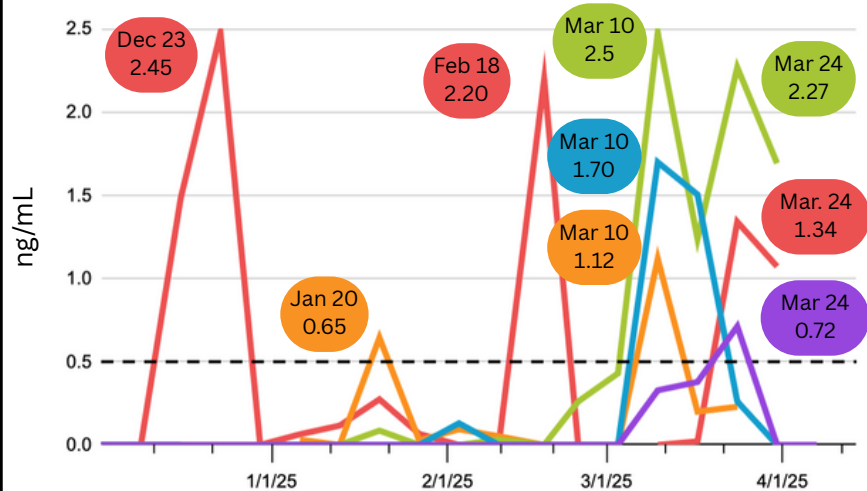
(Updated April 30, 2025)

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

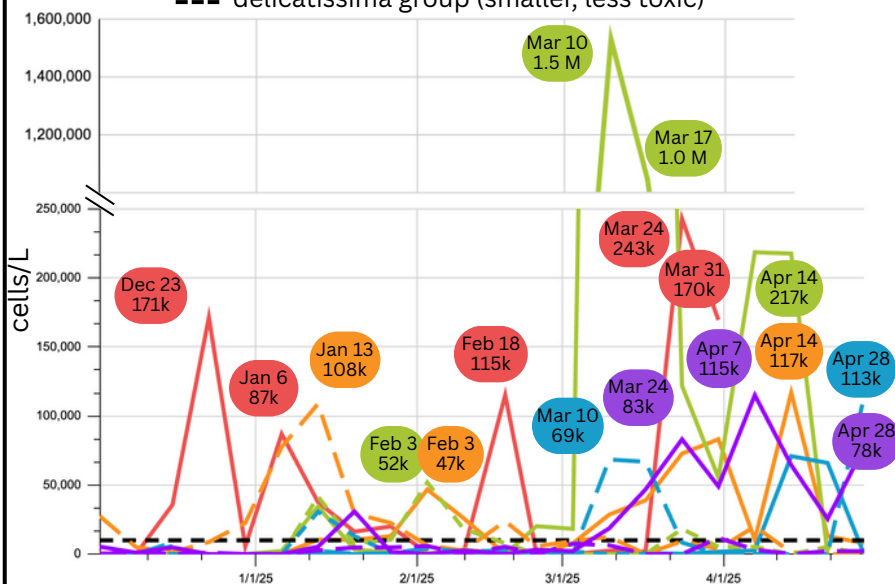


HABMAP Particulate Domoic Acid



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

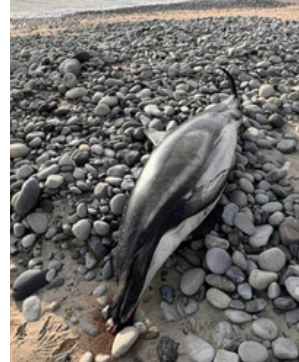
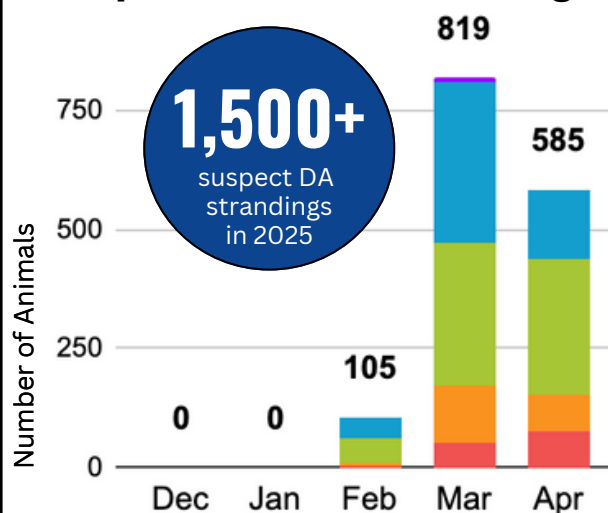


Photo: Channel Islands Marine & Wildlife Institute

Marine Mammal Rescue Centers Suspect Domoic Acid Strandings



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

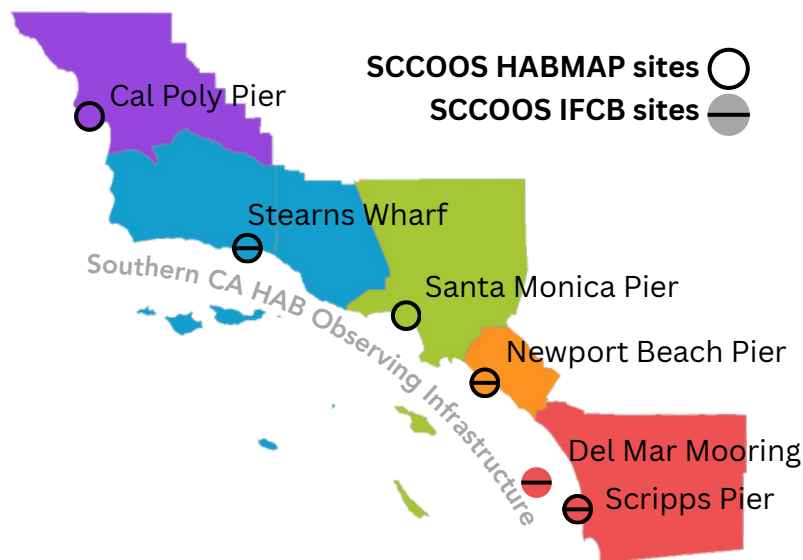


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California Department of Public Health

