

Observations from the VIMS Dredge Surveys

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August 27-28,2025

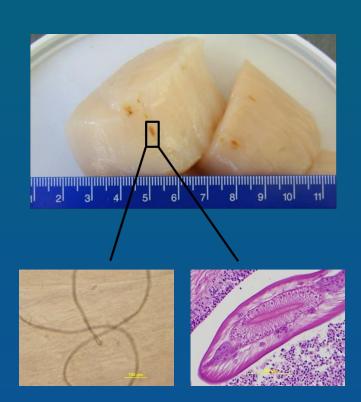






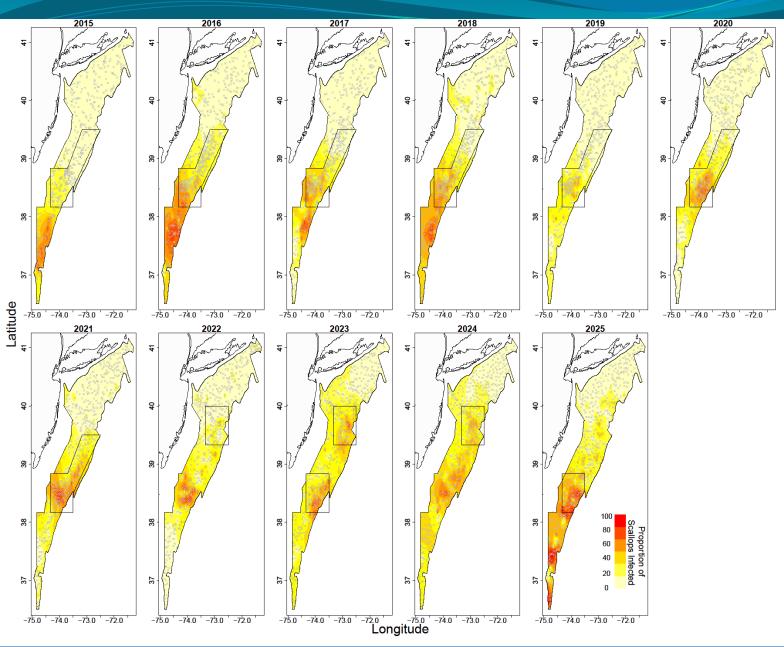
Disease Observations

- 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 11 years

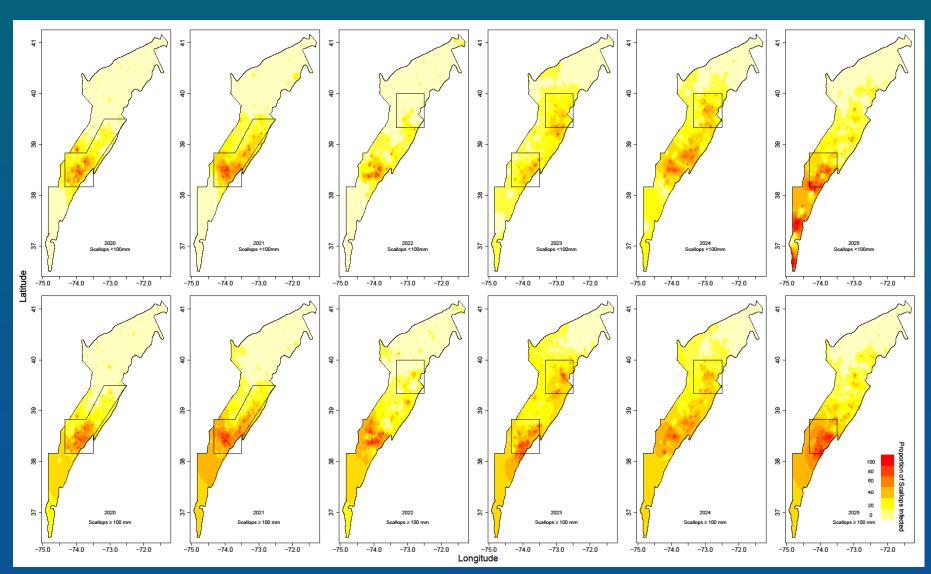


Nematode Prevalence 2015-2025





Nematode Prevalence by Size 2020 - 2025





Disease Observations

