



GMRI Monitoring Activities 2019/2020

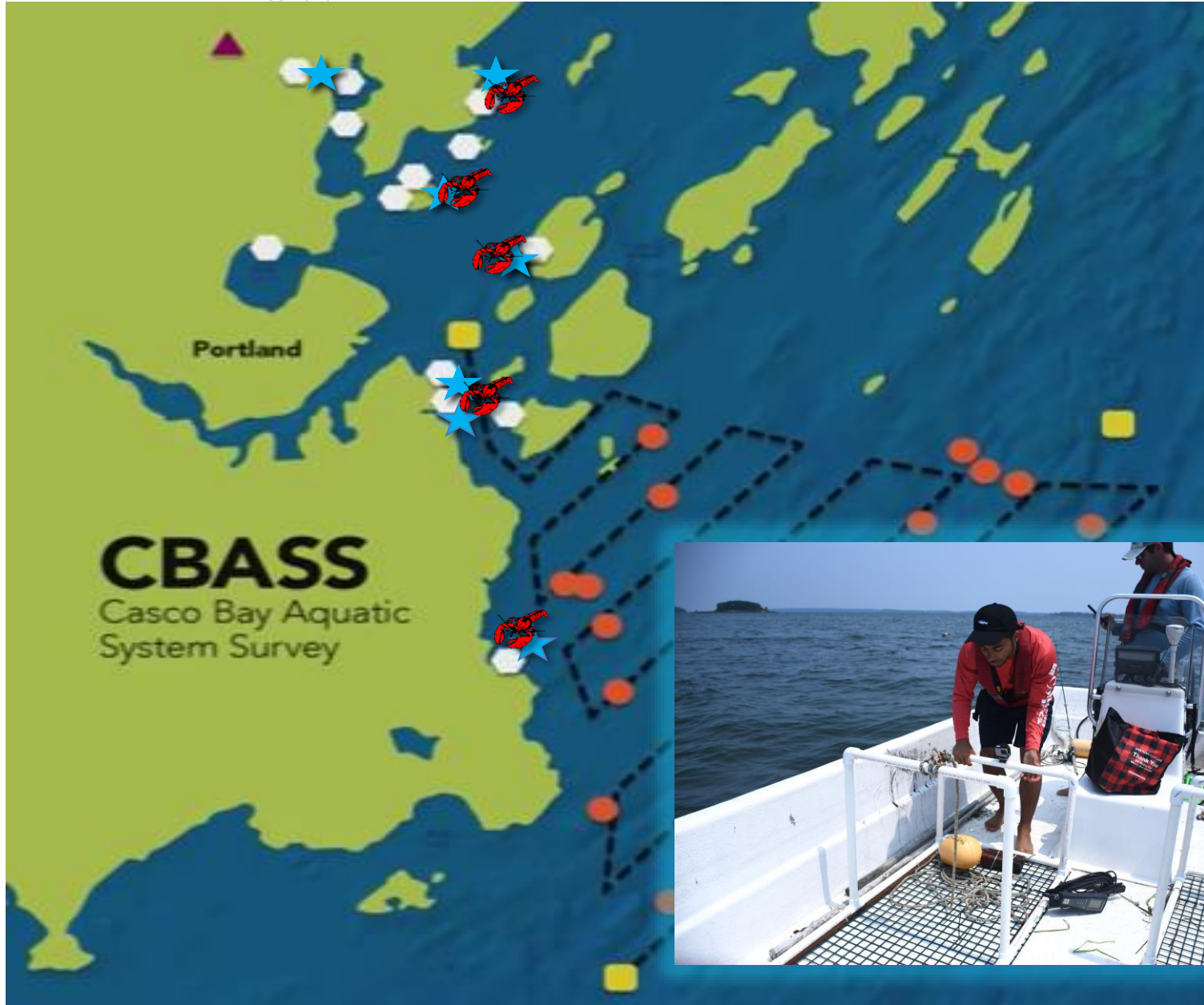
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**Gulf of Maine
Research Institute**

Science. Education. Community.

2019: CBASS + REU





2020 Plans

- CBASS (river monitoring/seining)

Habitat Responses: *Are habitat changes affecting fisheries and harvests?*

Food Web: *What are the major components of the Casco Bay food web?*

Food Web: *Are changes in climate affecting the Casco Bay food web?*

- eDNA

Habitat Responses: *Are area or health of key coastal habitats changing?*

Food Web: *What are the major components of the Casco Bay food web?*

- Mussel $\delta^{15}\text{N}$

Nutrients and Water Quality: *What are the most important sources of nutrients, especially nitrogen and phosphorous, entering Casco Bay?*

Nutrient Status: *Are there locations within Casco Bay where elevated nutrient levels are likely to cause water quality problems?*