

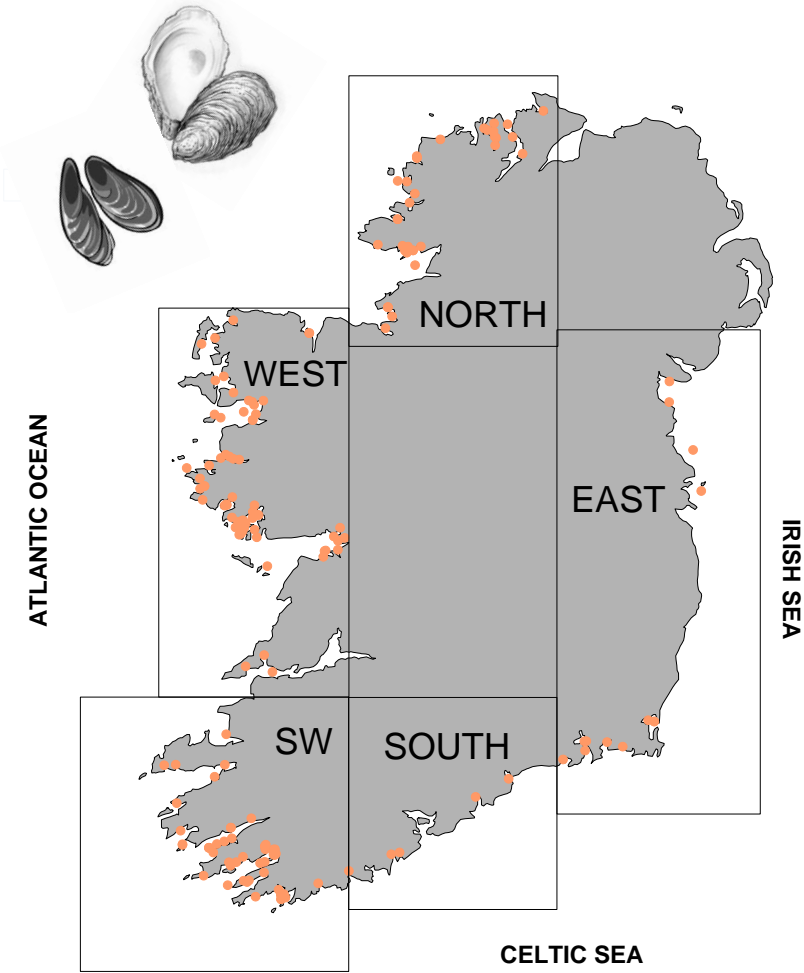
# Ireland: Current Conditions

## 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.

AZP event: AZP biotoxin levels likely to fluctuate at some sites.

DSP event: DSP biotoxins 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: *Pseudo-nitzschia* cell densities continue to increase with a max of ~ 230,000 cells/L in the southwest. In Bantry Bay, the potentially toxic "*P. seriata*" size group represents between 10 - 49 % of the total *Pseudo-nitzschia* population and have reached cell densities up to 115,000 cells/L at one site (Bantry Inner). The potentially toxic *P. australis* is also present; relative abundance yet to be determined. No biotoxin detected in recent weeks.

AZP: Background levels at many sites. *Azadinium* - like spp. up to 3,160 cells/L in the west. Low toxin levels with the max at 0.05 µg/g in oysters on the west coast.

DSP: *Dinophysis acuminata* and *D. acuta* not detected. Chemistry levels of Okadaic acid & equiv. continue to fall slowly at many sites in the SW (highest record of 0.28 µg/g in mussels at one site in Bantry Bay). In general, site contamination will likely continue to decrease. 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* spp. at low levels (40 cells/L) in one site in the north. No biotoxins.

