

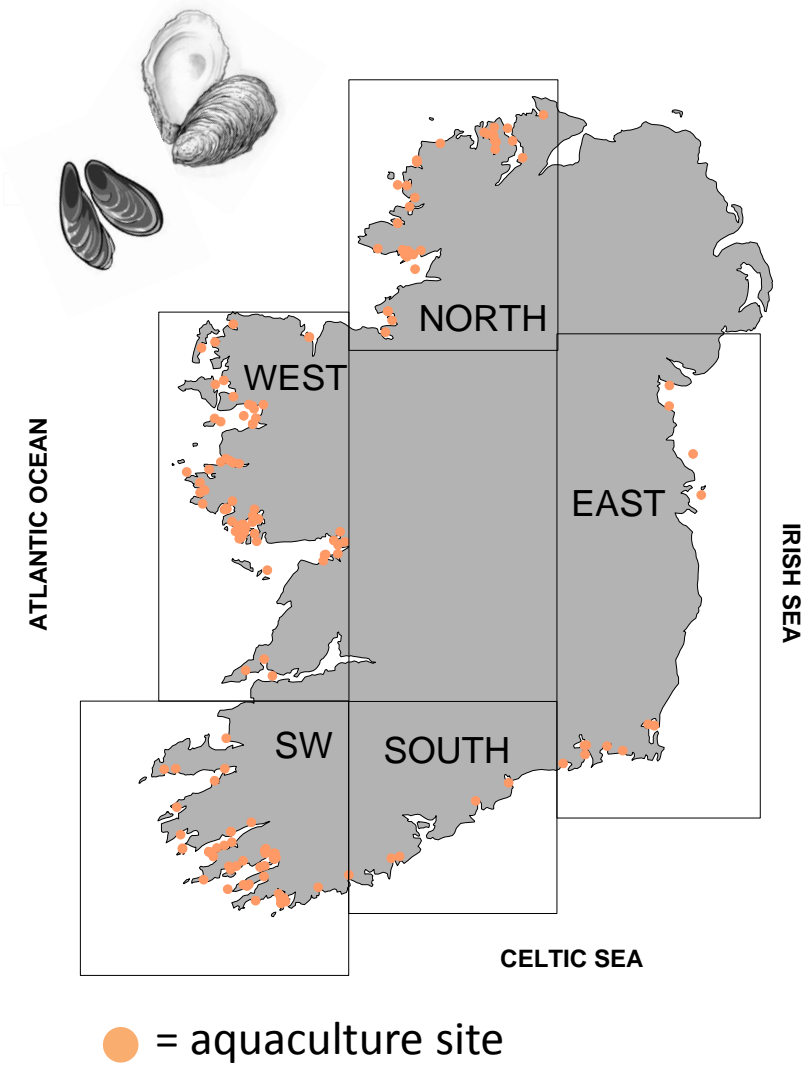
# Ireland: Current Conditions

## Shellfish biotoxin report (last week)



EU Regulatory Limit:  
ASP 20 µg/g; AZP 0.16 µg/g; DSP 0.16 µg/g; PSP 800 µg/kg

## National Monitoring Programme Designated Sampling Sites



# Ireland: Predictions

## Prediction for this week:

ASP event: Increased risk in southwest.

AZP event: AZP event unlikely.

DSP event: DSP biotoxins (winter carry over) likely to continue to decrease. Contamination might remain above the EU regulatory level at sites where biotoxin levels were high.

PSP event: Very low risk.

## Why do we think this?

ASP: In Bantry Bay, at some northern sites, the potentially toxic "*P. seriata*" size group is present at high levels; ~60,000 cells/L. There is a mix of toxic and non-toxic *Pseudo-nitzschia* species. The known toxin producer *P. australis* is present. No domoic acid (biotoxin) detected in recent weeks.

AZP: *Azadinium* - like spp. up to 7,400 cells/L in the west (Killary). Low toxin levels with the max at 0.04 µg/g in oysters on the west coast.

DSP: *Dinophysis acuminata* and *D. acuta* are not present in the water and biotoxins have been decreasing very slowly since last year. Chemistry levels of Okadaic acid & equiv. continue to fall at many sites in the SW (highest record of 0.24 µg/g in Kenmare Bay mussels). High variability likely in the same bay; local fluctuations are related to the presence and abundance of non-toxic phytoplankton.

