



Harmful Algal Blooms

Algae ranging from microscopic, single-celled organisms to large seaweeds

- Toxic forms can kill fish, mammals, and birds, and cause human illness.
- Nontoxic forms can clog fish gills or smother corals and submerged aquatic vegetation.
- Others discolor water, form huge piles on beaches, cause water and fish to taste bad.

Harmful Algal Bloom Impacts

- Paralytic Shellfish Poisoning (PSP)
- Neurotoxic Shellfish Poisoning (NSP)
- Amnesic Shellfish Poisoning (ASP)
- Diarrhetic Shellfish Poisoning (DSP)
- Azaspiracid Shellfish Poisoning (AZP)
- Ciguatera Fish Poisoning (CFP)
- Freshwater toxins (drinking water, recreation)
- Noxious blooms (aesthetics)
- Fish mortalities (wild and farmed)
- Desalination plant closures
- Macroalgal blooms











September 3, 2011

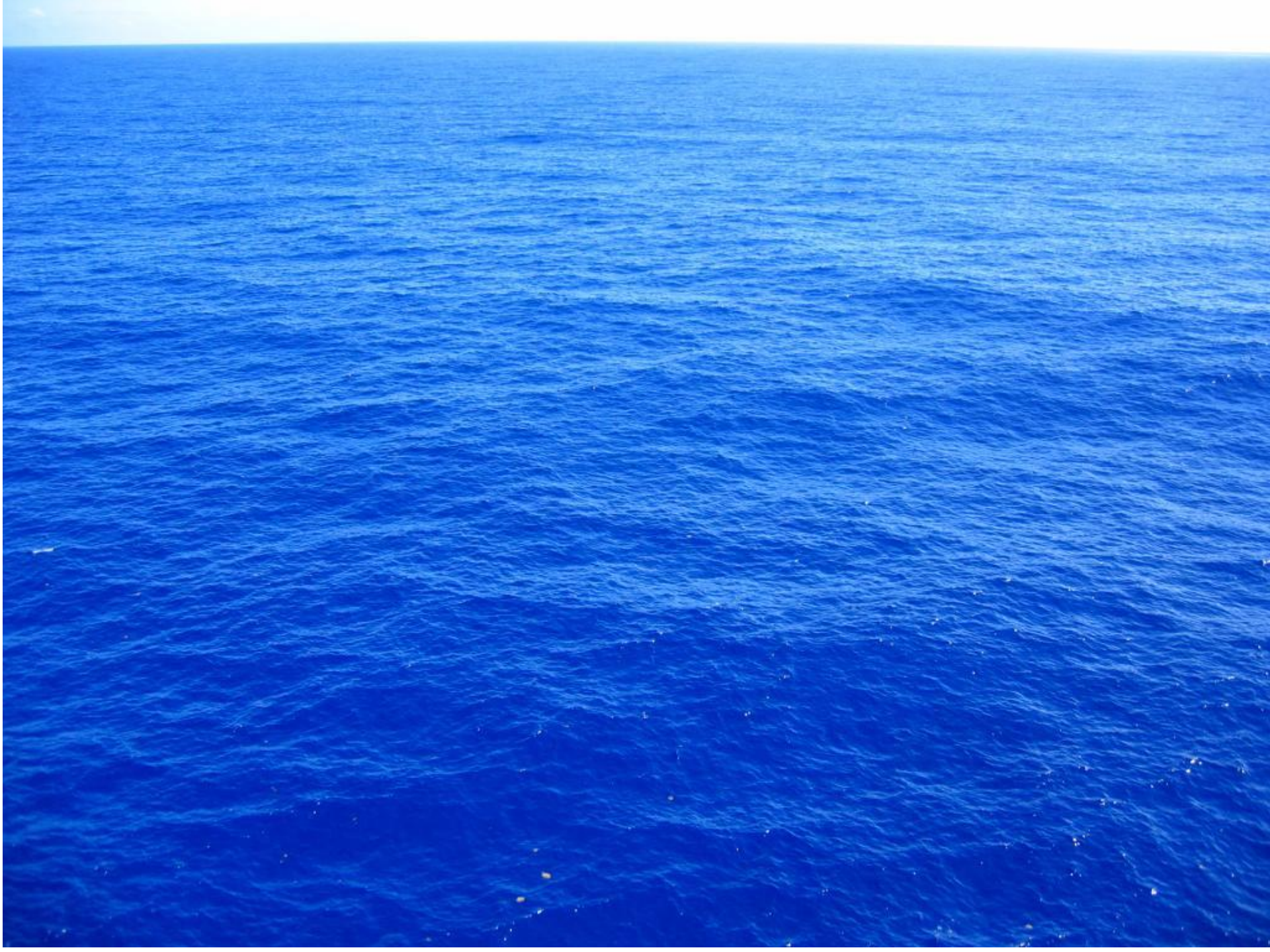


October 9, 2011

Photo: NOAA Satellite Image



Photo: Richard Kraus, United States Geological Survey

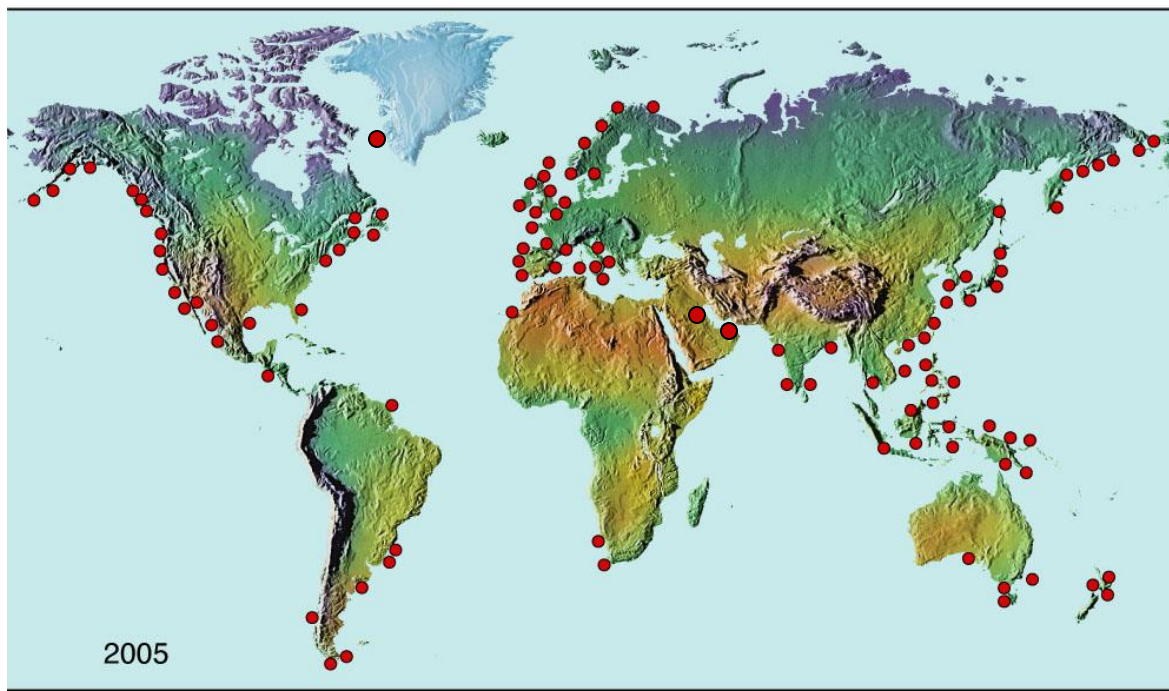
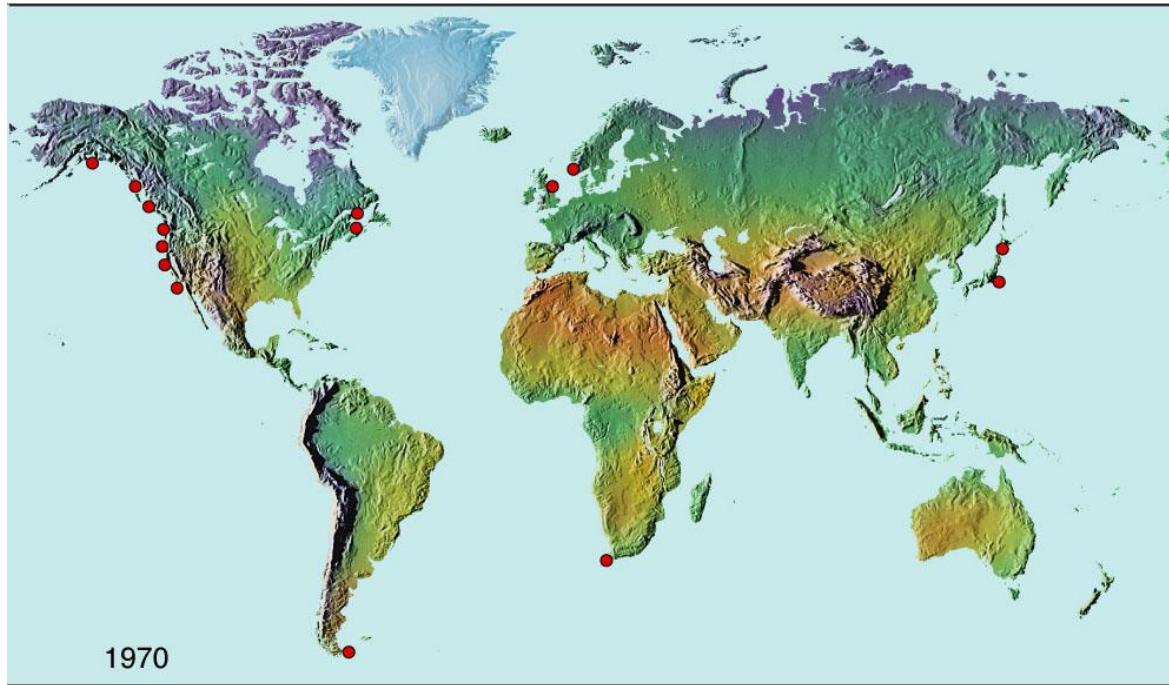




