

Observations from the VIMS Dredge Surveys

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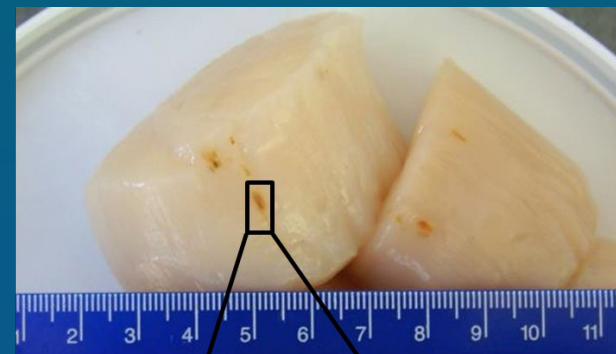
August 27-28, 2026



Preliminary – PDT use only

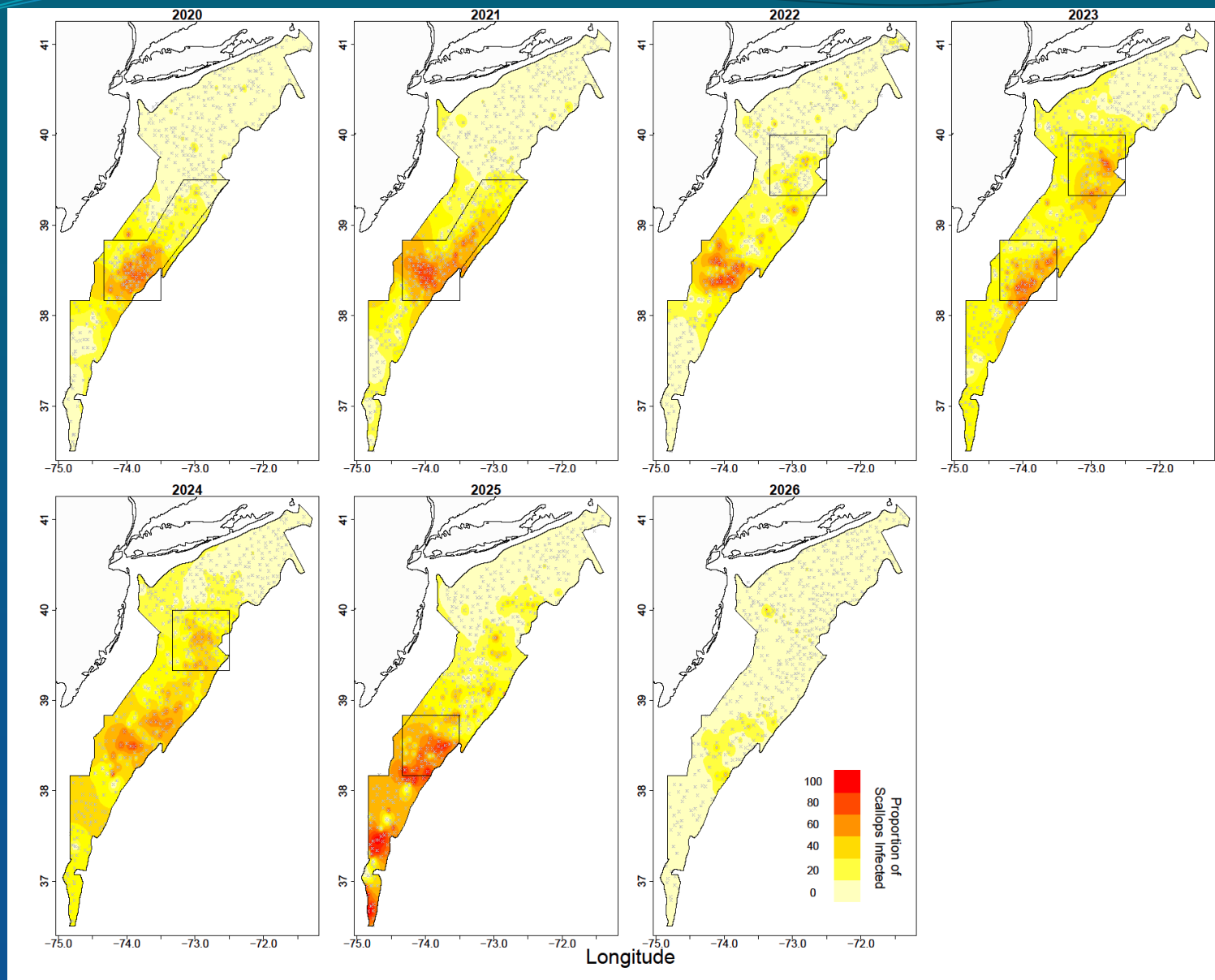
Disease Observations

- All scallops evaluated for SHMW workups are also assessed for several diseases
- Nematode Infections
 - Gross observation of nematode lesions
 - Intensity - Mean number of lesions per scallops given a scallop was infected
 - Prevalence – Percent of infected scallops/sample (prevalence)
- Information used to document spatial distribution of nematode infected scallops for 12 years