PSP: Historically this a low risk period of the year for all sites. *Alexandrium* species not detected. No biotoxins detected.

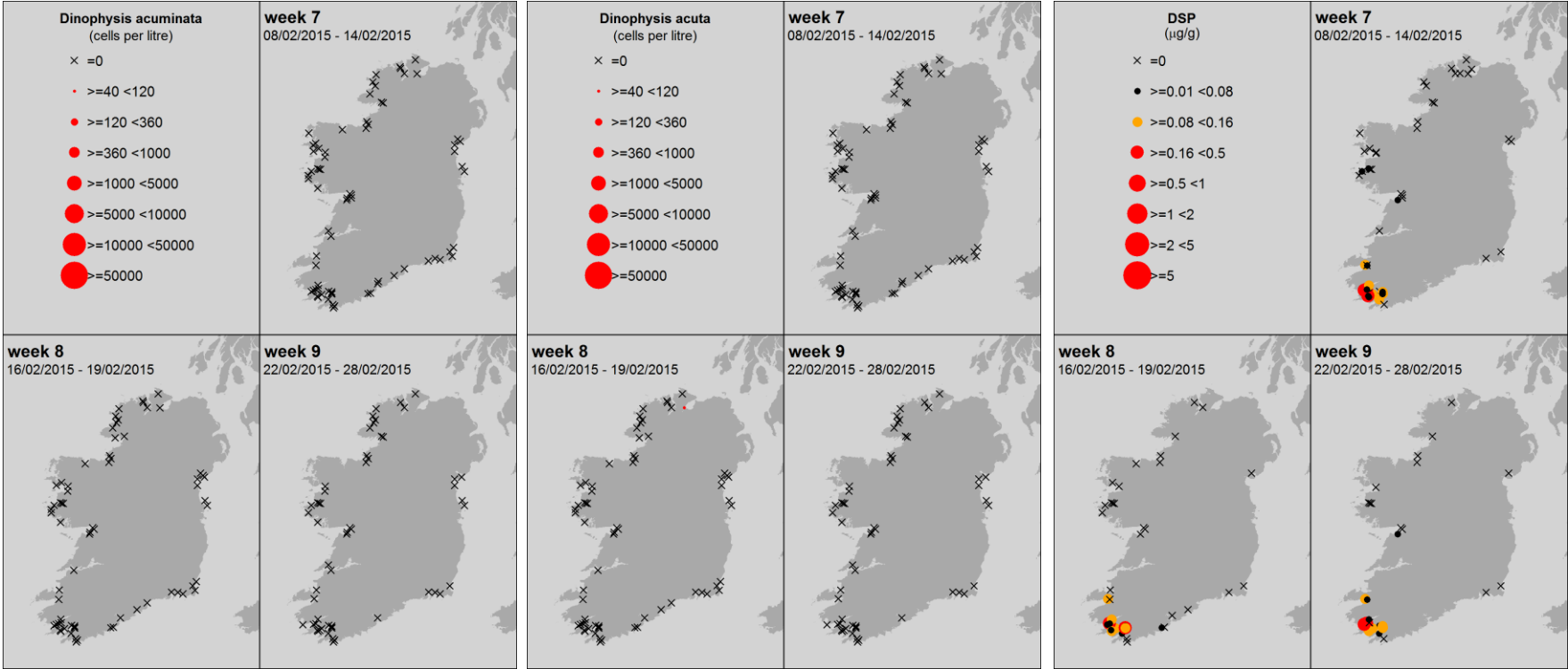
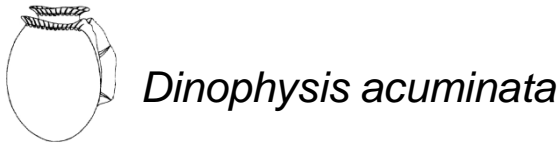
## A look back at how last weeks biotoxin results compares to other years



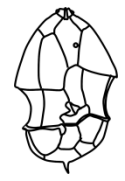
PSP events: weeks 23, 25-28 (June to mid-July) and 38-39 (end September); only in Cork Harbour