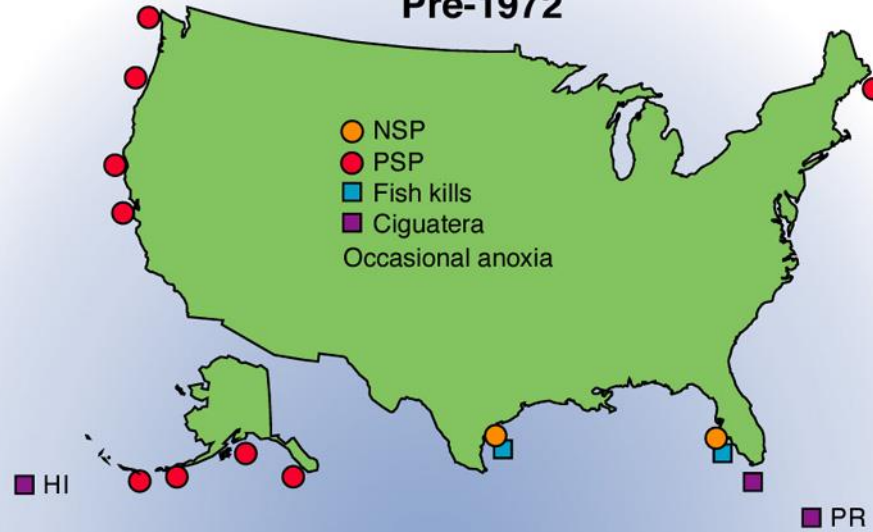




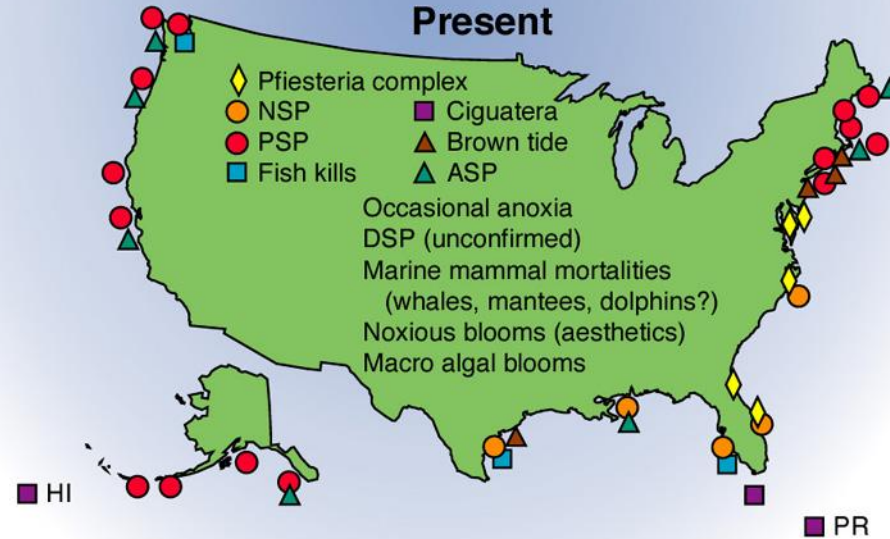
• PSP



Pre-1972



Present



Dan Ayers

Gail Hesse

Don Anderson

Today's Panelists

Kevin Sellner

Alina Corcoran

