

State	Program	URL	Mission	Description	Partners	Curriculum	Service
CO	City of Ft. Collins Master Naturalist	www.fcgov.com/naturalareas	Our mission is to increase citizen awareness of natural areas; promote understanding of natural systems; and to foster each individual's realization of the importance and meaning natural places add to our lives.	We have a natural resource focus. We are a community-based (municipal) program. We offer about 60 hours of training focused on local ecology and presentation skills. Volunteers then lead educational programs for the public. Each volunteer commits to 50 hours of service after the training. We are not for profit, part of the local government funded by taxes.	All non-formal partners: Other parts of the city organization (e.g. utilities) Colorado Division of Wildlife provides training (e.g. Project Wild) Colorado State University provides expert speakers for our training.	Over 70 hours of training, including presentations by participants; Your Natural Areas Program; Aquatic Invertebrates; Native Trees and Shrubs; WaterSHED Education Activities; Taxonomy, Ecology, Life Zones; Mammals of Fort Collins; Geology; Wildlife Management; Prairies and Prairie Dogs; Art and Science of Interpretation; Native Grasses and Forbs; snakes; birds; butterflies	Master Naturalists are required to do 50 hours of service. Activities include leading field trips, staffing a table at an event, leading nature hikes, giving slide shows, and other education and outreach activities.
CO	Denver Zoo			I manage multiple outreach programs, often in partnership with other organizations. These include a Witness for Wildlife program in Colorado, the Front Range Pika Project citizen science program in Colorado, a wildlife conservation education and outreach program in Kenya, habitat restoration projects, and other initiatives in Colorado and Nebraska that are in development.			
CO	Native Plant Master TM	www.conativeplantmaster.org	The mission of the Native Plant Master Program is to educate the public about native plants in order to foster stewardship, sustainable landscaping and management of weeds that threaten native ecosystems.	1. Have a natural-resource focus – The Native Plant Master TM (NPM) Program focuses on teaching the public about native and non-native plants 2. Be community-based – NPM is a statewide program in Colorado open to all citizens 3. Offer a minimum of 20 hours of service-oriented education and training – In 2009, 384 hours of training was provided to 367 citizens through 32 credit NPM courses. An additional 929 citizens were educated in 16 non-credit courses about plant resources. 4. May not be a for-profit organization NPM is a program of Colorado State University Extension.	Adams County Parks & Comm. Resources, Barr Lake State Park, Bear Creek Lake Park, Bear Creek Nature Center, Betty Ford Alpine Gardens, Bluff Lake Nature Center, Boulder County Parks & Open Space, Broomfield Parks Open Space and Trails, Carson Nature Center- South Platte Park, Castlewood Canyon State Park, Chatfield State Park, City of Boulder Open Space/Mtn. Parks, City of Fort Collins Natural Areas Program, City of Fort Collins Neighborhood Services, Colorado City Parks Department, Colorado Springs Parks Department, Colorado Division of Wildlife, Colorado Mountain Club, Colorado Native Plant Society, Colorado State Parks, Colorado State Forest Service, Colorado State Parks Trails Program, Colorado Weed Management Association, Cortez Cultural Center, Crow Canyon Archaeological Center, Denver Botanic Gardens, Denver Parks & Recreation -- Greenhouse, Denver Parks & Recreation Dept, Douglas County Community Development, Douglas County Open Space, Earthlinks, Eagle County Weed Management, El Paso County Parks and Leisure Service, Evergreen Naturalists Audubon Society, Fort Collins Detail	Instructors for NPM are certified Native Plant Masters. Learning objectives for each of the three sessions that make up a NPM credit course are listed below. Sessions are four hours in length for a total of 12 contact hours for each 3-session course.  SESSION 1 – PLANT FAMILIES AND IDENTIFICATION  Learning Objectives – Participants in Session 1 will: 1. Learn how to identify plants and their families by using key characteristics and technical terms; 2. Learn about stewardship behaviors which promote natural resource conservation and social harmony on the trail; 3. Learn about relationships between plants through their families and scientific names; 4. Learn how to use a scientific plant key; 5. Develop learning resources for future reference; 6. Provide feedback to improve this course.  SESSION 2 – NON-NATIVE WEEDS AND OTHER ECOLOGICAL RELATIONSHIPS  Learning Objectives – Participants in Session 2 will: 1. Learn about Extension and what to expect for the remainder of the course; 2. Learn the difference between a native plant and a noxious weed, how non-native weeds affect native ecosystems and how weeds can be managed through integrated pest management. 3. Learn ecological values and/or detriments of plants through interrelationships with other plants, animals and the environment; 4. Learn more about how to use a scientific plant key; 5. Develop learning resources for future reference.	Apprentice volunteers may become certified Native Plant Masters by taking three NPM credit courses and educating at least 60 people using information learned in NPM courses.
CO	Forest Conservancy	www.forestconservancy.com	The Forest Conservancy is dedicated to protecting and preserving our White River National Forest.	The overall purpose of the Master Naturalist Program is to build a volunteer team who positively affects conservation. Combining community-based environmental science education with public service stewardship projects, Master Naturalists will boost the public's knowledge and appreciation of the fragile, diverse resources of the Forest. Participants will be 18 years or older. Three levels of certification - Master Forest Naturalist, Master Naturalist, Naturalist.	Colorado Division of Wildlife, Colorado Mountain College, USDA Forest Service, Wilderness Workshop, Roaring Fork Conservancy and Aspen Center for Environmental Studies. Pitkin County, City of Aspen, Town of Snowmass Village, Town of Basalt, Town of Carbondale, Carbondale Rotary, Elks Club, The Environment foundation, individual donors.	40 hours of training - general orientation, ecological concepts, geology and land forms, aquatic biomes, trees, plants, wildlife, entomology, current forest health issues, tools of the naturalist, the art of eco-education. Graduates will submit a Naturalist Project such as brochure, campfire talk, guided hike, eco-event materials, or educational outreach program. Projects will receive 2 continuing education units.	Master Forest Naturalists and Master Naturalists are required to provide 20 service hours/year; and Naturalists are required to provide 10 service hours/year. Categories for volunteer service: Ecological service, citizen science projects, education projects, interpretive projects.