Ireland: Last 3 weeks of available National Monitoring Programme data



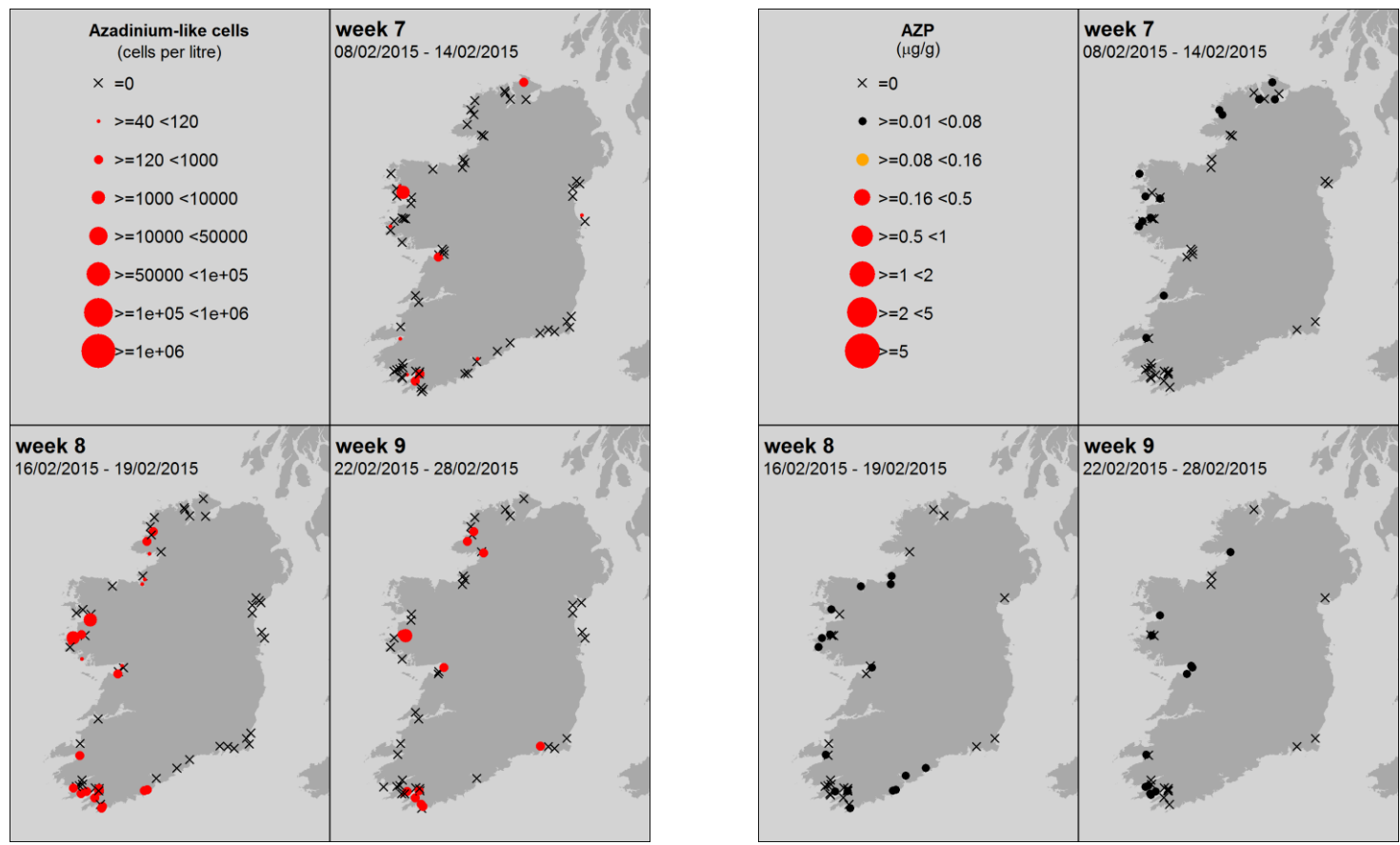
Ireland: Last 3 weeks of available National Monitoring Programme data



Azadinium – like spp.