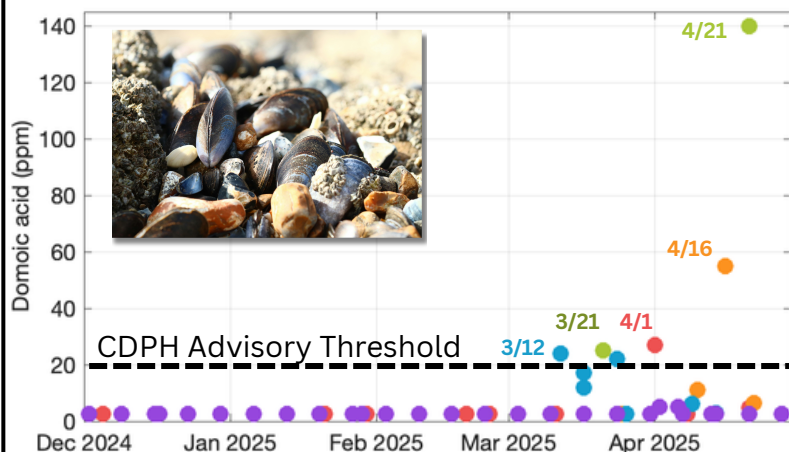
5

DA Shellfish Advisories in 2025

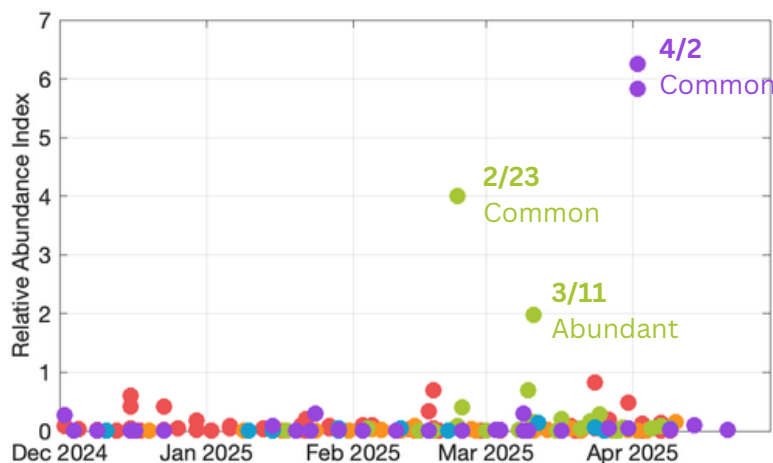
4

PSP Shellfish Advisories in 2025

Domoic Acid Biotxin Detected in Bivalve Shellfish



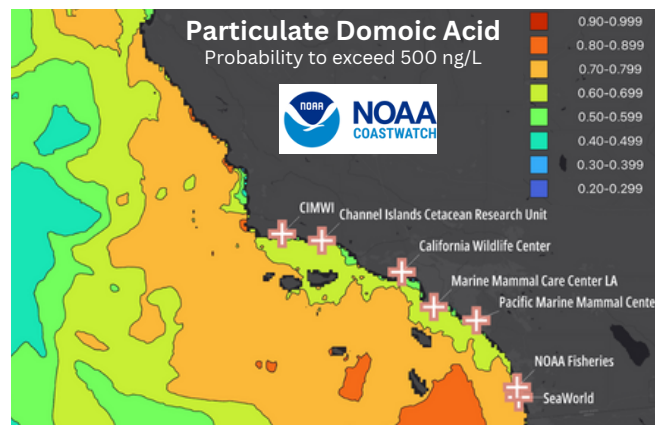
Relative Abundance of Pseudo-nitzschia spp.



Data: CDPH Environmental Management Branch

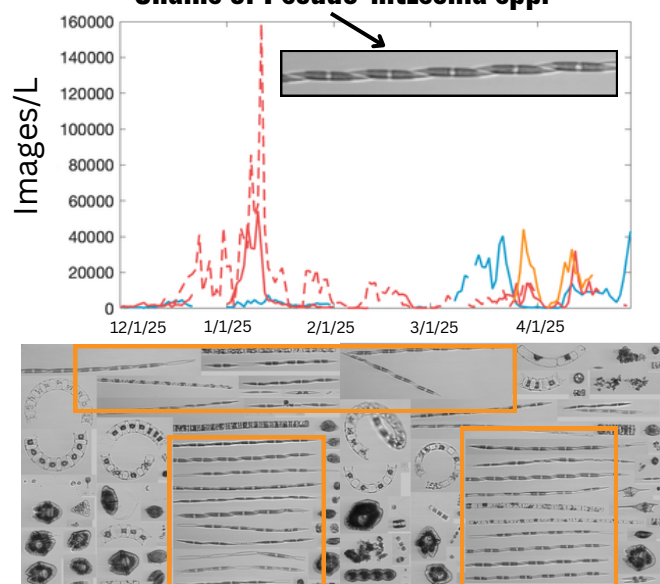


C-HARM Domoic Acid Forecast Model



NOAA Coastwatch C-HARM model predicted probability of particulate domoic acid output for 3/19/25-4/19/25

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