



ACADIA NP • APPALACHIAN NST • BOSTON HARBOR ISLANDS NRA • MARSH-BILLINGS-ROCKEFELLER NHP • MINUTE MAN NHP
MORRISTOWN NHP • ROOSEVELT-VANDERBILT NHS • SAINT-GAUDENS NHS • SAUGUS IRON WORKS NHS • SARATOGA NHP • WEIR FARM NHS

Citizen Scientist Volunteers Needed for Monitoring Project!

The NPS's **Northeast Temperate Network (NETN)** monitors the ecological health of 12 national parks in the Northeast. Help is needed to collect data in Vermont's **Marsh-Billings-Rockefeller National Historical Park**.



Red maple flowers. Annaktratin Rose photos

What Are We Monitoring and Why Does it Matter?

Help is needed to observe the **phenology** of budding, leafing and blooming plant and tree species in the park. Phenology, or "nature's calendar", is the study of the timing of annual biological events, such as the beginning and end of flowering and leaf-out of plants, bird migration, the first calls of amphibians in spring, and numerous other natural events. Phenology is key to many aspects of human life, and is important to pollination and many ecological inter-relationships. This data will help to inform the best decisions for park management and to monitor the pace of **climate change** in the region.

How You Can Help - **Volunteers Needed** for Blooming, Budding and Leaf Out Observations

Monitoring phenological events in the park will involve visiting a study site at least weekly, but ideally every other day during periods when phenology is changing quickly, such as in the spring.

NETN has teamed up with the **USA-National Phenology Network (NPN)** and volunteers will use their website to submit data. Volunteers can collect data in the spring, summer, fall or any combination of the three seasons. Those with interest can optionally be trained to maintain automated audio and photo recording devices for amphibians, birds, and wildflowers.

Want to Learn More About Phenology and Get Involved as a Citizen Scientist?

See below for details of an upcoming workshop about how to recognize phenophases of target plant species, record observations, and navigate the NPN website to submit repeat observations. monitor phenology this spring. Attendees can either be people who want to volunteer in the park or who just want to learn more about phenology.



Learn more on the web:

For a more complete description of phenological research, dive deeper and download the phenology program brief from NETN's website: <http://go.usa.gov/3cRpJ>

USA-NPN Website:

https://www.usanpn.org/natures_notebook

Phenology Observation Workshop:

When: Saturday, April 11th

Where: Forest Center of Marsh-Billings-Rockefeller NHP in Woodstock, VT

Time: 10:00 AM to 12:30 PM

Contact Info: Ed Sharron

802-457-3368 ex. 23

ed_sharron@nps.gov