AZP

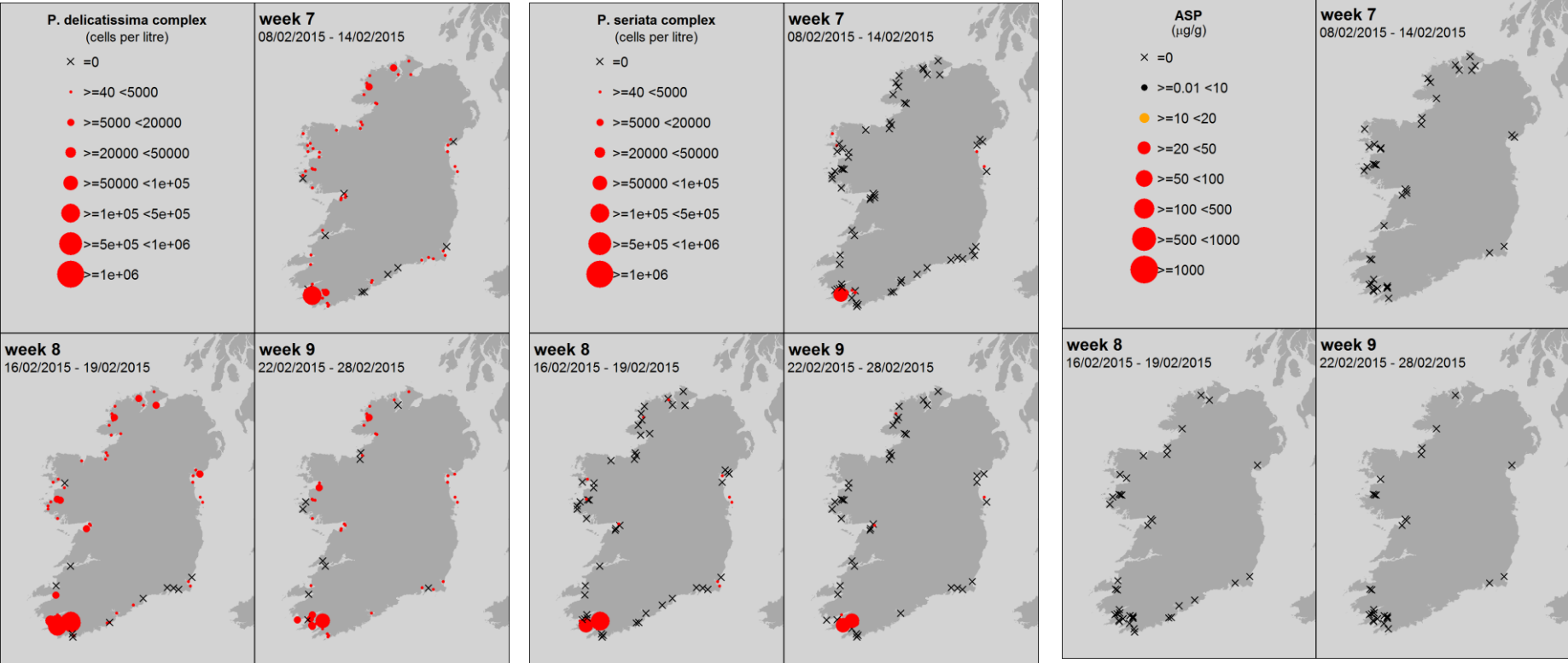


Ireland: Last 3 weeks of available National Monitoring Programme data

