

SHELL DAY AUGUST 22 2019

Ocean Acidification Monitoring Blitz

http://necan.org/shellday

Sea Grant

Canada Research NGOS

NERACOOS

NECAN The Northeast Coastal

Acidification Network

AAOM





ARC GIS Story Map

SHELL DAY FIELD DESIGN



Low, mid, and high tide samples collected at each station by monitoring organizations

Samples collected using a bucket, pole, or a grab sample to collect water from field sites

Field duplicates were collected at low and high tide

Field duplicates had very good agreement, both in absolute terms and relative to the alkalinity observed at each station





Captured a wide range of alkalinity across all the sampling stations (caveat: this is not all the data yet)

Overlain on information about estuarine use (e.g. aquaculture or shellfish beds), these data could indicate regions that could be targeted for more study, especially with additional carbonate system parameters



"to serve as a forum for the development of goals and priorities and address regional coastal and ocean management challenges with creative solutions."

How does Shell Day interface with the priorities for our region ?

Water Monitoring Organizations

Harbor Watch

- Clean Up Sound and Harbors MA Save the Sound
- Coalition to Save Hempstead
- Harbor
- Save the Bay- Westerly
- Dominion Energy
- Shellfish Commission Members
- Norm Bloom & Son Oysters
- Fisher's Island Oyster Farm
- CT Shellfish Industry
- The Nature Conservancy
- Kelp Hatcheries
- Project WET Water Education for Teachers
- Roger Williams University Monitoring Partnerships
- Roger Williams University
- East Coast Shellfish Growers Association
- URI Watershed Watch Program URI Monitoring Partnerships Brown U. Monitoring Partnerships

- Mystic River Watershed Association
- Charles River Watershed Association
- Neponset River Watershed Association
- North and South Rivers Watershed Association
- Buzzards Bay Coalition
- Upper North Shore Region of MassBays
- Nashua River Watershed Association
- Ipswich River Watershed Association
- Blackstone River Watershed Association
- Salem Sound Coastwatch
- Massachusetts Rivers Alliance
- Cohasset Center for Student Coastal Research
- Center for Coastal Studies- Provincetown
- National Park Service- Cape Cod
- The Massachusetts Shellfish Officers Association (MSOA)
- Mass. Aquaculture Association / Island Creek
- Aquaculture Research Corporation
- Falmouth Water Stewards
- Town of Mashpee

- Maine Coast Observers Alliance
 ME MCOA
 - Georges River Tidewater Association
 - Damariscotta River Association
 - Sheepscot Valley Conservation Association
 - Medomak Valley Land Trust
 - Kennebec Estuary Land Trust
 - Boothbay Region Land Trust
 - Rockport Conservation Commission
 - Friends of Casco Bay
 - Mook Sea Farm
 - Bowdoin College Partnerships
 - Hancock County Soil and Water Conservation District
 - Schoodic Institute
 - Mount Desert Biological Laboratory
 - Island Heritage Trust
 - Friends of Blue Hill bay
 - Maine Maritime Academy
 - University of Maine Partnerships