- Shell Blister
 - 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

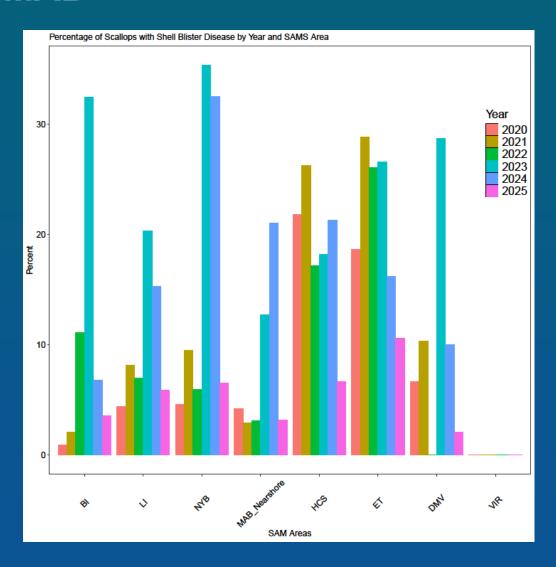


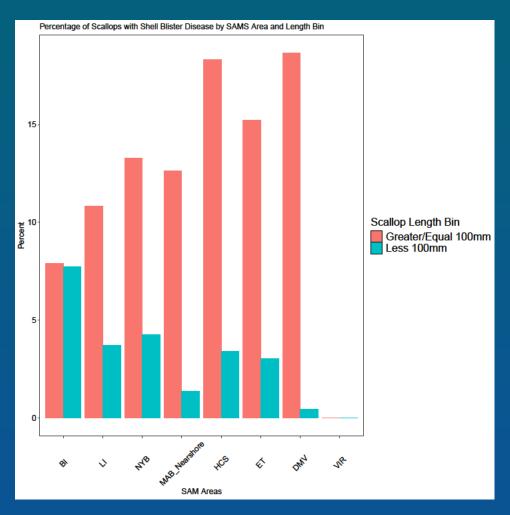


South Deep scallops April 18, 2022



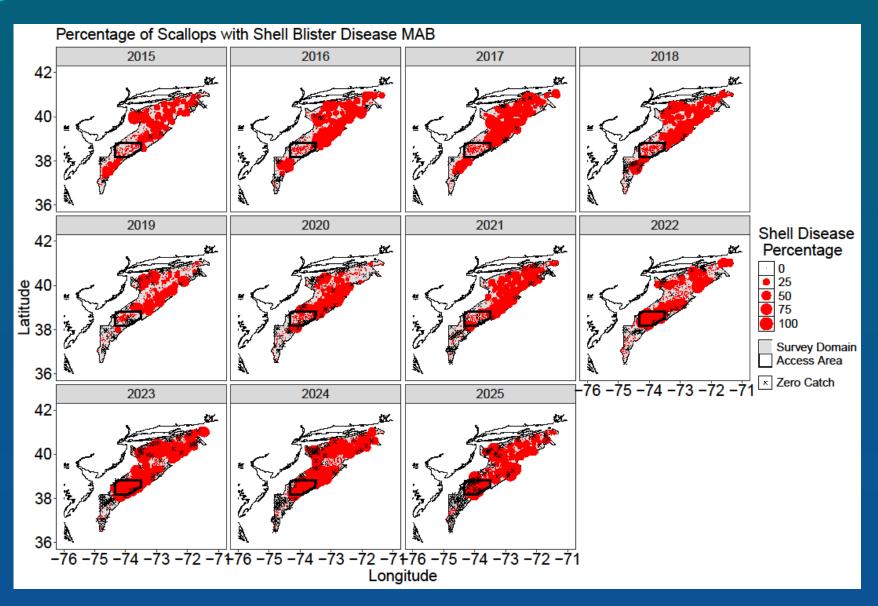
- Greatest number of blisters observed in 2016 – 2018 and again in 2020 – 2023
- Overall decline across all SAMS Areas in 2025
- Highest percentage of shell blister has been observed in the ET & HCS