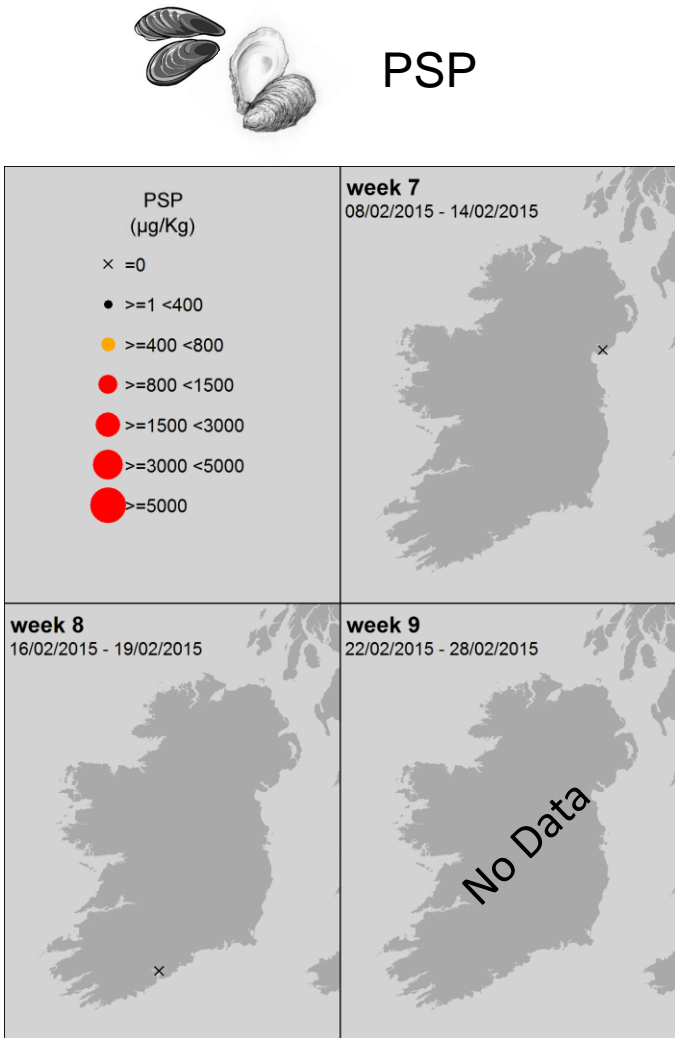
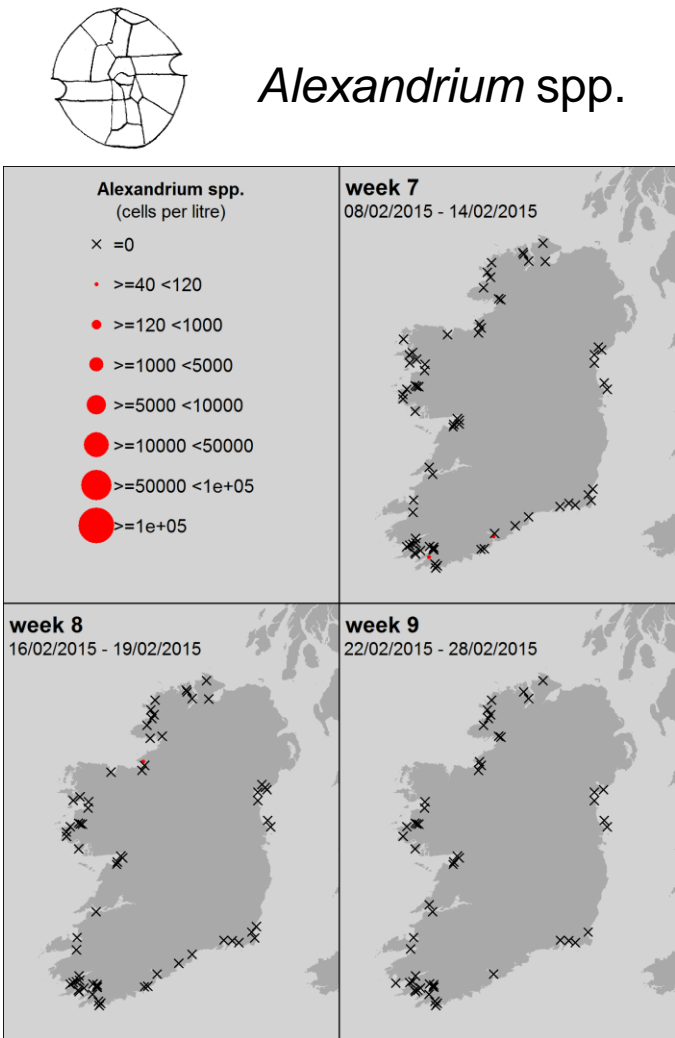
*Pseudo-nitzschia* spp.