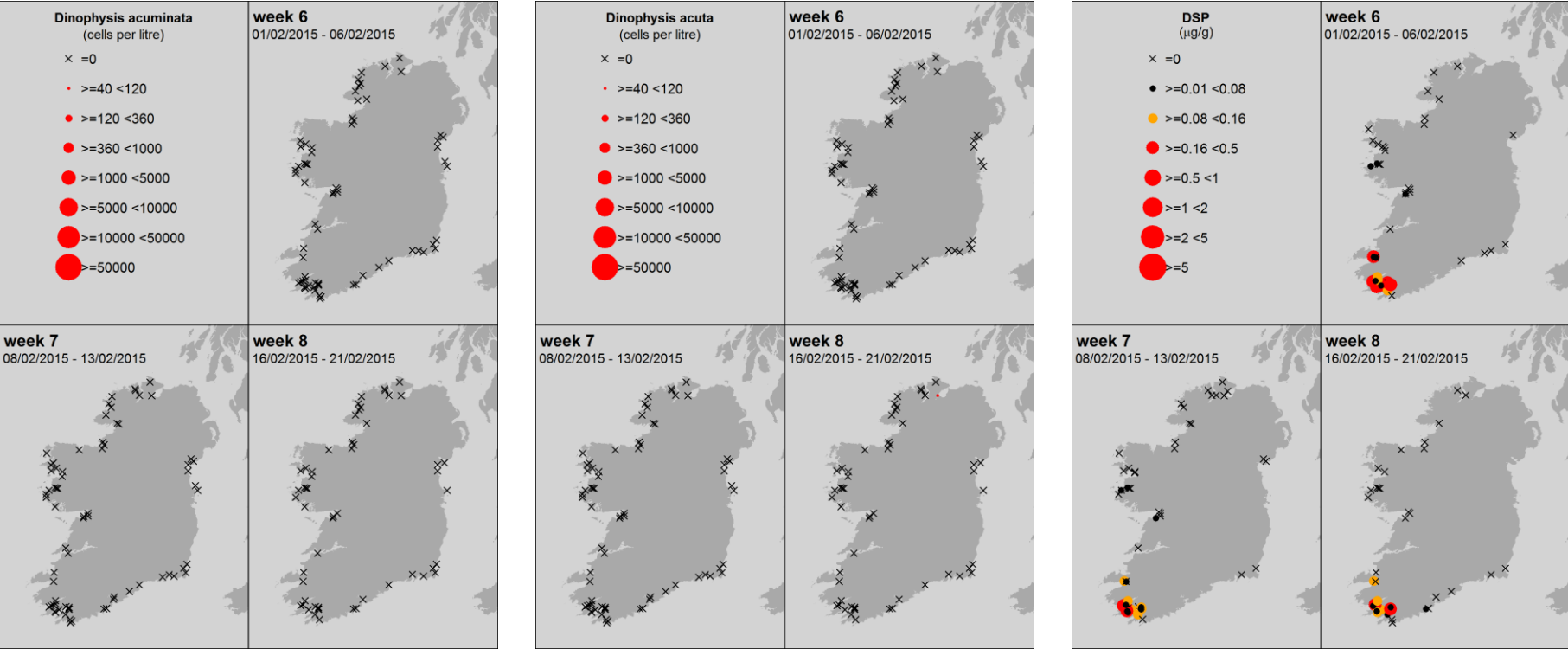
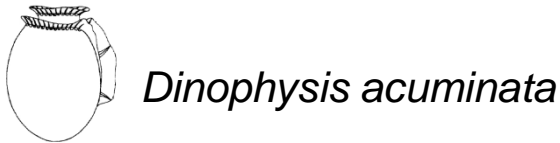
## A look back at how last weeks biotoxin results compares to other years