DE	Delaware Certified Citizen Naturalist (CCN) Volunteer Program & Junior Certified Citizen Naturalist (age 8-12)	revamping volunteer website to be available April 1, 2007	The mission of Delaware's Certified Citizen Naturalist Program is to educate and train citizens across the state of Delaware to serve as volunteers in the communities, who will be trained to complete volunteer jobs in education, monitoring, restoration, conservation, and protection of Delaware's environment and natural resources.	Delaware Certified Citizen Naturalist program is a statewide volunteer program to create a network of volunteers who are trained as specialist to assist with projects and enhance Delaware's environment and natural resources. This network promotes communication between and among Delaware's communities for the Aquatic Resources Education, Wildlife, and Delaware Natural Heritage & Endangered Species sections within the Division of Fish & Wildlife (Dept of Natural Resources & Environmental Control. Goals: 1. Promoting awareness and citizen stewardship of natural resources through education and service programs. 2. To promote best practices for natural resources outreach and service programs and encourage stewardship of Delaware natural resources, while providing volunteer service. 3. To educate and train volunteers for an improved volunteer experience which is useful for self-promotion and/or life option changes. 4. To motivate volunteers to continue to reach specialized and advanced levels of training and to continue to learn naturalist skills by	primarily sponsored by Delaware Department of Natural Resources and Environmental Control's Divisions: Fish & Wildlife - Aquatic Resources Education program & Wildlife section's Natural Heritage program/Water Resources/Air & Waste/Soil & Water/DE State Parks and the Delaware National Estuarine and Research Reserve. Current partners are Delaware Dept. of Agriculture – Project Learning Tree and Forestry Division; University of Delaware - Cooperative Extensions (both Master Gardener and Community Traffic Safety programs). U.S. Fish & Wildlife Service – Bombay Hook National Wildlife Refuge, Polytech High School, as well as other schools and community youth centers from the City of Wilmington (Peoples Settlement and Dare to Care after school youth programs) and Delaware Ducks Unlimited, Greenwings Planning Committee. We also coordinate efforts internationally with birding experts from England to train our volunteers in Delaware Shorebird monitoring techniques. More partners are being acquired: Delaware Nature Society, Delaware Audubon Society, and other high schools and youth centers.	We are currently in the process of compiling all the information on the many curriculums that we use. We do have a guidebook that is given at the first mandatory training with CCN guidelines - rules and regulations. We are currently developing a revised new curriculum section to go into that guidebook to include specialized course description and shortened- versions of curriculums. The current specialized courses that we offer: Project Learning Tree (6 hr, tree ID); Project Wet or Healthy Water Healthy People (6 hr); Water Quality training at ARE Center (6 hr); Adopt-a-Wetland yearly workshop (2 days); Eco-Explorer (6 hr); Hooked on Fishing-Not on Drugs (6 hr, fishing training & ID); Invasive versus Native species (3 hr); Are you a Naturalist? (6 hr); DE Shorebird Monitoring Training (2 days); DE Amphibian Monitoring Training (6 hr); Waterfowl and Wetlands – Flying Wildlife workshops Training (2 days);	New requirements for 2007 certification: along with 20 hours of required training and education with mandatory orientation training. Each volunteer must also do at least 2 volunteer service events or 20 hours of volunteer service per year for the Advance Level. For regular level Certified Citizen Naturalist: 20 hours of training and at least 1 volunteer service event or 10 hours of volunteer service. Volunteer service includes doing events or educating the public. For example, we have Eco-Explorer guides who educate 5th grade students during the school year at the Aquatic Resources Education Center. We also have volunteers doing educational outreach to City of Wilmington youth in fishing, fish identification, and stewards of the streams, rivers, and ponds that they fish in using the Hooked on Fishing – Not on Drugs Curriculum.