ASP

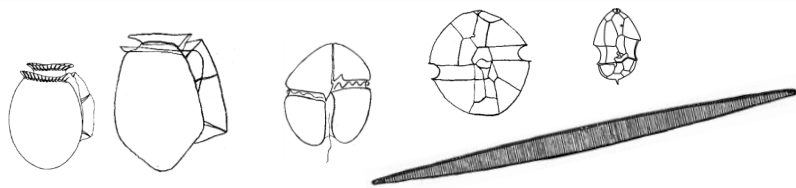


Ireland: Last 3 weeks of available National Monitoring Programme data

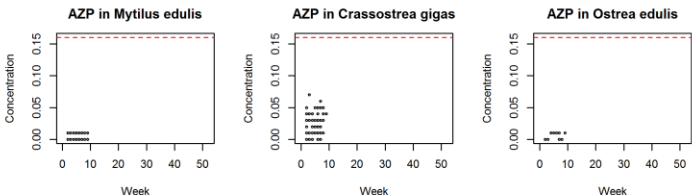


Ireland: HABs and biotoxins Levels from week 1 to present

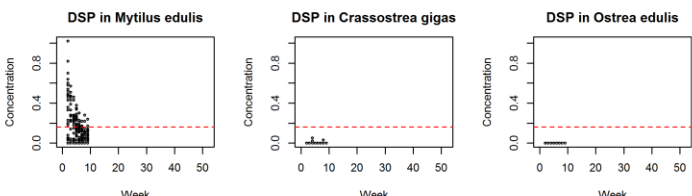
Ireland: Biotoxins



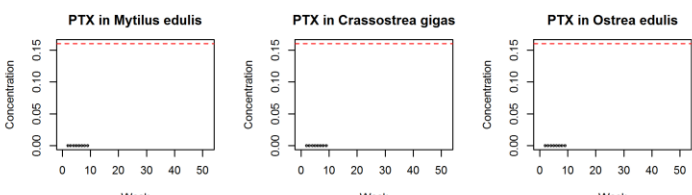
AZP



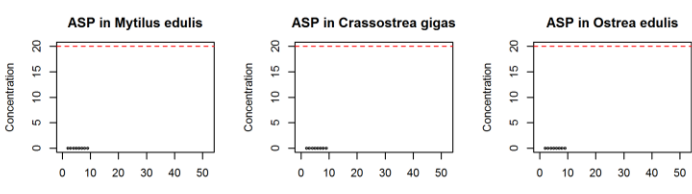
DSP



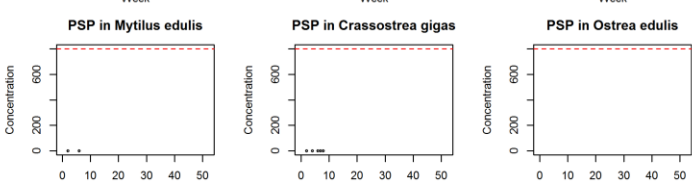
PTX



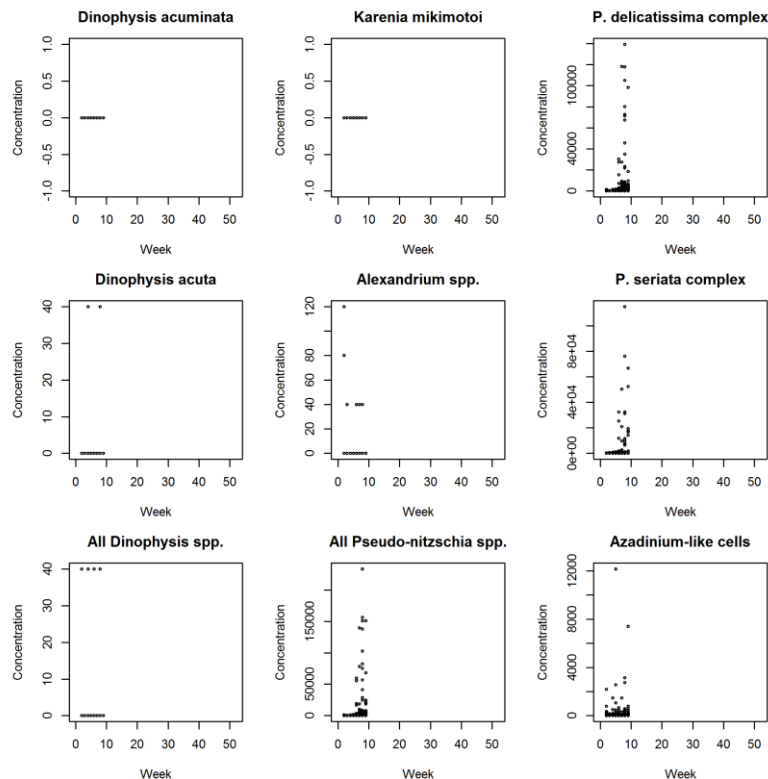
ASP



PSP



Ireland: HABs