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



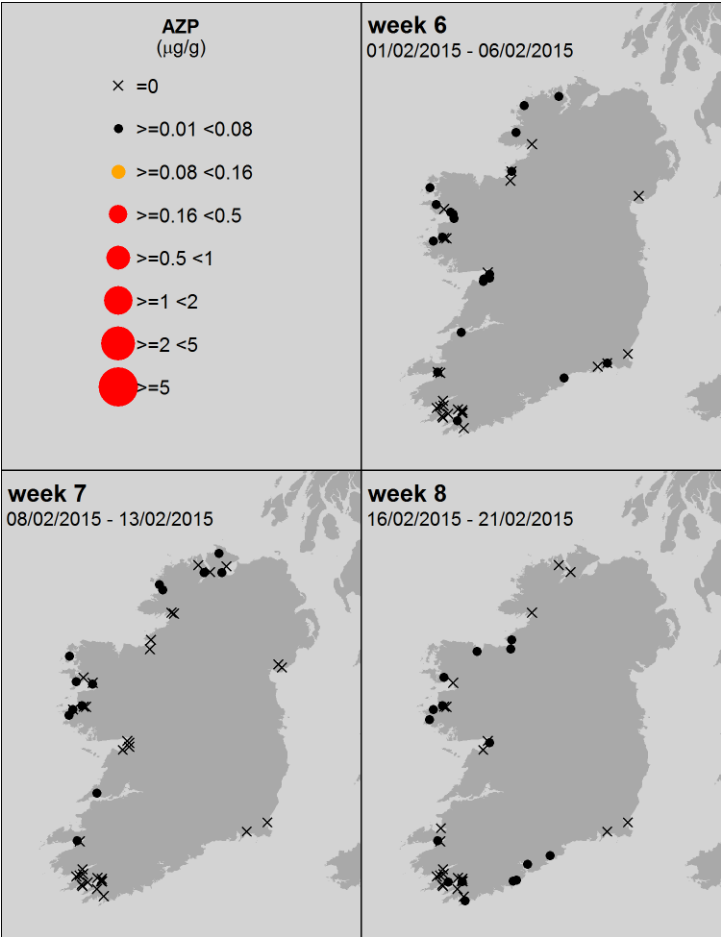
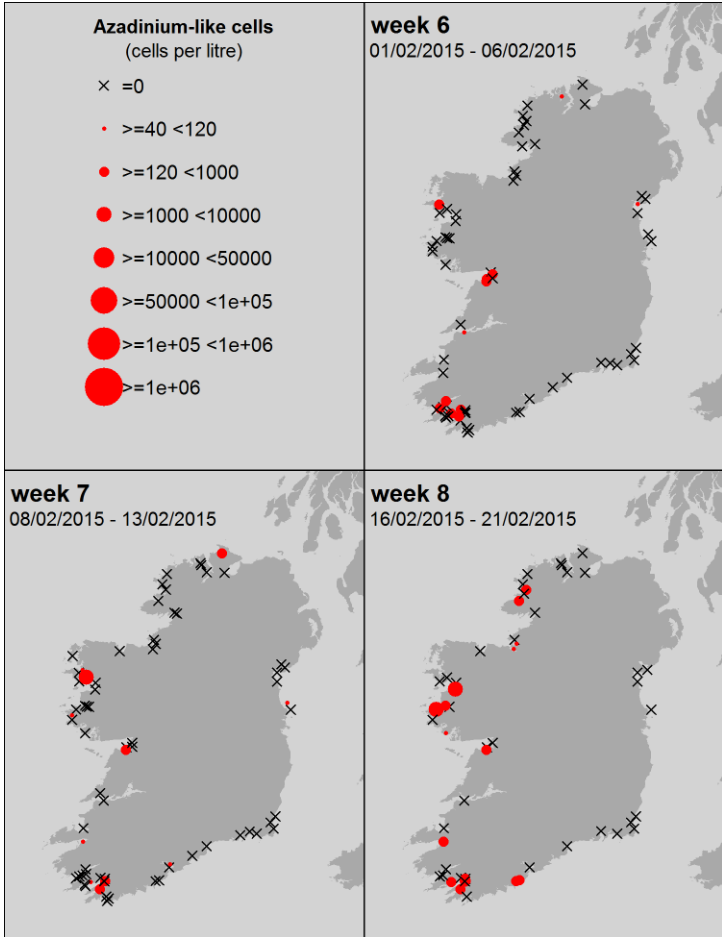
Ireland: Last 3 weeks of available National Monitoring Programme data



*Azadinium* – like spp.



