



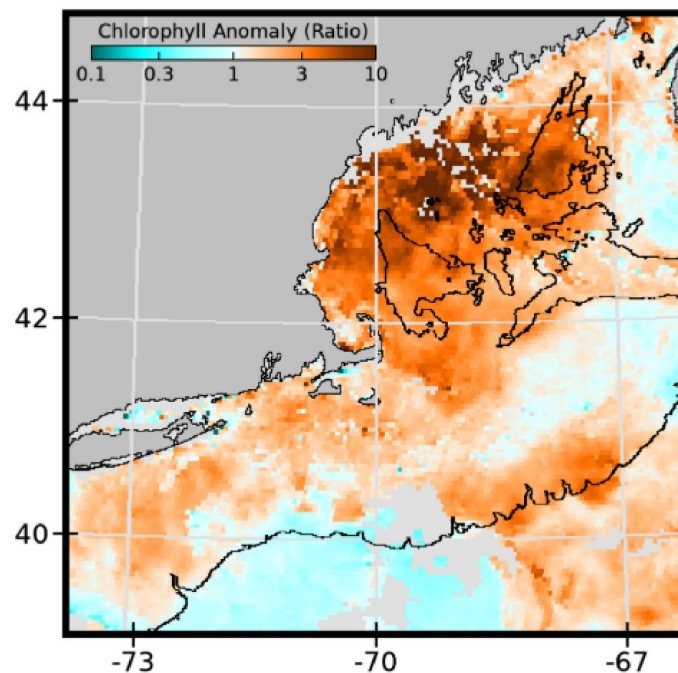
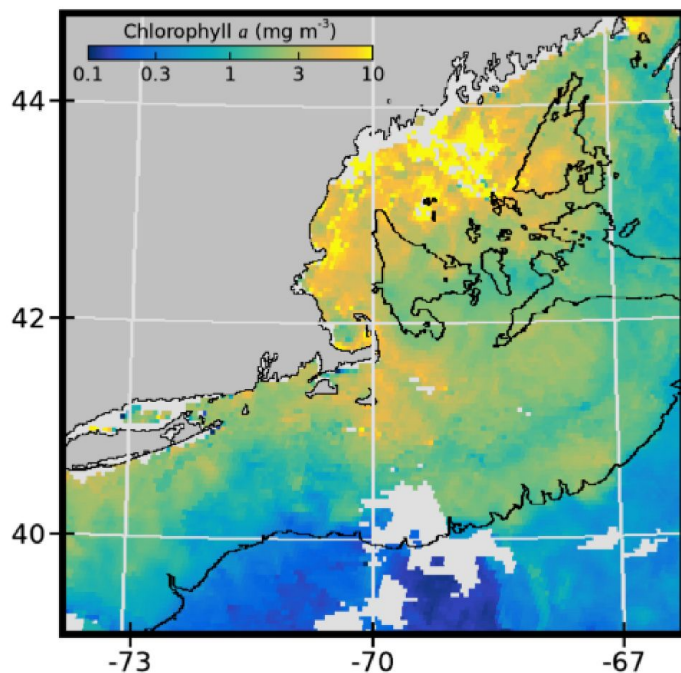
Photo courtesy of
Shawn Shellito
(UNH)