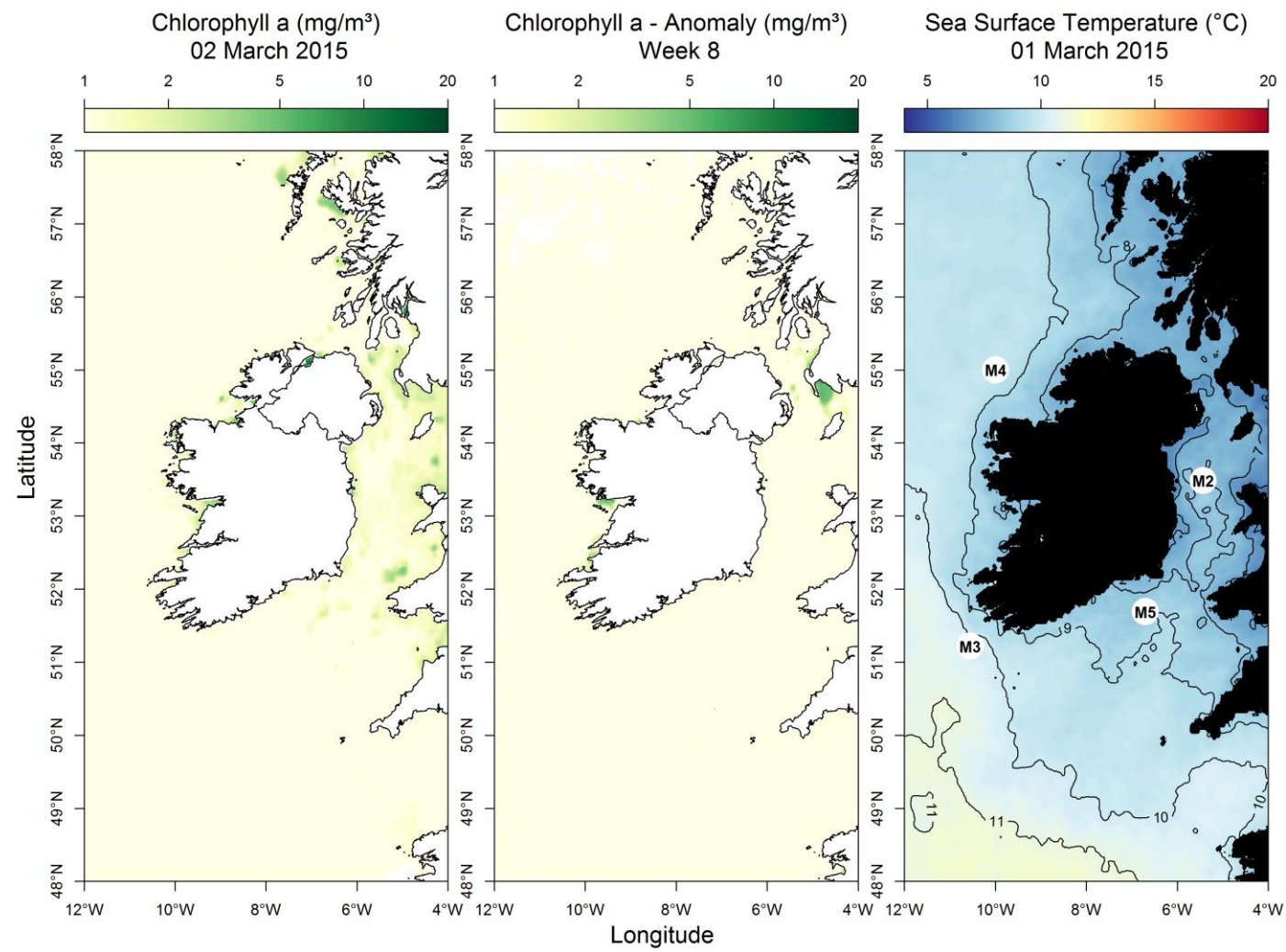
Week number: 1 to 9

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Regulatory limit = ■■■■■



Ireland: Most up to date available satellite data



**SST (°C) anomaly Week 9:**  
Data taken from the Irish data buoy network where the anomaly is the weekly difference in SST compared to the long term mean (~ 10 yrs)

- Northwest coast (M4) **above average by 0.07 °C**
- Southwest coast (M3) **below average by 0.18 °C**
- Southeast coast (M5) **below average by 0.40 °C**