

# Resources for Citizen Monitoring

## **Ecological Monitoring and Assessment Network (EMAN) – Environment Canada**

EMAN has developed standardized protocols that engage local groups in environmental monitoring. Community volunteers gather information to detect early indications of change. Information is then shared with decision-makers and linked to adaptive management.

<http://www.eman-rese.ca/eman/>

## **Environmental Alliance for Senior Involvement (EASI)**

EASI works with senior volunteers as community environmental mentors engaging multigenerational teams to monitor the environment. Senior Environment corps have monitored plants, animals and soils across the country. EASI manages several online resources for volunteers to post their monitoring results.

<http://www.easi.org>

## **Wildlands CPR (Center for Preventing Roads) Monitoring and Surveying Resources: Inventory Forms**

Wildlands CPR has forms and protocols for volunteer documentation of illegal motorized use of public lands, and for completing inventories of existing roads.

<http://www.wildlandscpr.org/resourcelibrary/misc/Monitoring.htm>

## **Volunteer Water Quality Monitoring National Facilitation Project**

This project provides support for volunteer monitoring programs run through County Extension Agencies. Their website contains information on designing a monitoring program, links to programs across the U.S., research on volunteer monitoring, and databases of volunteer monitoring data.

<http://www.uwex.edu/ces/csreesvolmon/>

**National Water Quality Monitoring Council's *Framework for Monitoring*.** Illustrates the use of the National Environmental Methods Index (NEMI), which highlights national efforts to coordinate and collaborate in water quality monitoring in order to promote data comparability.

<http://water.usgs.gov/wicp/acwi/monitoring/>

## **U.S. Environmental Protection Agency – Volunteer Monitoring**

The EPA's volunteer monitoring page has fact sheets and methods manuals; a link to the EPA produced citizen science newsletter, "The Volunteer Monitor"; the National Directory of Volunteer Environmental Monitoring Programs, and related links.

<http://www.epa.gov/owow/monitoring/vol.html>

## **Wilderness.net Volunteers and Partners Toolbox**

The purpose of the Volunteers and Partners Toolbox is to provide wilderness managers and others interested in stewardship of the National Wilderness Preservation System with information, guidelines, examples, and other resources about managing volunteers and partnerships in wilderness.

<http://www.wilderness.net/index.cfm?fuse=toolboxes&sec=volunteerPartner>

## **Canadian Community Monitoring Network**

The CCMN pilot was Canada's first Community Based Monitoring network. The model, factors for success and lessons learned from the CCMN pilot provide a resource to any community interested in environmental monitoring. The CCMN toolbox and library contain links and resources to guide planners through all stages of developing a citizen monitoring project.

<http://www.ccmn.ca>

## **North American Invasive Plant Mapping Standards**

The North American Weed Management Association (NAWMA) has formulated these standards for weed mapping to attempt to make data from different mapping efforts compatible.

<http://www.nawma.org/documents/Mapping%20Standards/Invasive%20Plant%20Mapping%20Standards.pdf>

**Broadening Participation in Biological Monitoring: Guidelines for Scientists and Managers**

The National Commission of the Science of Sustainable Forestry (NCSSF) commissioned the Institute for Culture and Ecology to develop a handbook to help forest managers create effective participatory biodiversity inventory and monitoring programs. <http://www.ifcae.org/projects/ncssf3/>

*Compiled by the University of Montana Wilderness Institute, [www.forestry.umt.edu/wi](http://www.forestry.umt.edu/wi), May 2006.*