FL	Florida Master Naturalist	www.MasterNaturalist.ifas.ufl.edu	to promote awareness, understanding, and respect of Florida's natural world	Florida - the Florida Master Naturalist Program (FMNP) is a statewide environmental education and interpretive training program that prepares graduates to promote awareness, understanding, and respect of Florida's natural world. The FMNP offers training in 3 independent ecosystem modules: Florida's Coastal Systems, Freshwater Wetlands, and Upland Habitats. Each 40-hr. module includes a complete curriculum with 4 videos, 12 presentations, and student and instructor reference workbooks. In addition to classroom education each module includes 3 field trips and has speaking and final project requirements. Each module provides information on ecological processes, habitats, flora and fauna, conservation issues, environmental ethics, and interpretive education techniques. A complete curriculum has been developed for advanced training modules, Conservation Science, Environmental Interpretation, Wildlife Monitoring and Habitat Evaluation. Each course is 24 contact hours which includes classroom presentations and practical hands-on	Florida Fish & Wildlife Conservation Commission, Florida Department of Environmental Protection. All 3 Federal National Estuary Research Reserves in Florida. Florida Sea Grant Program. City Parks, private nature centers, Audubon centers, local conservation foundations. Totalling 85 partner organizations	3 independent ecosystem modules: Florida's Coastal Systems, Freshwater Wetlands, and Upland Habitats. Each 40-hr. module includes a complete curriculum with 4 videos, 12 presentations, and student and instructor workbooks. In addition to classroom education each module includes 3 field trips and has speaking and final project requirements. Each module provides information on ecological processes, habitats, flora and fauna, conservation issues, environmental ethics, and interpretive education techniques. A complete curriculum is being developed for advanced training modules that will address a range of topics. Coastal Systems Module Overview: general ecology, habitats, vegetation types, wildlife, and conservation issues of Coastal Systems in Florida - Coastal Uplands, Estuarine, and Nearshore Marine Environments. The program also addresses societies role in coastal areas, develops naturalist interpretation skills, and discusses environmental ethics. Video series = Coastal Uplands, Coastal Estuaries, Coastal Nearshore Marine Environment, Society and the Coast; Presentation Series = • General Ecology of Coastal Systems • Coastal Amphibians/Reptiles • Marine & Estuarine Habitats • Saltwater Fish • Coastal Waterbirds • Invertebrates I (Corals, Jellyfish, Mollusks, Worms, Tunicates) • Coastal General birds • Invertebrates II (Echinoderms, Crustaceans, Insects) • Coastal Upland Habitats • Environmental Ethics • Coastal Mammals • Naturalist Interpretation Upland Habitats Module: general ecology, habitats, vegetation types, wildlife, and conservation issues of Upland Habitats in Florida - Hardwood Forests, Pinelands, Scrub, Dry Prairie, Rangelands and Urban green spaces. The program also addresses societies role in uplands, develops naturalist interpretation skills, and discusses environmental ethics. Video series = • Florida's Pine Habitats • Scrub, Dry Prairie, Rangelands • Hardwood Forests • Upland Habitats in the Modern Human Society; Presentation Series = • General Ecology of Upland Habitats • Pineland Communities • Hardwood Forests and Urban Green Spaces • Scrub, Dry Prairie and Rangelands • Birds I • Birds II • Mammals • Herptofauna (Amphibians and Reptiles) • Naturalist Interpretation • Invertebrates I • Invertebrates II • Environmental Ethics	Final projects have been used in schools by teachers, for community projects. Chapter volunteers assist instructors with education booths, projects, etc. Continued education credits (professionals) and in-service credits (teachers) are awarded by school boards and companies. Annual survey and in-service credits (teachers) are awarded by school boards and companies. Annual survey areas. FMNP videos are for sale and have been shown on PBS, in class rooms, and at nature centers for special topic presentations.
GA	Georgia Master Naturalist Program	http://www.warnell.uga.edu/Members/mengak/masternaturalist.pdf	The Georgia Master Naturalist program is an Adult Environmental Education course developed by the UGA Cooperative Extension Service and the Warnell School of Forest Resources for people who wish to be more informed about habitats, ecosystems, and the natural environments of our state. Mission The mission of the Georgia Master Naturalist Program is to provide unbiased, scientifically based information about environmental issues for adults.	The Georgia Master Naturalist program is a series of weekly programs with specific environmental topics. This program is a hands-on environmental education program that explores habitats and ecosystems in Georgia. The sessions are customized to local habitats such as swamps, sand ridges, ponds, rivers, wetlands, mountains, forests, urban landscapes and the issues affecting them. This program is combination of lectures and outside hands-on learning through field studies and relevant resource materials. The program subject matter can be adjusted to meet the needs of participants and local expertise. This course can also provide SDU's for teachers and others. An informed person can help make changes in their lives as well as their community and safeguard our environment. After completing this fun and interactive program, the Georgia Master Naturalists are encouraged to share their knowledge with their communities by volunteering in local schools or nature centers. We teach for 8 weeks - one day per week about 8 hrs per day - a total instruction	Self supporting for funding. Warnell School of Forestry and Natural Resources and the Cooperative Extension Service (county offices) support the program with planning, logistical support, and instructors.	Introduction (Program Overview, Resource materials, Geology, Hydrology, Natural Environments of GA); Basic Ecological Principles (Habitats, Succession, Ecological Cycles, Energy flow); Water Quality (Water cycles, TMDLs, Water Quality, Water Conservation); Native Plants (ID and use of plant keys, Plant structure, Habitat, Role of plants in ecosystem, Threatened/ Endangered plants); Forestry (Habitats, Value to community, Value to State, Economics, Tree Identification, Forest Management, Prescribed Burning, Landowner Assistance Programs); Wildlife (ID including tracks & sign, Wildlife management, Nuisance wildlife control, Landscaping for wildlife, Habitat relationships, Threatened/Endangered species); Birding (ID by sight & sound, Habitat, Migration, Ecology & Conservation); Agriculture (Overview of agriculture, Pesticide use, Agriculture economics and marketing, BMPs, Integrated pest management, Soils, Water management & irrigation, Waste disposal, Composting, Environmental Impacts); Urban Forestry & Environmental Awareness (Importance of urban forests, Backyard wildlife, Costs of maintaining urban forests, Proper planting techniques, Proper waste disposal, Recycling methods * costs)	Service is self-monitored by graduates of the program. They are encouraged but not required to participate in local community service based on local needs and individual abilities and interests.