Tripos spp. Bloom in the Gulf of Maine



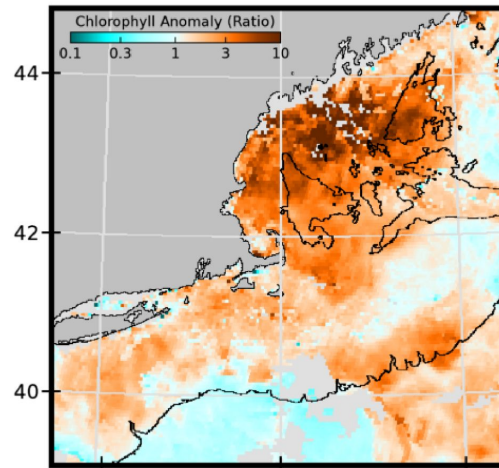
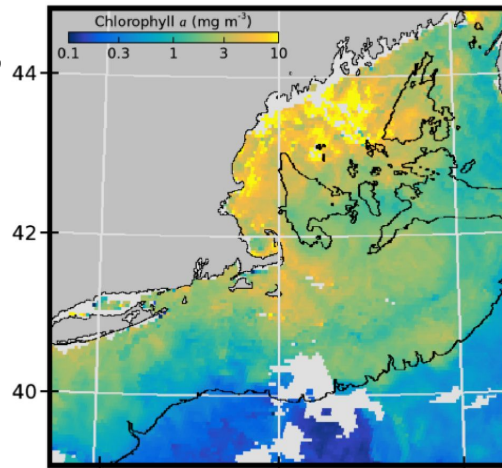
WHOI - MVCO - IFCB

Week 25: 20230618 - 20230624



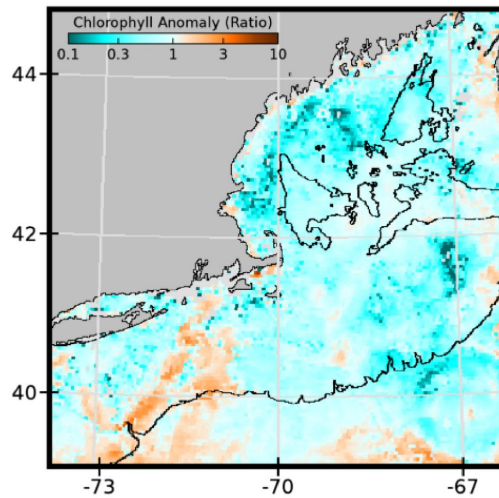
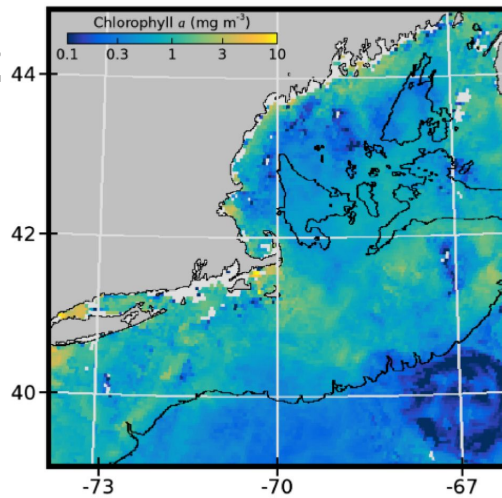
Week 25: 20230618 - 20230624

2023



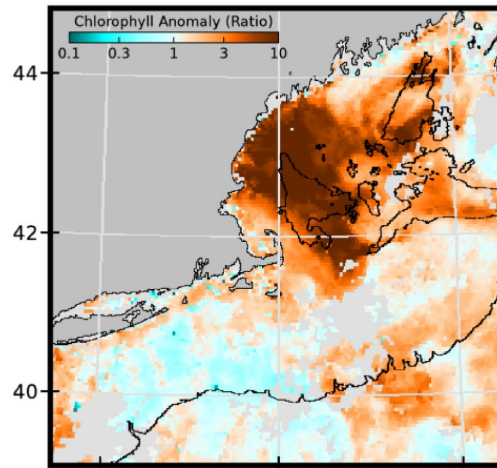
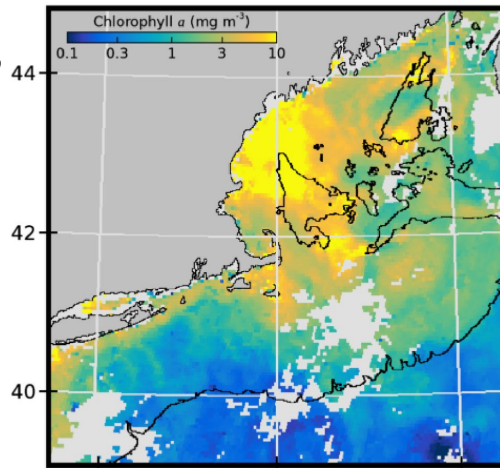
Week 25: 20220618 - 20220624