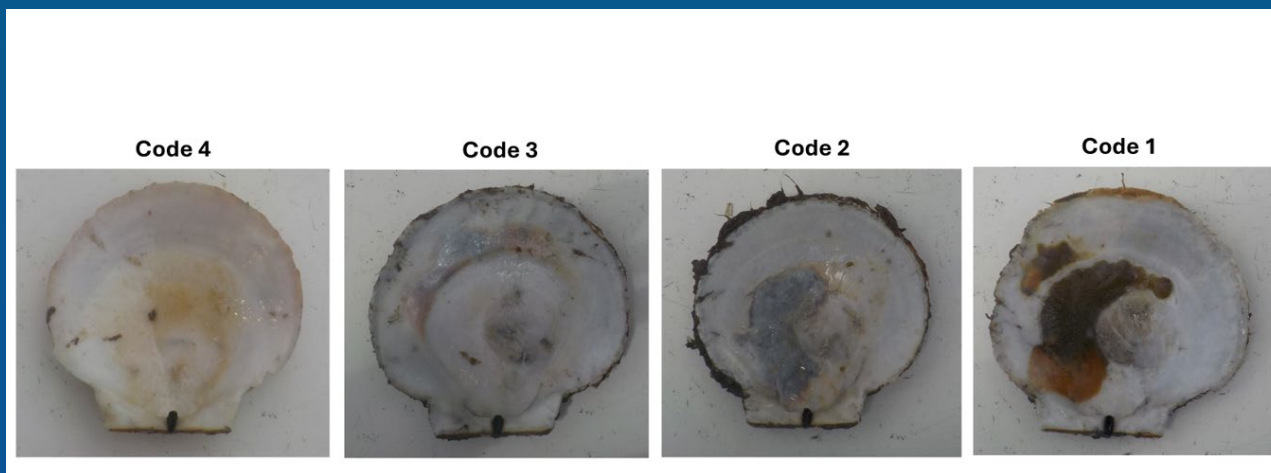
Nematode Prevalence 2020-2025

VIMS



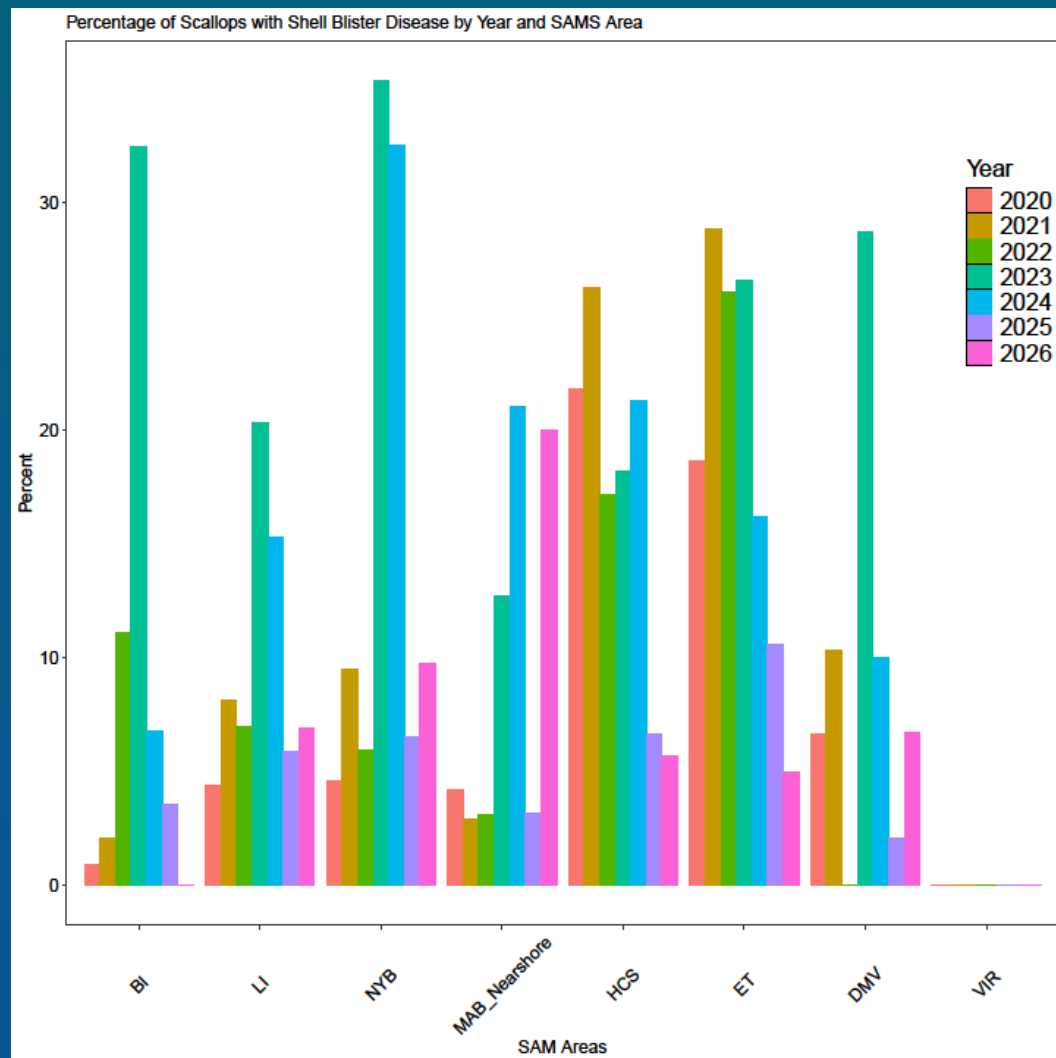
Disease Observations

- Shell blister condition
- Qualitative scale used to rate condition of blister: 1 (worst) – 4 (no blister)
- Increased number of scallops observed in MAB with shell blister disease since 2020
- NL South scallops with shell blister disease also increased in 2021 & 2022