IA	Iowa Master Conservationist	www.extension.iastate.edu/mcp	The Iowa Master Conservationist program is designed to assist citizens explore a broad range of conservation issues and topics. "Mastering" is a journey and this course is a first step. This course provides participants with accurate information, so that they may make informed decisions to carry out a sustainable lifestyle.	The course is modeled after the Master Gardener program, and participants meet for approximately 32 hours of hands-on educational sessions. In return, participants are expected to carry out at least 32 hours of volunteer activity in the broad area of conservation during the year following the class, in order to become a "Master Conservationist." . . .	Iowa County Conservation Boards; Iowa State University Extension; Iowa State University, Natural Resource Ecology & Management Department; Leopold Center for Sustainable Agriculture	Introduction & Physical Environment; Ecological Principles & Techniques; Wildlife Diversity; Water Quality; Woodlands; Prairies, Grasslands, Wetlands & Waterways; Sustainable Agriculture & Land Use; Waste Reduction & Energy Use	Participants volunteer in any of a number of capacities with any number of organizations within their counties. It has varied over the years from participating in river clean ups, to teaching youngsters about the importance of natural resources in Iowa. Volunteers track the hours they volunteer and submit the hours to the county extension office, which then forwards this information to Iowa State University, Extension Wildlife Specialist for statewide tracking of the program.
ID	Idaho Master Naturalist	www.idahomasternaturalist.org	The mission of the Idaho Master Naturalist Program is to develop a corps of well-informed volunteers to actively work toward stewardship of Idaho's natural environment.	The Idaho Master Naturalist Program launched in 2008. Currently there are 6 local chapters across the state. This program consists of 48 hours of service and 40 hours of training for participant certification. The program was developed and is housed by Idaho Department of Fish and game, but many organizations and agencies host local chapters.	Idaho Department of Fish and Game, Idaho Parks and Recreation, U of I Extension, the Leopold Project	<p>Citizen Science Track</p> <p>Chapter 1--Learning about the World through Science</p> <p>Chapter Goals: After completing this chapter, volunteers should be able to: Describe the steps in the scientific process &amp; understand that science is one way of learning about the world; Understand quantitative science methodologies and designs; Understand the benefits and shortfalls of using standardized research designs; Understand the concept of using samples and the importance of randomization in research; Identify at least three reasons for performing natural resource research; Identify a variety of data gathering techniques; Explain the importance of accurately recording data and following protocol during field studies.</p> <p>Chapter 2-Citizen Science-Practical Scientific Experience</p> <p>Chapter Goals: After completing this chapter, volunteers should be able to: Review a scientific article and identify the steps in the scientific process; Participate in data collection as a group &amp; learn how it fits into the larger scientific process; Demonstrate the ability to successfully use GPS receivers and read topographical maps; Identify and demonstrate proper field safety techniques and LNT principles.</p> <p>Education Track</p> <p>Chapter 1-Conservation Education Methods</p> <p>Chapter Goals: After completing this chapter, volunteers should be able to: Explore the variety of ways to perform conservation education in the community (brochures, displays, walks, tours, guided hikes, staffing a booth, giving a school program); Review different learning styles and multiple intelligences; Identify the parts of a lesson plan</p> <p>Chapter 2 -Interpretive techniques: Discuss what interpretation is; Discuss types of interpretation; Identify &amp; understand components of an interpretative experience; Understand differences between a topic and a theme and importance/functions each</p>	The IMNP is designed specifically to accommodate different service-need scenarios. Our Citizen Science Track will be piloted in a general format where participants are introduced to a variety of projects that partnering agencies have available. Participants will be allowed to seek out their own volunteer opportunity and upon approval, could serve with a non-partnering agency. The Conservation Education Track is designed to accommodate a particular place and subject matter. The Waterlife Discovery Center is an Idaho Dept of Fish & Game property (visitor center) that needs volunteers to deliver water-based curriculum to public & school groups. Participants in this track will join the program knowing that volunteer service will be performed at this facility with pre-determined themes and messages.
IL	Illinois Master Naturalist Program	http://web.extension.uiuc.edu/rockisland/mnaturalist/index.html	The mission of the University of Illinois Extension Master Naturalist Program is to provide science-based educational opportunities that connect people with nature and help them become engaged environmental stewards.	The Illinois Master Naturalist Program will address the need for environmental sustainability and stewardship in a state that is undergoing increasing urbanization, changing demographics, shifting land use, and a decline in outdoor recreational and educational activity use. With the recognition that people are not inseparable from their natural environment, there is an increased need for the University of Illinois Extension to partner with local, state and federal agencies and organizations to foster a citizen based system for conservation, help connect people to the science based research of University of Illinois and "grow" advocates who can give back to our local communities. The Illinois Master Naturalist Program will be an innovative volunteer education, outreach and service program dedicated toward the beneficial management of natural resources within local Illinois communities. By improving the public understanding of best management practices through hands-on field experience and unbiased science-based training, Illinois Master Naturalists can promote the education of conservation	The Illinois Master Naturalist Advisory Committee is currently networking with potential partners and sponsors in the development of the Illinois Master Naturalist Program and will complete formal partnership agreements later this year. Potential partners include: various departments within University of Illinois; Illinois Natural History Survey; Illinois State Water Survey; Illinois Geologic Survey; Illinois Department of Natural Resources; and The Nature Conservancy in Illinois.	Statewide curricula and training materials are currently being outlined and developed for the Illinois Master Naturalist Program. Since 2005, the two Master Naturalist pilot programs in Illinois utilize the topics, objectives and minimum training/advanced training hour requirements of the Texas Master Naturalist Program. The Illinois Master Naturalist Program curricula will include topics on systems/processes/management (i.e. forests, aquatic ecosystems, prairie, wetlands, rivers, agriculture, wildlife), natural history, interpretation, and specific naturalist fields of study (i.e. botany, soil science, geology, ornithology, archaeology). The curriculum will be made up of a core curricula and a series of elective topics yet to be determined. Though Illinois has not determined the minimum number of training and advanced training hours to complete and maintain certification, the Illinois Master Naturalist Program will comply with the minimum standards required to be an ANROSP member program (20 hours).	to be determined