AZP

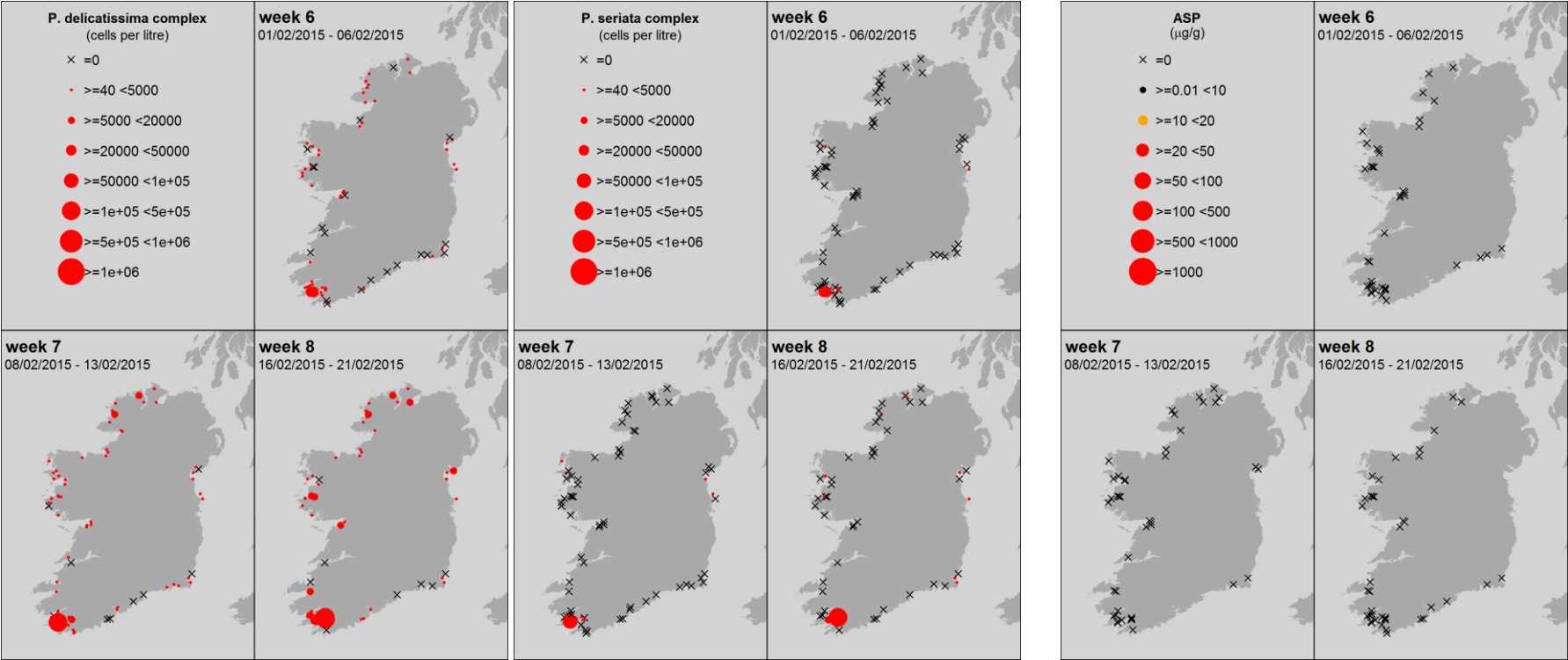


Ireland: Last 3 weeks of available National