



*September 2014*

Welcome to the second edition of the Gulf of Maine Council Climate Network Bulletin, which links to the latest [Gulf of Maine Region Quarterly Climate Impacts and Outlook](#). We hope this e-news update will be helpful to people throughout the region: please circulate it among your networks.

The Gulf of Maine Council on the Marine Environment, a US-Canadian partnership, works to sustain the environmental quality and well-being of the Gulf's watershed—which encompasses much of Massachusetts, New Hampshire, Maine, New Brunswick and Nova Scotia. Its Climate Network brings together planners and scientists from around the Gulf of Maine to raise awareness about climate impacts and inspire effective action in local communities—where residents experience first-hand the effects of changing conditions.

For recent climate news stories from around the Gulf of Maine region, visit the [Climate Network news page](#).

### Events

**2014 Rising Seas Summit** - From September 24-26, the 2014 [Rising Seas Summit](#), *Developing Resources to Inform Decision Making and Planning for Resilience*, will be held in New York City. The 2014 summit will feature plenary sessions, meetings, workshops, and discussions that examine best practices for modeling and planning related to the challenges associated with sea level rise, adaptation planning, and disclosing climate risk.

**Gulf of Maine King Tides Photo Contest** – October 9, 2014. Along the 7,500-mile Gulf of Maine shoreline, an extreme high tide on October 9, 2014 will illustrate what may become—with sea-level rise—the new tidal norm. Participants in the first-ever [Gulf of Maine King Tides Photo Contest](#) will document how the astronomical high tide that day affects wharves, causeways, marshes, beaches and other coastal settings. Interested citizens are encouraged to join the contest—submitting images from their cameras or smart phones. The GOMC Climate Network is coordinating this event with more than a dozen partner organizations throughout the region: see website for more details.

### New Resources

**Regional Climate Dashboard** – The Gulf of Maine Council Climate Network is hosting a new [climate information dashboard](#) that provides multiple links to recent and real-time data sources (e.g., temperature, precipitation, stream flow, drought, sea temperature, sea wave height, snow, soil temperature, heat stress forecasts, and storms).

**New Brunswick Climate Change Adaptation Project Profiles** – This document (available at <http://atlanticadaptation.ca/node/397>) contains information on the New Brunswick Environmental Trust Fund (ETF) adaptation projects funded for 2013-2014, a brief description of two ETF projects, and information on adaptation toolkits. Included are findings from the Gulf of Maine Council Climate Network's study, [Municipal Climate Adaptation around the Bay of Fundy: Status and Needs](#).

**Reducing Coastal Risks** - The National Academies Press has released [Reducing Coastal Risks on the East and Gulf Coasts](#), a report that reviews the coastal risk-reduction strategies and levels of protection that have been used along the East and Gulf Coasts of the United States to reduce the impacts of coastal flooding associated with storm surges. This report evaluates the effectiveness in terms of economic return, protection of life safety, and minimization of environmental effects.

**Nuisance Flooding** - NOAA recently produced a report on [Sea Level Rise and Nuisance Flood Frequency Changes around the US](#) – NOAA has issued a report documenting how nuisance flooding, caused by rising sea levels, has increased along US coasts between 300 and 925 percent since the 1960s.

**Coastal Hazards Portal** - The US Geological Survey has released a new [Coastal Change Hazards Portal](#) with interactive products and information on extreme storms, shoreline change and sea-level rise. An introductory tutorial outlines how to find and use data.

**2014 National Climate Assessment Teaching Guides** - NOAA, the National Climate Assessment Education Affinity Group, and members of the CLEAN Network have developed a [series of guides for educators](#) that focus on the regional chapters of the 2014 National Climate Assessment Report. The guides feature resources, lesson plans, videos, and visualizations for each region—including the [Northeast Region](#)—that are aimed at helping educators and students gain a deeper understanding of climate science and the implications of climate variability and climate change.

**ESIP Newsletter** – The [first annual newsletter](#) of the Gulf of Maine Council's *EcoSystem Indicator Partnership (ESIP)* discusses past and future activities, the status of ESIP factsheets, updates on the online monitoring map, and important ESIP partnerships and projects.

### **Results Published of Global Survey on Tools to Address Climate Impacts on Marine Ecosystems**

The Ecosystem-based Management Tools Network conducted a survey last fall of tools and resources used to address climate change impacts on marine ecosystems. To learn which tools were cited most often and see a list of tools in active use for marine climate change adaptation projects, visit <http://openchannels.org/software-tools/climate-change-tools>.