2022



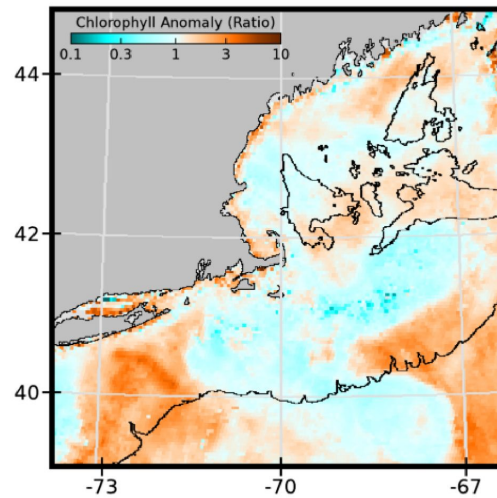
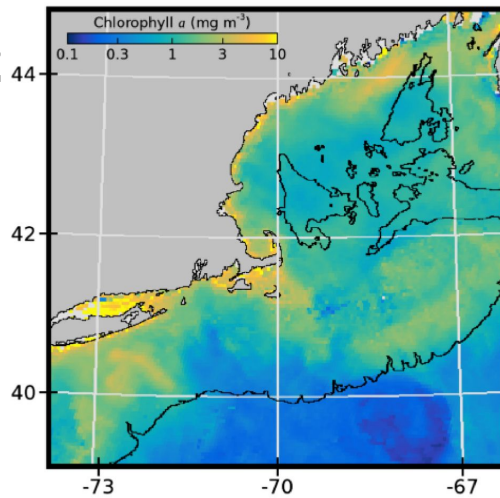
Week 29: 20230716 - 20230722

2023



Week 29: 20220716 - 20220722

2022



Areas of concern...

- Decreased water clarity for fishers and visual predators.
- Food web - nothing appears to be consuming this bloom.
 - Could this impact Calanus?
- Low dissolved oxygen is likely
 - As the bloom dies and sinks, the bacteria that will break it down will consume large amounts of oxygen that could create a hypoxic event.
 - Similar hypoxic events associated with a Tripos bloom were observed in Long Island Sound in the 1970's.

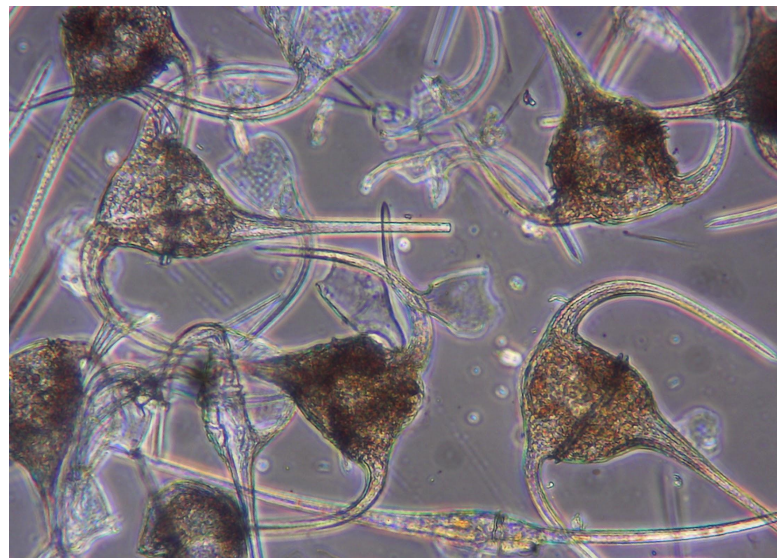


Photo credit: David Borkman (URI)
Sample collected in Massachusetts Bay in July

Ongoing discussions with
UNH, UMaine, WHOI, URI
NERACOOS, Bigelow, MBL
Villanova, Rutgers, Battelle