Monitoring Programme data

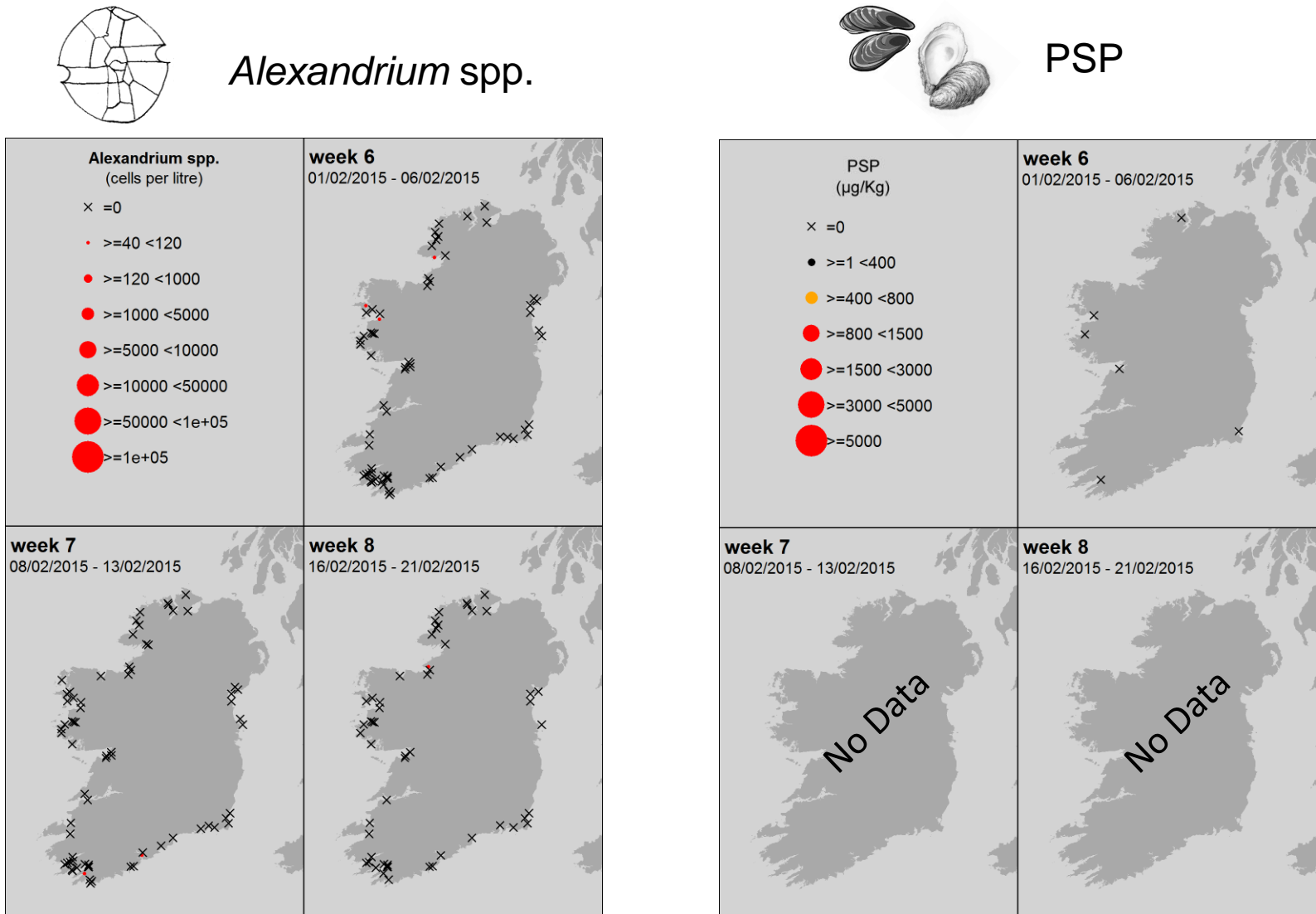
*Pseudo-nitzschia* spp.