IN	Indiana Master Naturalist Program	www.in.gov/dnr/masternaturalist/	The mission of the Indiana Master Naturalist program is to bring together natural resources specialists with adult learners to foster an understanding of Indiana's plants, water, soils and wildlife, and promote volunteer service in local communities.	<p>Our Purpose:</p> <ul style="list-style-type: none"> <li>• Provide an introduction to Hoosier natural resources through the eyes of resource professionals and experts in the field</li> <li>• Provide an educational opportunity to individuals 18 years or older</li> <li>• Provide an opportunity for class participants to establish a short or long-term partnership with a natural resources agency or a local organization involved in natural resource management by volunteering as part of the class</li> <li>• Provide a financially self-supporting program</li> </ul> <p>The Indiana Master Naturalist Program is an organization that provides adults with hands-on opportunities to learn about our Hoosier natural resources. This includes ways to then share that knowledge through volunteer service performed for local natural resource agencies.</p>	Resource Conservation and Development Councils, Indiana Soil and Water Conservation Districts, Purdue University Cooperative Extension Service, Indiana Department of Natural Resources, City and County Park Districts, Local Land Trusts, and other similar organizations.	Each course contains eight three-hour sessions, consisting of one geology/soils, one water, two botany, two zoology, one people and natural resources, and one miscellaneous. Workshop outlines must be pre-approved by the Indiana Master Naturalist (IMN) Advisory Council.	Each student must complete one hour of service per one hour of coursework. Service hours must be spent directly benefiting a natural resource agency.
KS	Kansas Master Naturalist	www.kansasmasternaturalist.org	The mission of the Kansas Master Naturalist Program is to develop knowledgeable and dedicated citizens who are active in promoting awareness, understanding, and stewardship of our state's natural heritage.	An interested group of individuals is in the process of forming a Master Naturalist program in Kansas modeled after the many successful Master Naturalist programs around the US. We are in the very early stages of formation at this time, and feel that membership in ANROSP will help guide the program as it develops. A program development committee has been convened, and is in the process of developing objectives for the program. The Kansas Master Naturalist Program will have a natural resource focus, be community-based, offer service-oriented education and training, and will not be a for profit organization.	Kansas Department of Wildlife and Parks, K-State Research and Extension, Konza Prairie Biological Station, Great Plains Nature Center, Prairie Park Nature Center, Kansas Forest Service, and Kansas Association of Conservation & Environmental Education.	A curriculum sub-committee has been formed, and will meet to explore existing resources to determine what's done, what can be adapted, and what has yet to be developed for a comprehensive Master Naturalist training for Kansas. The group will also review curricula and collaborate with Master Naturalist Programs from nearby states (Nebraska, Oklahoma, and Missouri). Training manual and curriculum resources/templates from ANROSP will also be considered.	The program development committee hopes to enrich the lives of the volunteers participating in the Kansas Master Naturalist Program by providing them with high quality professional development, networking, and opportunities to serve their communities in a variety of ways. In turn, Kansas Master Naturalists will be expected to volunteer their time and talents to promote awareness, understanding, and stewardship of our state's natural heritage. Examples of service my include, but are not limited to: volunteering at nature centers, parks and zoos, trail development/maintenance, tabling at natural resource education events, presenting activities for school or community groups, invasive species removal, tree planting, leading hikes, assisting boy/girl scout programs, presenting programs on natural resource topics, and more!
MD	Maryland Master Naturalist	www.MasterNaturalist.umd.edu	The Maryland Master Naturalist Program engages citizens as stewards of Maryland's natural resources and ecosystems through science-based education and volunteer service in their communities.	<p>Projected Program Goals: Promote awareness and appreciation of ecological resources in the State of Maryland - Develop a network of trained volunteers to serve as catalysts for local environmental conservation through education, research and stewardship; Provide a structured, science-based program to educate and certify citizens who maintain their lifelong learning quests as Maryland Master Naturalists - Engage citizens in environmentally focused volunteer service within their communities. Projected Outcome Summary: The goal of the Maryland Master Naturalist Program is to create a corps of citizen volunteers well trained in the fundamentals of natural history, nature interpretation and the interface of humans and nature in order to empower them to contribute their time and talents to responsible, science-based environmental stewardship. To do this, a program structure must first be developed and program facilitators must be trained before the first Master Naturalist volunteer can receive their training. In 2009, the structure of the program will be developed and initial training will be</p>	MD Department of Natural Resources; Maryland Association for Environmental and Outdoor Education; Howard County Conservancy; Patuxent National Wildlife Refuge	<p>Projected Volunteer Training: Core Curriculum: Unit I: Introduction to Maryland Natural History; Unit II: Flora &amp; Fauna identification and behavior; Unit III: Natural Ecology; Unit IV: How humans affect the landscape; Unit V: Teaching/Interpretation; Unit VI: Field techniques. Training Schedule: Pilot Program Facilitator Workshop: January 2010; Pilot Volunteer Training: March - May 2010, once weekly, six hours/day plus field trip. We are still working on the curriculum objectives, instructor list.</p>	The purpose of volunteer work is to provide a service to the community with regard to natural resources, and to help the volunteer gain knowledge and experience. Projects must either involve educating the public or enhancing the natural resources of the state. All ideas for volunteer projects must be approved in advance by the local Program Facilitator. If the Program Facilitator has difficulty deciding whether a project is appropriate, they should consult with the State Coordinator. All volunteer hours should be recorded by the volunteer on a personal log sheet and totaled by activity. This includes planning meetings and events, committee and administrative work, and time spent preparing for activities. What counts as volunteer hours? An activity that primarily benefits the volunteer (e.g. native plant garden in one's own backyard) will not count as volunteer hours. Projects on private lands must be open to the public. Only Master Naturalists scheduled to give a presentation may include preparation time as part of volunteer service hours. Travel time can be counted in excess of 30 minutes. Advocacy work cannot be counted as volunteer time