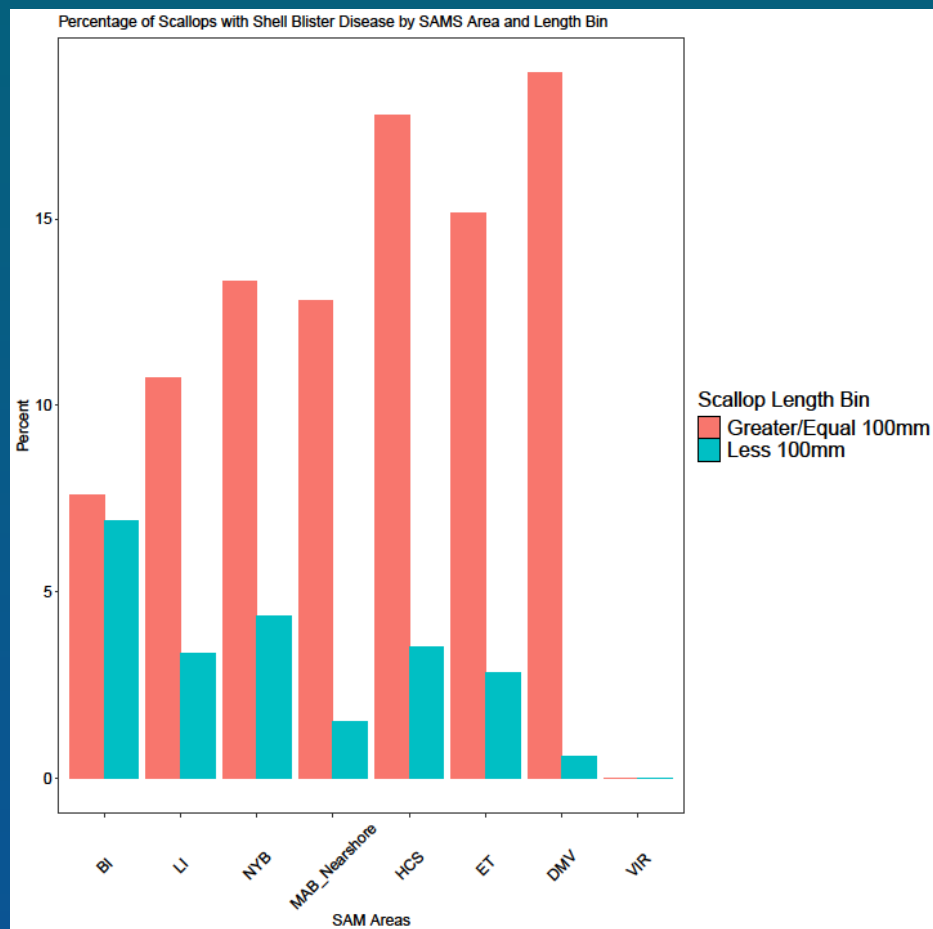


Shell Blister - MAB

- Greatest number of blisters observed in 2016 – 2018 and again in 2020 – 2023
- Overall decline across all SAMS Areas beginning in 2024
- Percentage remains low in 2026 with some increases relative to 2025
- Highest percentage of shell blister has been observed in the ET & HCS



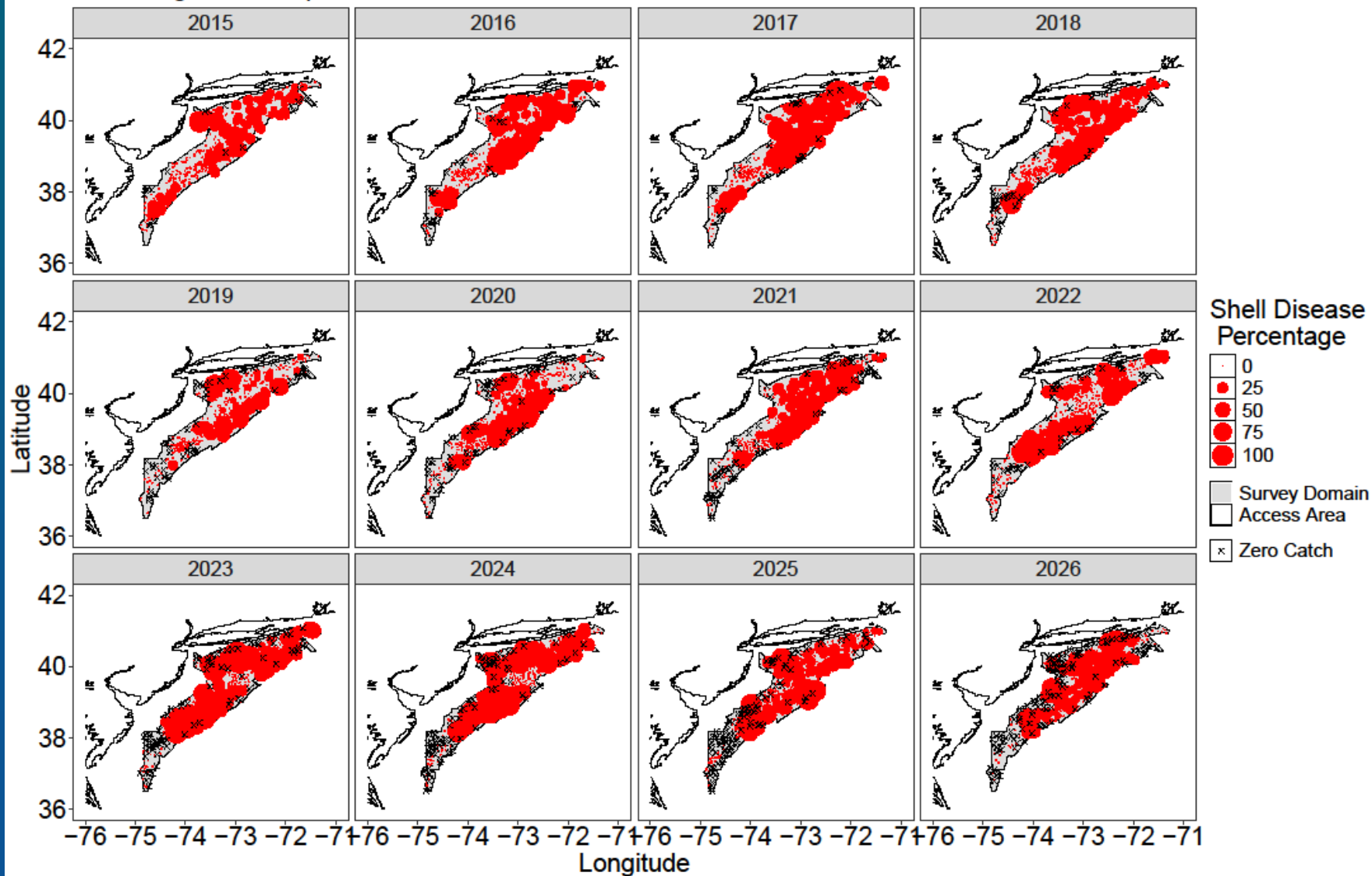
Shell Blister - MAB



- Shell blister not observed as frequently in scallops less than 100 mm
- Trend is similar since 2023