ASP

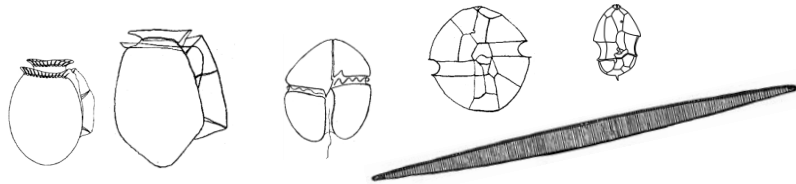


Ireland: Last 3 weeks of available National Monitoring Programme data

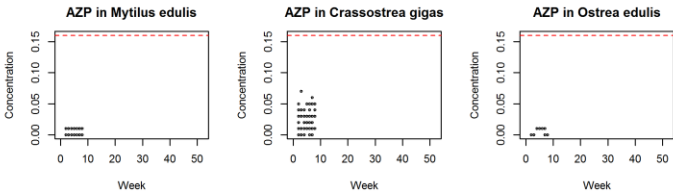


Ireland: HABs and biotoxins Levels from week 1 to present

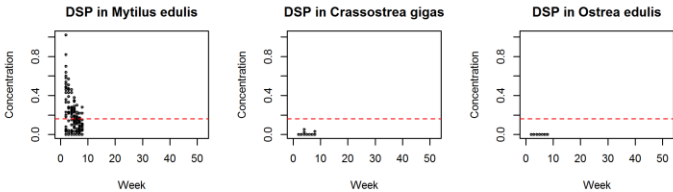
Ireland: Biotoxins



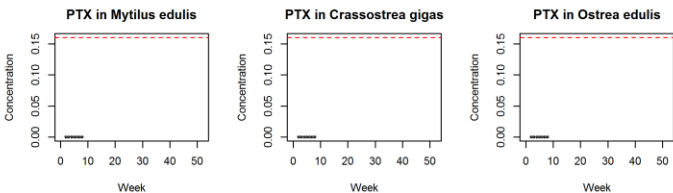
AZP



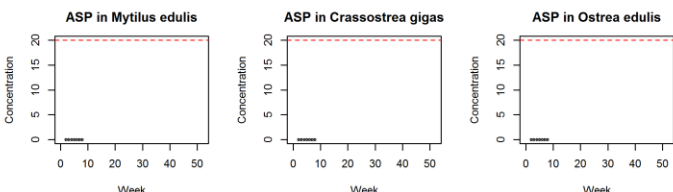
DSP



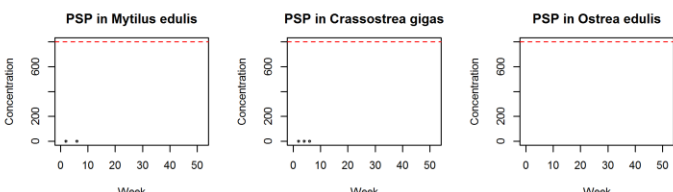
PTX



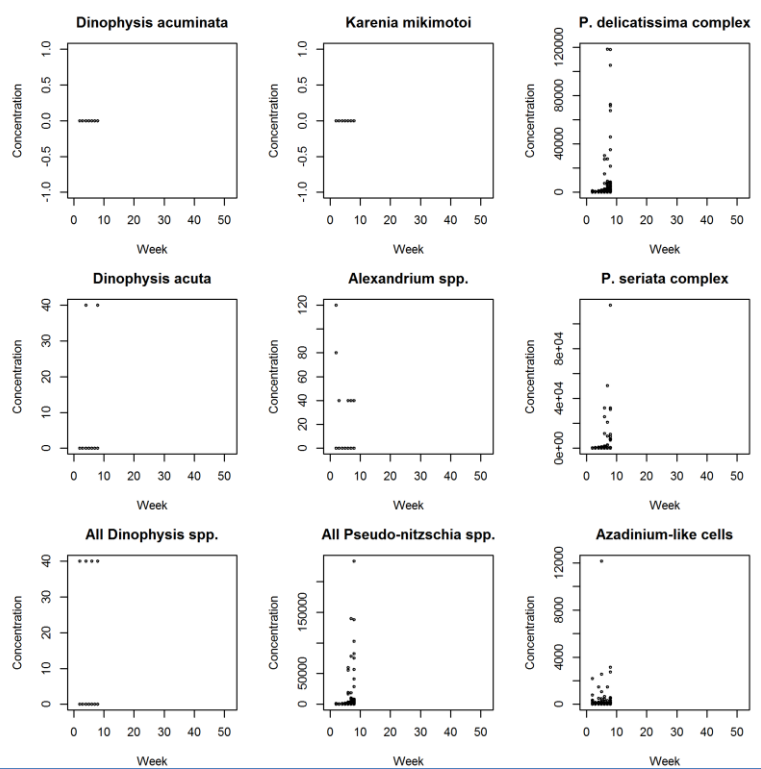
ASP