MN	Minnesota Master Naturalist	www.minnesotamasternaturalist.org	To promote awareness, understanding, and respect of Minnesota's natural environment by developing a corps of well-informed citizens dedicated to conservation education and service within their communities	Study the outdoors and make a difference. A Minnesota Master Naturalist Volunteer completes a 40-hour, hands-on course with expert instructors and fellow learners, studying natural history, environmental interpretation, and conservation stewardship. Participants receive detailed course manuals and certification of accomplishment. Final certification comes with the completion of 40 hours of volunteer service. To maintain Minnesota Master Naturalist Volunteer status, 40 hours of volunteer work is required each year thereafter.	University of Minnesota Extension, Minnesota Department of Natural Resources, National Science Foundation	3 modules, student text for each, 40 hrs of class & field each: Big Wood, Big Rivers; Prairies & Potholes; Northwoods--Great Lakes. Overall goals = To increase knowledge of Minnesota's natural and cultural history; to increase your ability to convey this knowledge in a variety of education settings and to a variety of audiences; To increase your ability to serve as a steward of the land; To help you become more knowledgeable, concerned and proactive about the natural environment; to help you become a life-long and self-directed learner. Big Woods classes = Introduction to the Natural History of Minnesota's Deciduous Forest; introduction to Minnesota Master Naturalist, ecology, and Minnesota's biomes; Rocks, Ice, and Dirt; Plant & animal Communities; interpreting: water and its flora & fauna; human impacts; capstone project	40 hours annually in approved service or education projects
MO	Missouri Master Naturalist	www.monaturalist.org	The Missouri Master Naturalist Program mission is to engage Missourians in the stewardship of our state's natural resources through science-based education and volunteer service in their communities.	Elements of the Missouri Master Naturalist program include a 40 hour course on Missouri natural history, natural communities, resource management and resource interpretation. An additional 8 hours of advanced training/continuing education is required annually, as is 40 hours of natural resource related volunteer service.	The program is sponsored at the state level by the Missouri Department of Conservation and University of Missouri Extension and School of Natural Resources. Local Chapters have additional partners. The list is extensive and includes the Big Muddy National Fish and Wildlife Refuge, several Missouri State Parks, county parks and recreation departments, National Audubon Society, local Audubon chapters, city parks departments, and more.	Each chapter determines the training schedule and invites local subject matter experts (MDC, Forest Service, University, etc.) to teach a portion of the course. All schedules & outlines are reviewed and approved in advance by the state coordinators to ensure all learning objectives are addressed. Each course is expected to address the following learning objectives: 1.Roles, responsibilities, and benefits of being a Missouri Master Naturalist: Trainees should understand the purpose and mission of the program – and they should commit to participate as a volunteer. This should be briefly discussed during the first meeting of the class; the mission of the program should be continually reinforced throughout subsequent training sessions. It shall also be the responsibility of the chapter training coordinators or other appropriate chapter representatives to inform and enforce appropriate Chapter Management Guidelines to the new Missouri Master Naturalist trainees of each class. 2.Historical perspectives of naturalists in Missouri and elsewhere: Naturalists were frontiersmen, pioneers, observers, interpreters and teachers. They were important in the history of our state. Master Naturalist training should include programs designed to create an appreciation for the role that these early naturalists played in Missouri and US history. Because many of the early naturalists kept accurate records of what they observed, this study can provide an interesting way for people to realize the changes in our landscapes over time. Also, studying those early "master naturalists" creates a sense of appreciation that goes along with the title of Missouri Master Naturalist. 3.Traditional disciplines of a naturalist: The original naturalists were botanists, entomologists, ornithologists, mammalogists, herpetologists, paleontologists and geologists. Professionals within these disciplines are available at universities, nature centers & research centers. These natural scientists are generally eager to share their disciplines and may be excellent teachers. An effective way to incorporate these disciplines into training sessions is in a field trip situation. Inviting natural scientists along as "Master Naturalist faculty" on field sessions is an effective way for Master Naturalists to be exposed to these disciplines first hand. Many of these are called in Master Naturalist training manuals.	Volunteers must provide 40 hours of service with approved partners within the first year and 8 hours of advanced training to certify, and 40 hours of service + 8 hrs advanced training every year thereafter to re-certify