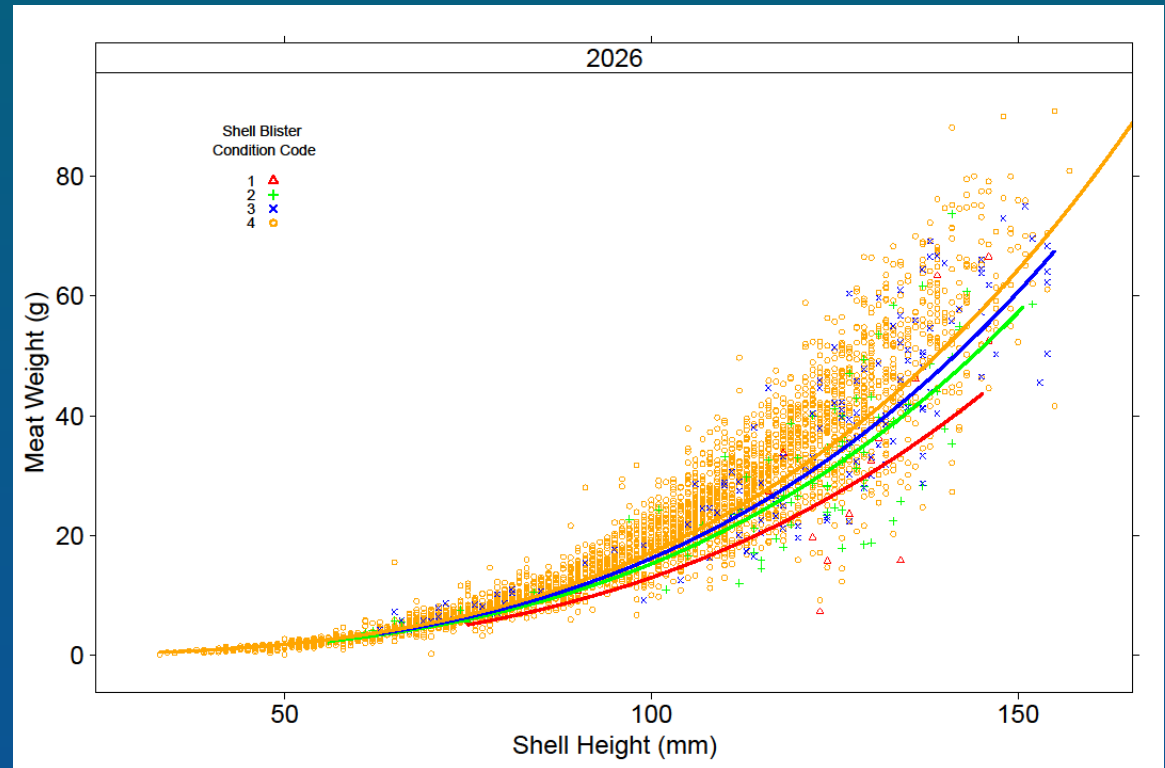
Shell Blister - MAB

Percentage of Scallops with Shell Blister Disease MAB



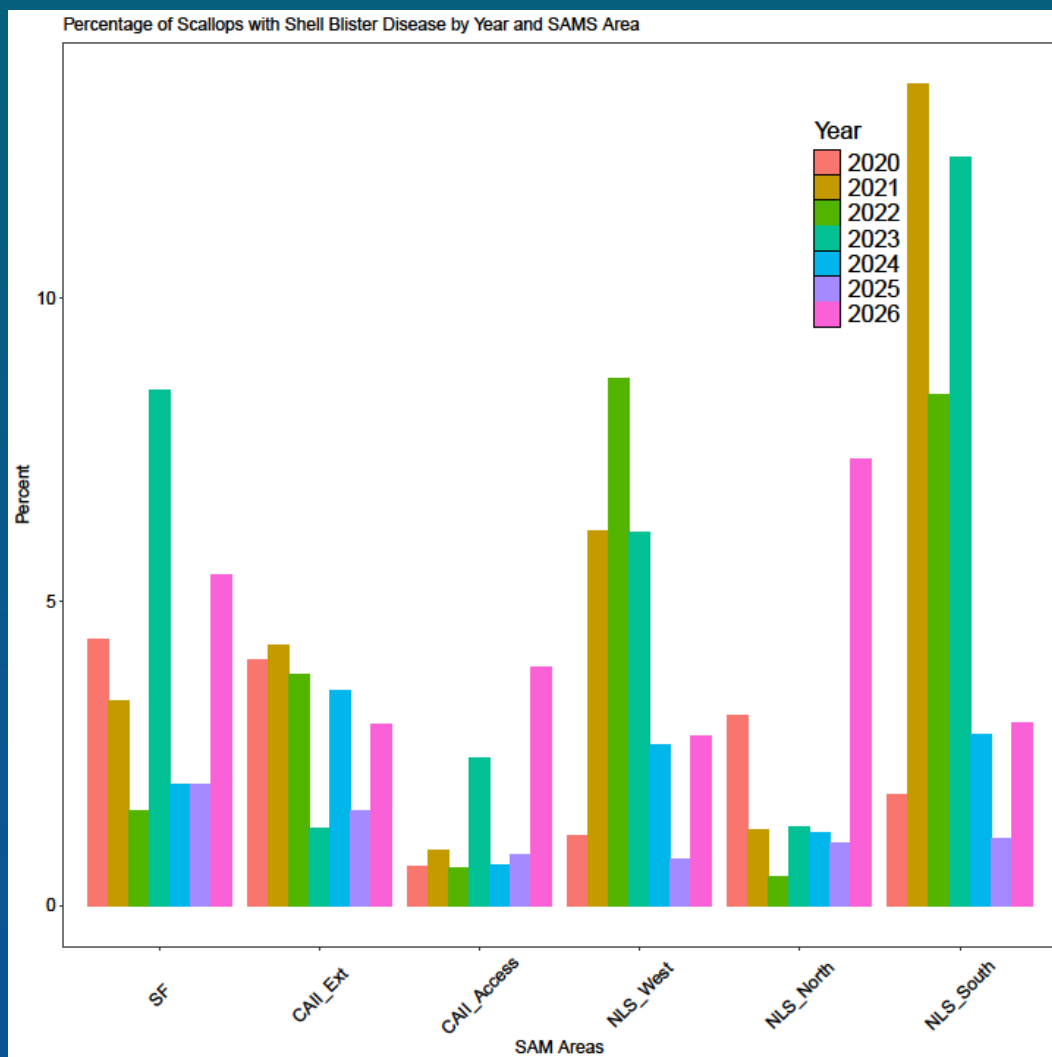
Shell Blister - MAB

- Shell blister can impact meat quality & yield
- As blister severity increases meat becomes stringy & discolored
- SHMW relationship is lower than expectation
- Preferred SHMW models in MAB since 2020 have an interaction of latitude & disease condition

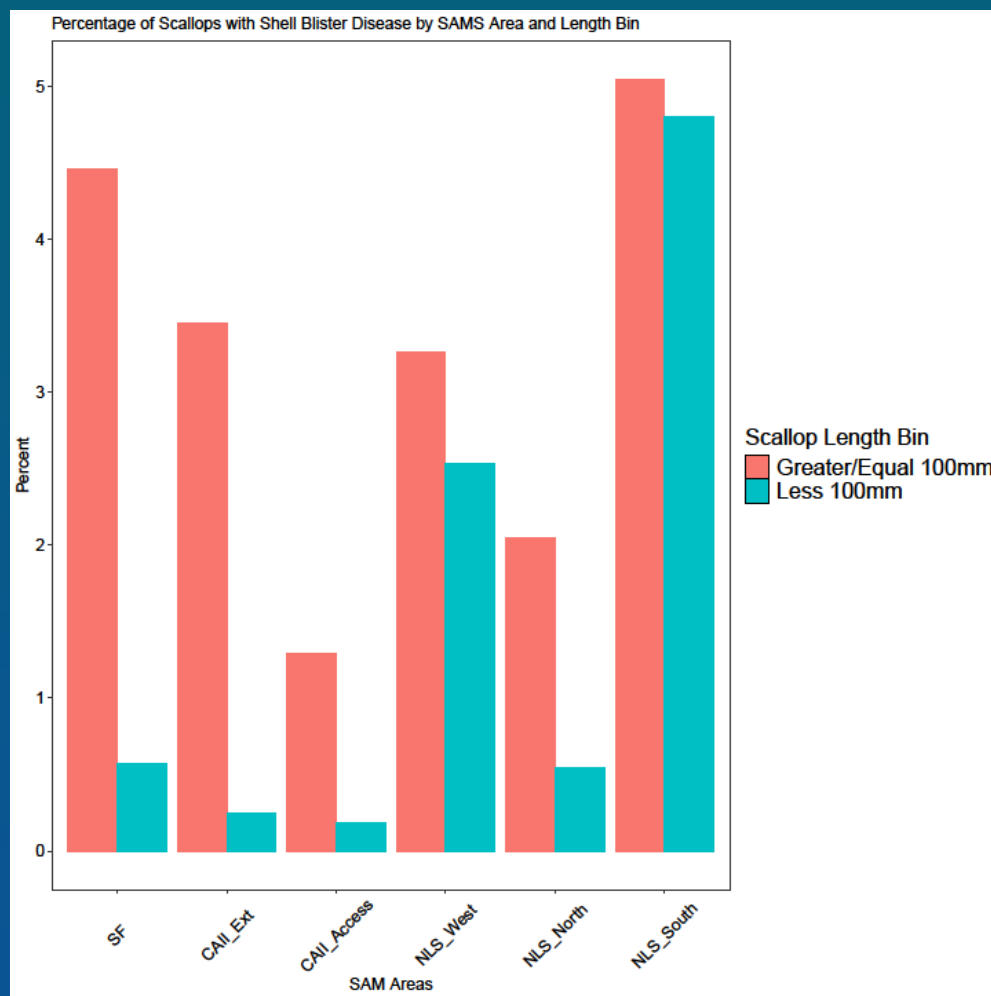


Shell Blister - GB

- High percentage of shell blister disease in NLS_West & NLS_South
- Lower overall percentage of scallops with blister relative to the MAB
- No consistent trend across SAMS Areas
- Increases observed in all SAMS Areas this year

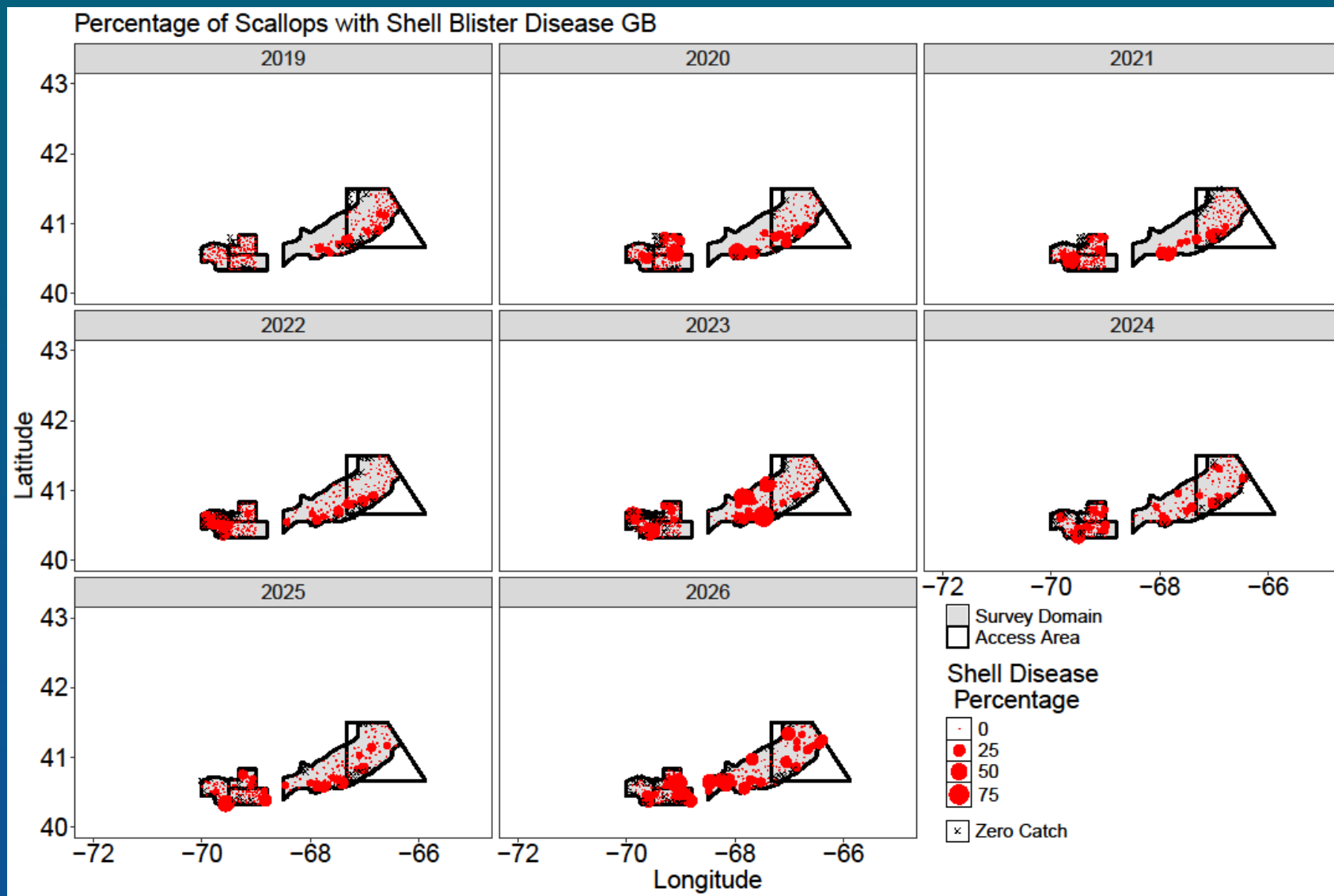


Shell Blister - GB

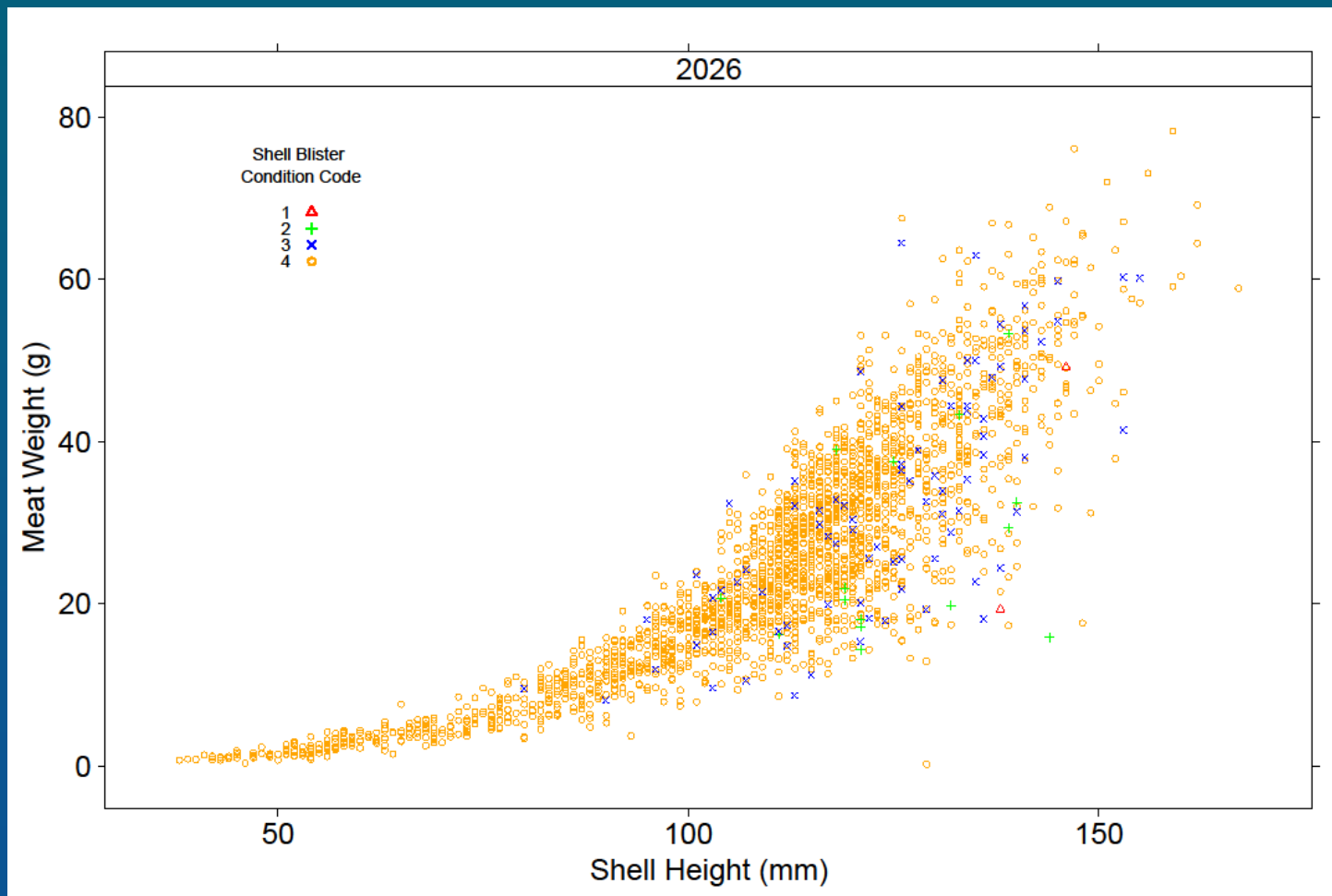


- Not as clear of a signal on GB with the exception of the NL South
 - Similar results since 2023

Shell Blister - GB

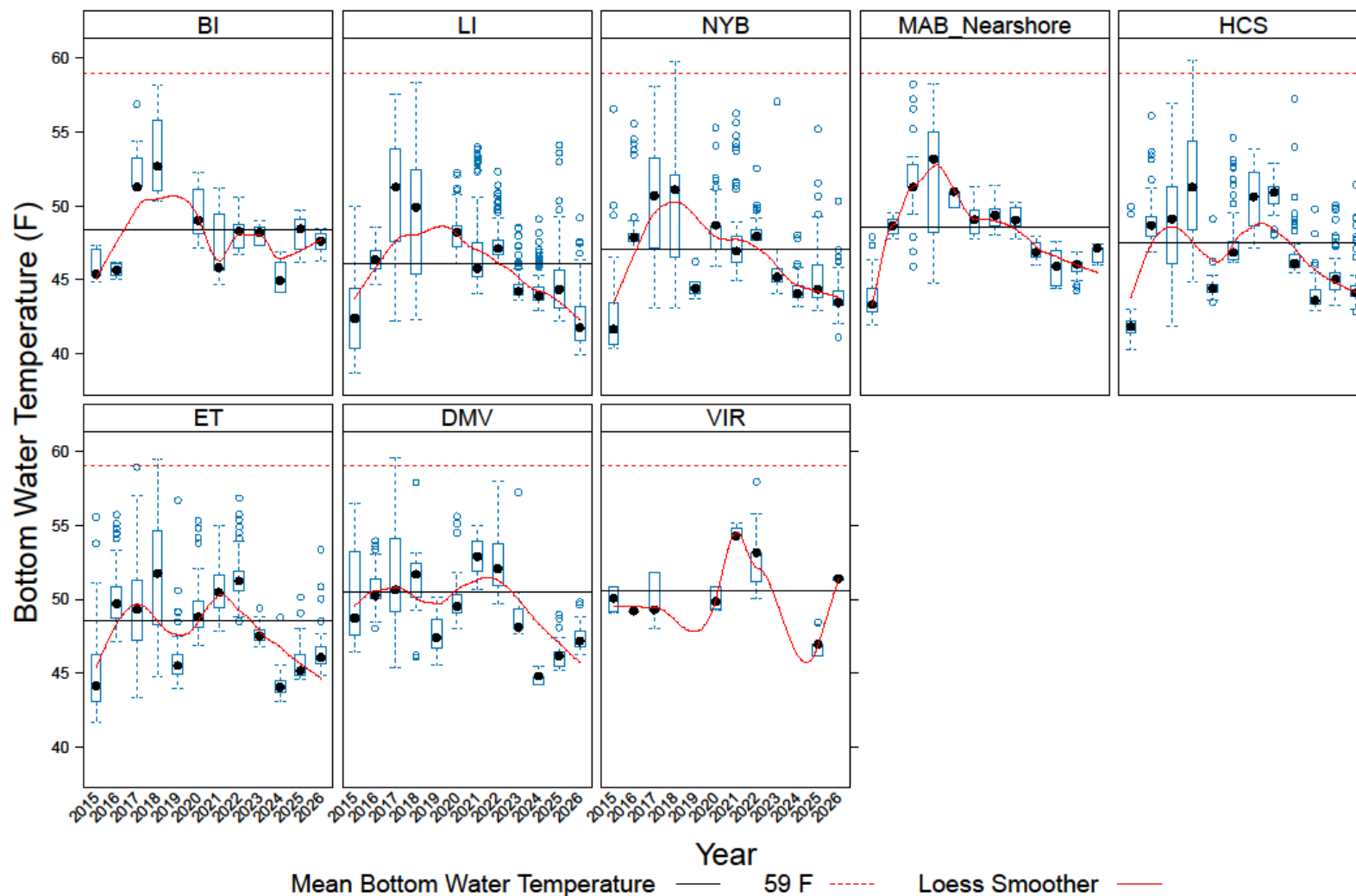


Shell Blister - GB

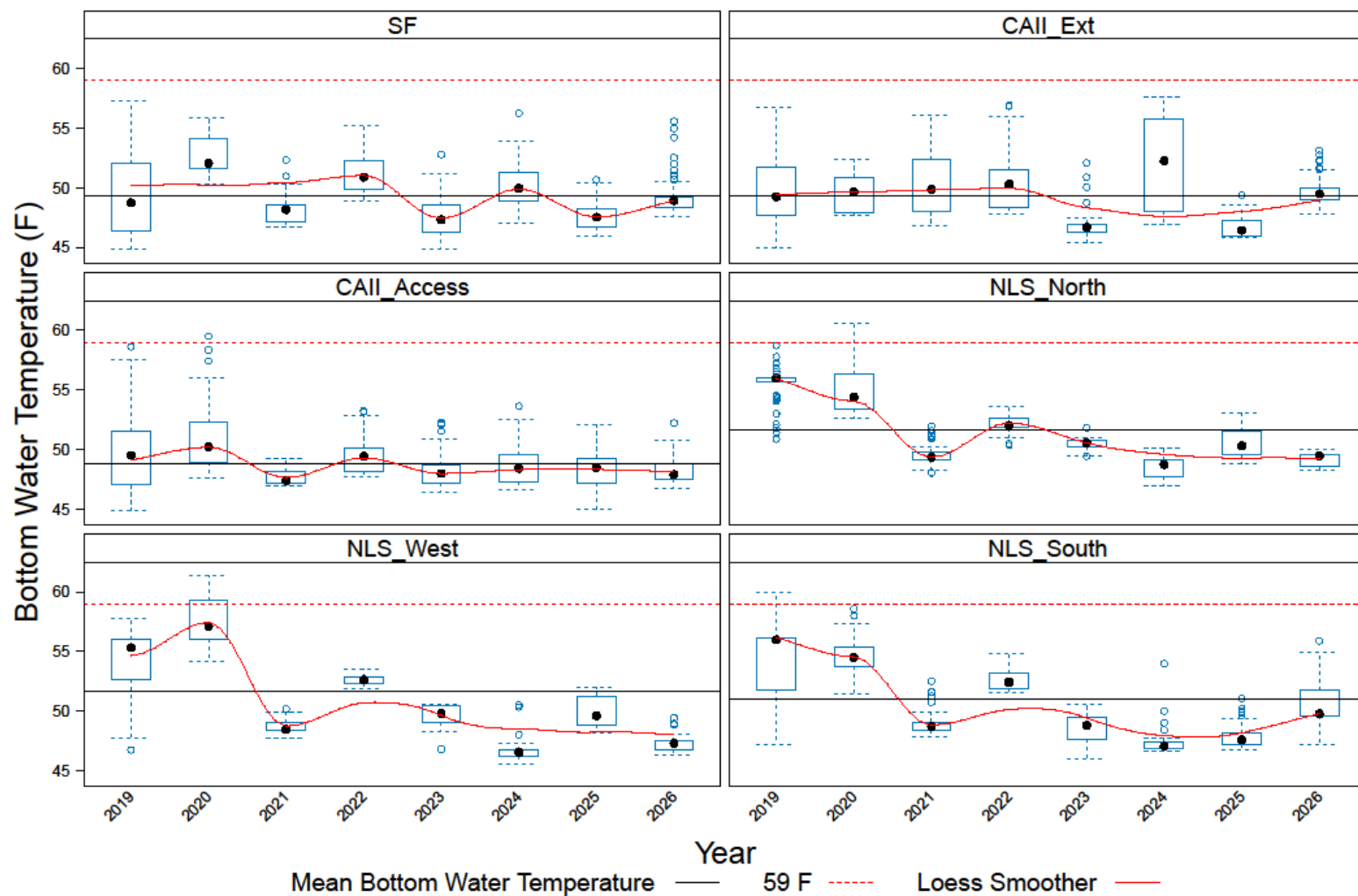


- SHMW relationship not generally impacted by shell blister disease

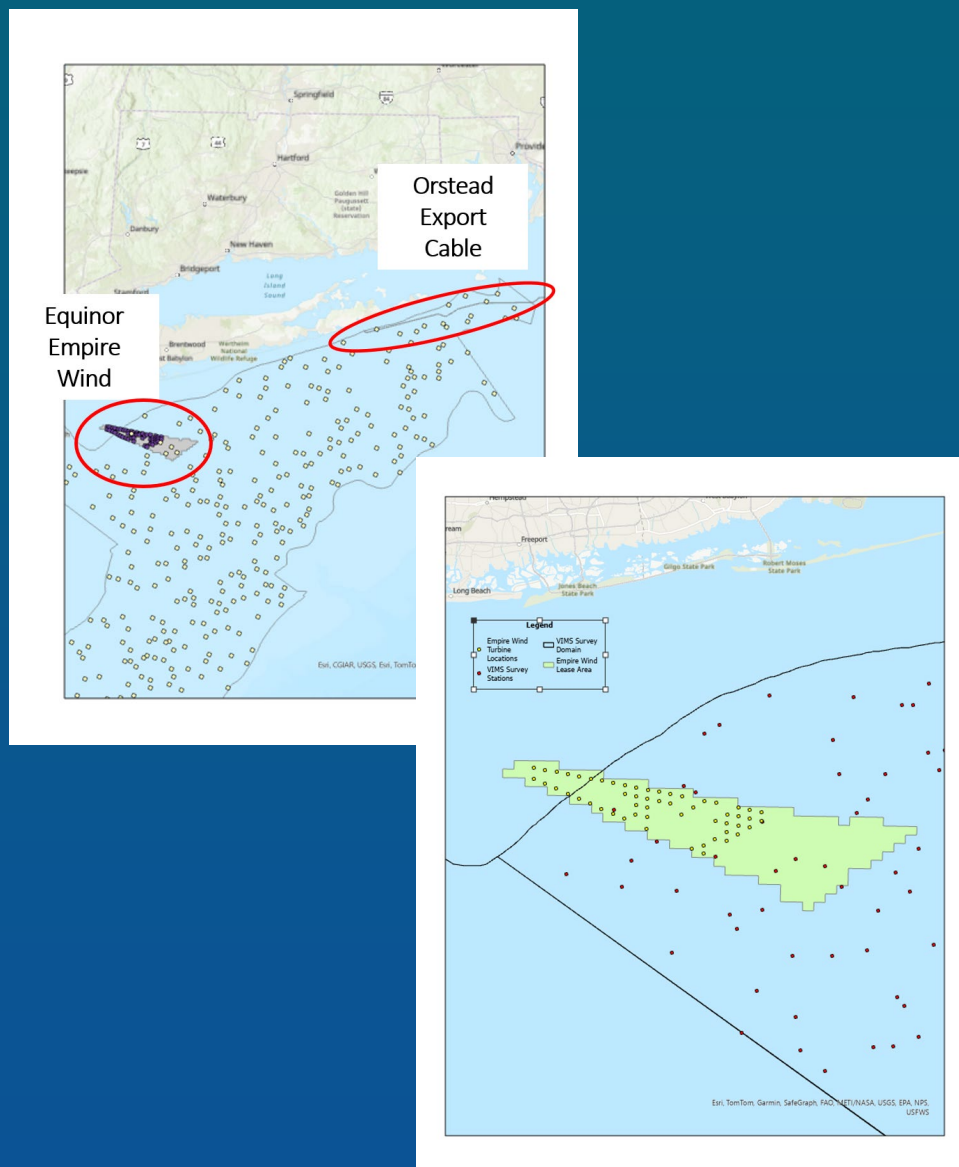
MAB Bottom Water Temperature



GB Bottom Water Temperature



Offshore Wind



- Empire Wind Lease Area
 - Total area within LI SAMS Area 182 km²
 - 90.4 km² with monopiles & construction
- Distance between turbines ranges from 0.7 - 0.83 nm
- Add a buffer for scour protection of 0.05 nm
- VIMS had 6 stations (2023-2025) with 0 catches. In 2026 we had 2 stations with 0 catches