PSP



Ireland: HABs



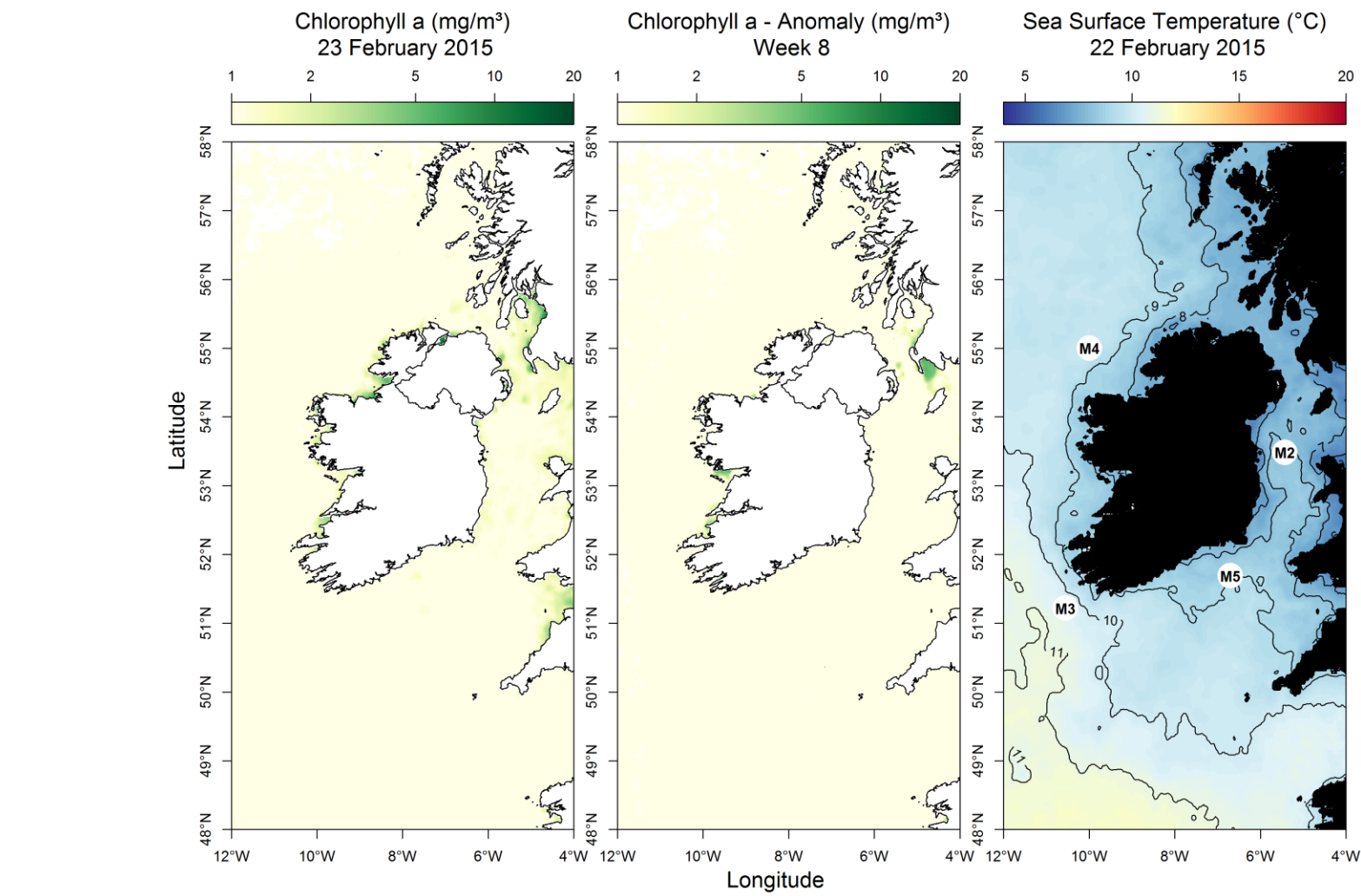
Week number: 1 to 8

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

Regulatory limit = ■■■■■



Ireland: Most up to date available satellite data



**SST (°C) anomaly Week 8:**  
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)	<a href="#">below average by 0.04 °C</a>
Southwest coast (M3)	<a href="#">below average by 0.09 °C</a>
Southeast coast (M5)	<a href="#">below average by 0.35 °C</a>