MS	Mississippi Master Naturalist	http://coastal.msstate.edu/enviext.html	To develop an organization of knowledgeable volunteers to provide education, outreach, and service devoted to the beneficial management of natural resources and natural areas within their communities for the State of Mississippi under the guidance and supervision of Mississippi State University Extension Service, county directors, faculty, and staff.	To become a Certified Mississippi Master Naturalist, the trainee must complete a minimum of 40 hours of combined field and classroom instruction taught by regional experts, obtain a minimum of eight contact hours of approved advanced training, and complete a minimum of 40 hours of approved volunteer service. The objective of the program is to improve public understanding of natural resource ecology and management by developing a pool of local knowledge about natural resource ecology. This pool of knowledge can be used to enhance educational efforts within local communities and enhance existing natural resources education and outreach activities. Providing natural resources training at the local level develops a supply of dedicated and informed volunteers. The program also has the objective to expand the educational capabilities of extension efforts by the dissemination of natural resource management information to individuals and groups in the community.	Mississippi State University Extension Service	The Mississippi Master Naturalist Program Curriculum consists of 40 hours of course instruction taught in both the classroom and in the field. A total of seven classes totaling 40 hours of training are provided to approximately 25 students. The classes and field trips include information about, ecology, soils, ecosystems, ornithology, plant science, entomology, water quality, weather and climate, geology, forest management, archaeology, native plants, forest ecology, fisheries, and wildlife management. Classes are taught by natural resource professionals based on subject expertise. The course lecturers are professors, extension professionals, state and federal natural resource agents, and non-profit natural resource professionals. A pre- and post-test is given to all classes to determine the increase of natural science knowledge gained and to ascertain which subject areas need to be covered in more detail. This knowledge is used to update the curriculum and to determine the effectiveness of certain teaching styles and concepts.	A total of 40 pre-approved volunteer service hours are required per year for certification. The participants are provided volunteer opportunities through working with county extension directors, the United States Forest Service, National Oceanic and Atmospheric Administration, non-profit agencies, universities, 4-H programs, and other state and federal agencies. Volunteer hours are reported quarterly to the program leader. Some of the activities that have been conducted are water quality monitoring, phytoplankton monitoring, educational display booths for nature festivals, sea turtle monitoring, and educational activities at local schools.
NE	Nebraska Master Naturalist	http://naturalist.unl.edu	Educate a volunteer network dedicated to promoting the conservation of Nebraska's natural resources.	The Nebraska Master Naturalist Program is a public/private partnership that will recruit, train, manage, and provide incentives for volunteers in the natural resources participating in habitat conservation, environmental education, citizen science and ecotourism in Nebraska. An Advisory Committee will provide guidance and oversight of statewide activities and a full-time coordinator will develop and facilitate the program. The NMNP will become an essential source of volunteers for the Nebraska Natural Legacy Project, a statewide wildlife plan developed by the Nebraska Game and Parks Commission.	Nebraska Game and Parks Commission; University of Nebraska-Lincoln School of Natural Resources; Omaha's Henry Doorly Zoo; Audubon Nebraska; Papio-Missouri River Natural Resources District; Nebraska Dept. of Economic Development, Division of Travel and Tourism; University of Nebraska-Kearney; Chadron State College	Training modules: Ecological Principles and Concepts; Geology and Natural History of Nebraska; Local Ecosystem Types/Regions: Botany and Plant Communities; Entomology; Ichthyology; Herpetology; Ornithology; Mammalogy; Conservation Biology; OUTDOOR REQUIREMENT (6 hrs-1 day): Respecting nature, respect for conservation and landowners, searching without disrupting, reading the signs, interpretation	Annabel Lee Major, Scott Hygnstrom, Dennis Ferraro
NH	New Hampshire Coverts	www.NHCoverts.org	The NH Coverts program trains volunteers to promote wildlife habitat and forest stewardship	The NH Coverts project trains volunteers to return to their local communities & promote wildlife habitat conservation & sound forest stewardship. Volunteers commit to 40 hours of service. Training involves an intensive 3.5 day (overnight) workshops initial education, & ongoing continuing education opportunities.	UNH Cooperative Extension, NH Fish & Game, NH Division of Forests & Lands, US FWS, Ruffed Grouse Society	Initial intensive workshop includes Tree & plant ID; forest ecology; wildlife & habitat relationships; conservation biology; NH wildlife action plan; mapping; succession; silviculture; managing forest & grassland habitats; land conservation; effective outreach. Advanced training topics offered.	sign volunteer service agreement; 40 hrs annually
NJ	Volunteer Master Naturalist Certificate Program	www.stockton.edu/hshs	To improve public understanding of natural resource ecology and management by creating a local corps of trained volunteers to enhance existing natural resource education and outreach activities.	The Richard Stockton College or New Jersey Volunteer Master Naturalist certificate program includes both classroom-based and field based learning components and offers a broad range of natural resource and wildlife topics, delivered by academic and field experts in environmental education and research. It also provides trained volunteer opportunities for conservation services, interpretation activities and outreach at the Edwin B. Forsythe National Wildlife Refuge (the major partner with The Richard Stockton College of NJ, the lead agency) and at other environmental organizations within communities in southern New Jersey. The 40 hour certificate program includes five Wednesday evenings of instruction, totaling 10 hours, and four Saturday field experiences, totaling 24 hours. The schedule for the 2008 program is attached. A singular feature of the program provides an opportunity for participants to take additional training offered by the National Association for Interpretation. All VMN's take one evening of interpretation training as part of the VMN requirement (May 14 in	Besides the very strong partnership with the US Fish and Wildlife Service and the Forsythe NWR, Stockton has partnered with the New Jersey Department of Environmental Protection, the Barnegat Bay National Estuary Program, the Sedge Island Natural Resource Education Center, Ocean County Parks and Recreation, the Forest Resource Education Center, the Pinelands Preservation Alliance and the National Association for Interpretation.	Curriculum includes Ecology of Coastal Systems, Forests, Pinelands, Environmental Management, Marine and Estuarine Habitats, Mammals, Amphibians, Reptiles, Plants, and Interpretation. Instructors include professors from The Richard Stockton College, FWS staff persons, representatives from partner agencies, and the National Association for Interpretation's Certified Interpretive Trainer. (Several attachments included with course schedule, learning outcomes and the Certificate Interpretive Guide training description.	Volunteers may complete their 40 volunteer hours at the Forsythe Refuge or another approved environmental organization. Successful completion must be verified in writing by a supervisor from the agency where the work is performed. Among the projects on which volunteers are working at Forsythe are biological research, environmental education and ecotourism. The program maintains a part-time staff member to oversee and track volunteer hours, and maintain relationships with volunteer sites.
NM	New Mexico Master Naturalist						

NV	Nevada Naturalist	<a href="http://www.unce.unr.edu/programs/sites/nevadannaturalist/">www.unce.unr.edu/programs/sites/nevadannaturalist/</a>	The focus of the program is to provide a broad understanding of nature to participants interested in learning, volunteering, and participating in conservation projects locally.	<p>Nevada Naturalist Program is a hands-on environmental education program that trains and educates volunteers in southern Nevada. Sponsored by the University of Nevada Cooperative Extension, NV Naturalist is a two-session, 100+-hour program consisting of research-based, natural-resource curricula. The curriculum is made up of approximately 50% classroom instruction and 50% field study. Courses are designed to provide participants with knowledge and skills in critical thinking, decision-making, teaching, and communication. This approach will give participants the breadth of knowledge, and confidence to use the information to make a difference for environmental stewardship and conservation in southern Nevada.</p> <p>DO NOT USE The Nevada Naturalist Program, sponsored by the University of Nevada Cooperative Extension, is a new adult environmental education program that promises to teach volunteers about our natural resources.</p>	Partnering agencies include: University of Nevada Public Lands Institute, National Park Service, Wetlands Nature Preserve, The Springs Preserve, Nevada Department of Wildlife, Nevada State Museum, Nevada Division of Forestry, Friends of Nevada Wilderness, U.S. Fish & Wildlife, and Henderson Bird Viewing Preserve.	<p>Session one topics include: ecology, regional plants &amp; animals, geology, soils, taxonomy, biological diversity, water, threatened/endangered species, and habitat restoration.</p> <p>Session two topics include: Science and the hypo-theoretical approach, scientific method, indoor air quality, recycling, cultural history, conservation biology, water harvesting, anthropology/archaeology, natural history, post-fire habitat restoration, and eco-tourism.</p> <p>Classroom instruction consists of a 3-hour session per topic. Field study ranges from 3-8 hours per topic.</p> <p>Instructors are either University faculty, or representatives of our community partners.</p> <p>DO NOT USE Curricula modules include: General Ecology, Soils, Water, Taxonomy, Geology, Plants, Mammals, Amphibians, Reptiles, Invertebrates, Birds, Fishes, Biological Diversity, Introduced Species/Invasive Species, Environmental Laws and Regulations, Threatened and Endangered Species, Adult/Youth Learning, Science and the Hypothetical Approach, Eco regions, Cultural History/Archaeology/Paleontology,, Climate &amp; Weather, Conservatoin Biology, People in Conservatoin, Human Impacts, Best Management Practices, Habitat Management, Educational Programs &amp; Eco Tourism. Classes are approximately 3 hours in length (80 hours total) and are held in a variety of settings including classrooms, museums, and in the field.</p>	<p>Upon completion of the program, participants may volunteer on their own with partnering agencies. So far this year, as a group, Nevada Naturalists have participated in two events sponsored by National Park Service, and Friends of Nevada Wilderness. Both are partnering agencies.</p> <p>DO NOT USE Students will be required to complete a project for each session of the program. The projects will be designed to increase student's capacity and knowledge about specific issues, and will be geared toward increasing community awareness. After completion of the program Students will volunteer with participating partners.</p>
OH	Ohio Certified Volunteer Naturalist Program	<a href="http://ocvn.osu.edu/about/">ocvn.osu.edu/about/</a>	To promote awareness and citizen stewardship of Ohio's natural resources through science based education and community service.	<p>An Ohio Certified Volunteer Naturalist is an individual with a passion for the natural world who wishes to attend training and use his or her knowledge by giving back to the community through volunteer service. The program has three components: training, volunteer service hours, and advanced education. The OCVN program is a volunteer educational program designed to meet the natural resource education needs of the citizens of Ohio. Its purpose is to train volunteers and use their expertise to teach people more about Ohio's natural resources and their importance to our quality of life. Ohio Certified Volunteer Naturalists provide service to their local natural resource organizations so that their activities and programs can be more effectively and efficiently delivered to the general public. OCVN trainees receive formal training from their local partnership covering a wide range of pertinent natural resource topics. To become an OCVN, the trainee must be accepted into the program, complete the training component, pass the required exam, and volunteer for the specified number of hours. The volunteer commitment may be</p>	The OCVN program is administered by Ohio State University Extension in cooperation with a state steering committee. The committee is made up of dedicated individuals from the following organizations: The Ohio State University Extension and School of Environment & Natural Resources; Ohio Department of Natural Resources; Ohio Sea Grant; Five Rivers Metro Parks (Dayton); Ohio Master Gardeners; Audubon Ohio; Ohio Bird Conservation Initiative (OBCI); Hancock County Parks; City of Dublin Parks	<p>The formal training program is the responsibility of the OCVN coordinator or committee managing the program. Instructors are OSU faculty, ODNR professionals, Extension Specialists, Extension Associates, experienced Volunteer Naturalists, and other experts. The training program is to provide a balanced, integrated practical course in natural resource science. