**New Hampshire State Climate Office**

Mary D. Stampone, State Climatologist

University of New Hampshire

c/o Department of Geography

73 Main Street

Durham, NH 03824



Phone: 603-862-3136 Fax: 603-862-4362

mary.stampone@unh.edu http://www.unh.edu/stateclimatologist/

The New Hampshire State Climate Office (NHSCO) resides within the Department of Geography at the University of New Hampshire – Durham, a land-, sea-, and space-grant institution. In concert with the mission of the University of New Hampshire, the goal of the NHSCO is to:

* provide New Hampshire citizens and other constituents with climate information at the local, county, and state levels.
* conduct research on climate-related issues relevant to the state of New Hampshire and its residents.
* be a resource in climate science for educational and outreach purposes.

The office underwent some exciting changes during the summer of 2008, including a new campus location and a new State Climatologist. Shortly after Mary Stampone became the New Hampshire State Climatologist in August of 2008, the NHSCO moved into a newly renovated space in Huddleston Hall. This move spurred a reorganization of the NHSCO analog data inventory, leading to the recovery of original, hand-written weather records dating back to the late-nineteenth century. Many of these records are now being preserved and archived by the New Hampshire Historical Society.

**ARSCO Qualifications**

The following activities address the NHSCO’s qualifications as an ARSCO.

*Communications capabilities*:

* Redesigned the NHSCO website (http://www.unh.edu/stateclimatologist/) to allow users, with various interests and skill levels, direct access to climate data from a variety of data repositories. Information on each dataset is also provided to allow users to identify the data source that is most appropriate for their purpose and level of expertise.
* Provide free data via the internet, email, telephone and regular mail.
* Advise and provide expertise in areas of climatology and climate science over the phone, in person, and in print.

*Information services:*

* Responded to over one hundred data requests from New Hampshire citizens, businesses, schools, and organizations.
* Granted over a dozen media interviews, including newspaper, radio, and television, on topics ranging from trends in New Hampshire climate to seasonal forecasts to explanations of recent weather events. 2008 was an interesting year that included record-breaking snowfall, summer flooding, a devastating tornado, and devastating ice storm.
* Consulted as an expert reference on ice storms for an upcoming episode of the MSNBC docudrama “*Extinction Earth.*”
* Updated climate statistics for select New Hampshire stations.

*Research:*

* Began organizing and cataloging New Hampshire state data resources including analog data records maintained by the NHSCO and digital records provided by national organizations for upcoming research.

*Outreach:*

* Assisted four, and consulted with several other, teams in preparation for the Fall 2008, New Hampshire Lego League competition. New Hampshire climate and climate change was the theme for 2008. Team projects included the influence of climate change on New Hampshire greenhouse gas emissions, maple syrup and honey production, bear populations, and winter recreation to name just a few.
* Participated in the Newmarket, NH school job fair.
* Spoke to students about careers in weather and climate.

*Monitoring and impact assessment:*

* Performed basic maintenance and served as contact person for the two NOAA Climate Reference Network (CRN) stations located in southern New Hampshire.
* Began plans to implement a CoCoRaHS monitoring network in New Hampshire.