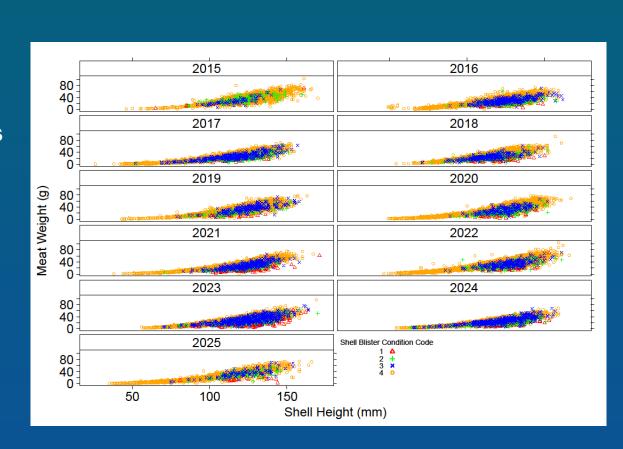
- Shell blister not observed as frequently in scallops less than 100 mm
- Trend is similar since 2023





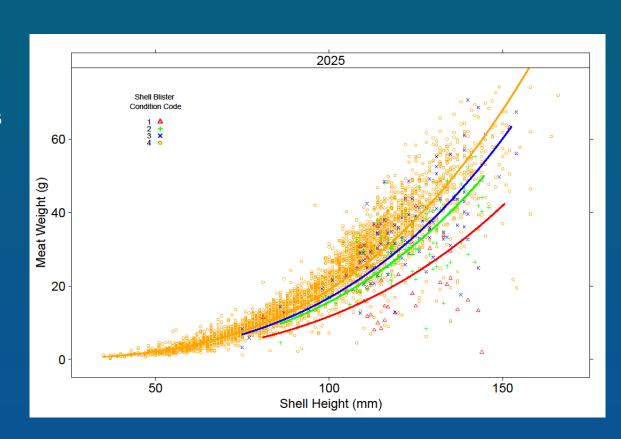


- Shell blister can impact meat quality & yield
- As blister severity increases meat becomes stringy & discolored
- SHMW relationship is lower than expectation
- Preferred SHMW models in MAB since 2020 have an interaction of latitude & disease condition



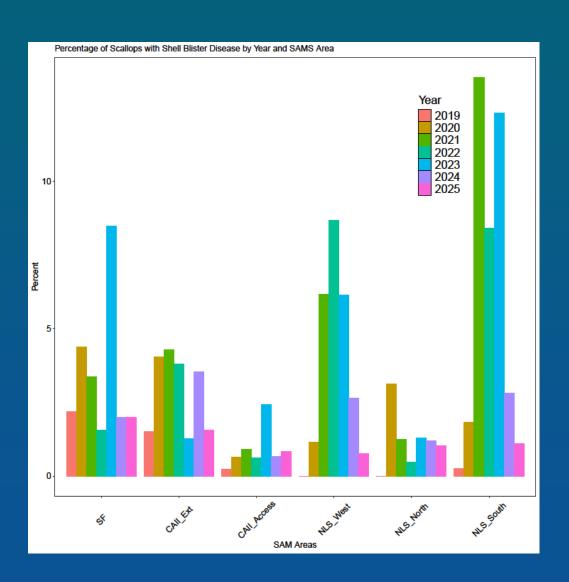


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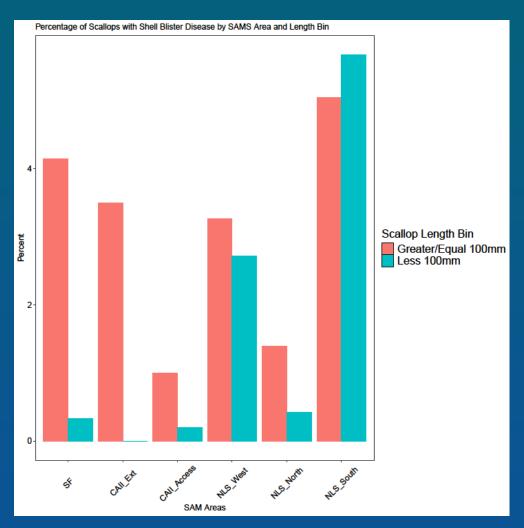




- High percentage of shell blister disease in NLS_West & NLS_South
- No consistent trend across SAMS Areas

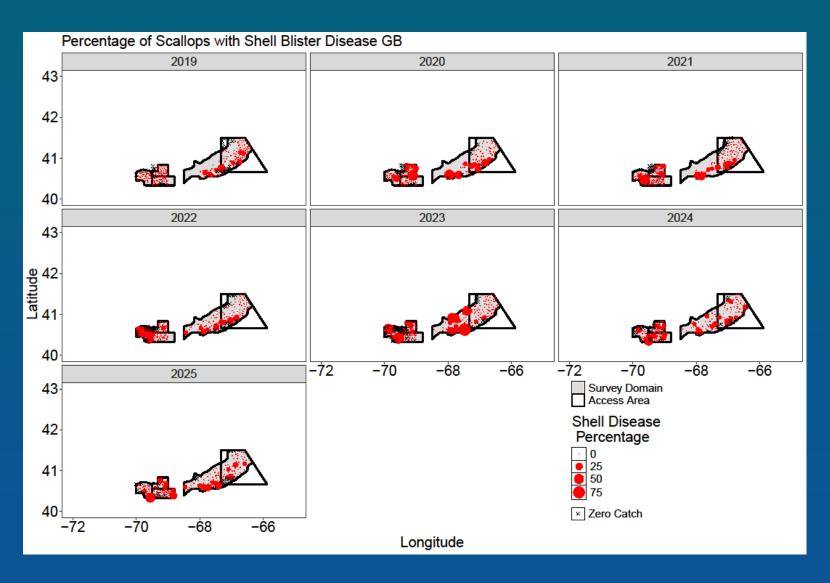




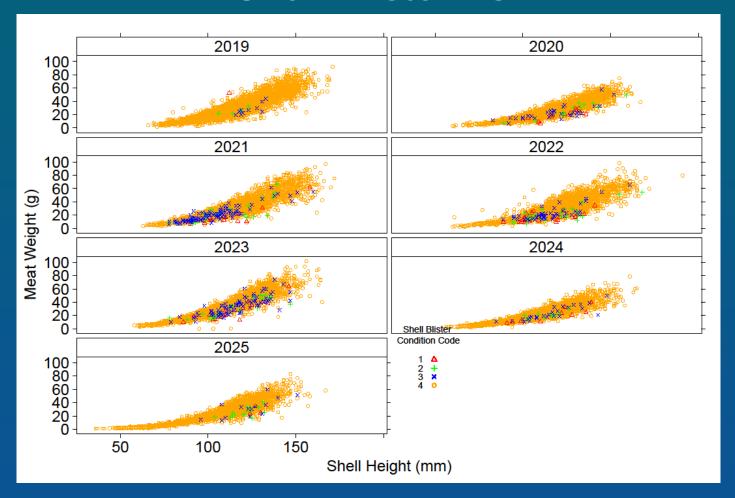


- Not as clear of a signal on GB
 - Similar results since 2023



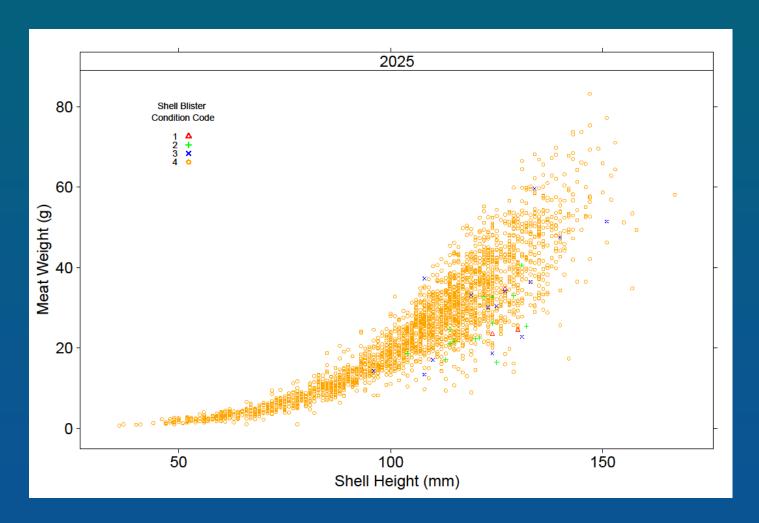






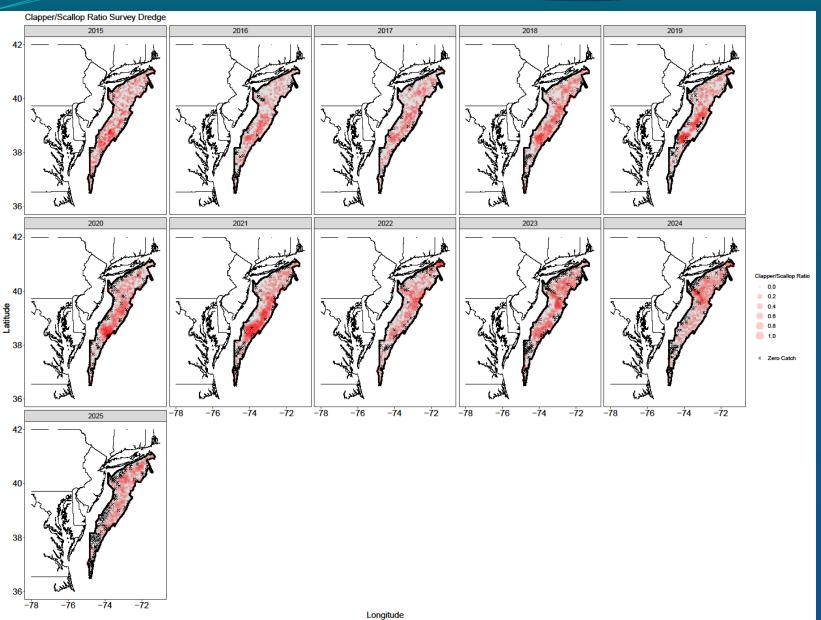
SHMW relationship not generally impacted by shell blister disease





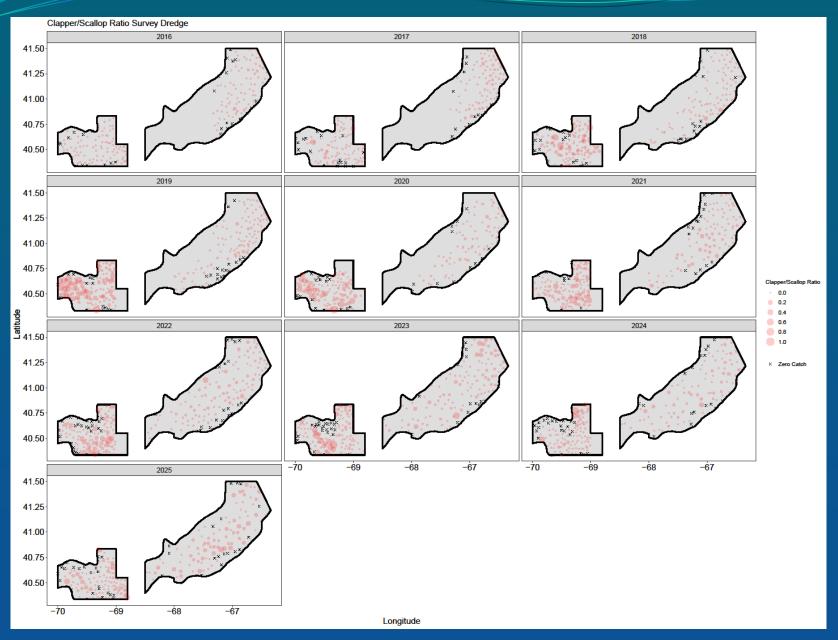
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MAB Clappers



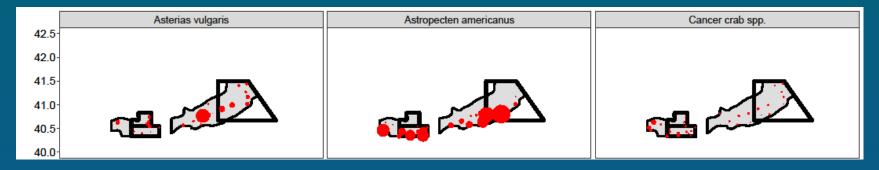
VHV15

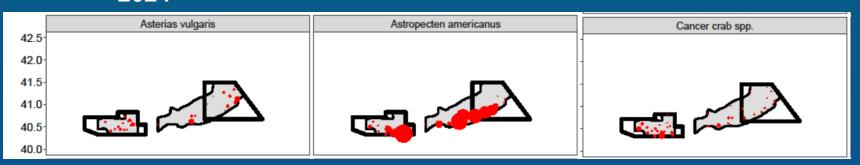
GB Clappers

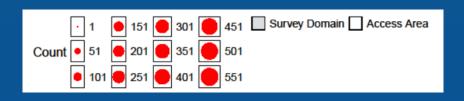


GB Predators



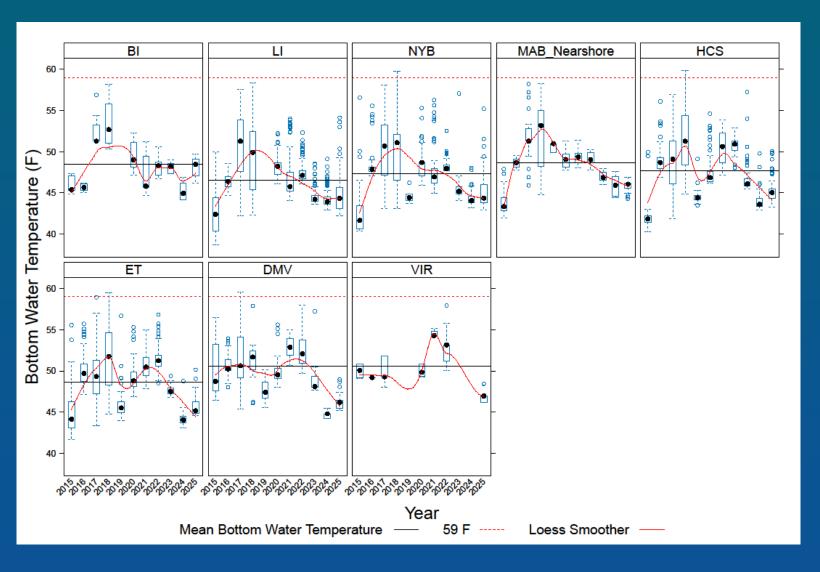








MAB Bottom Water Temperature





GB Bottom Water Temperature

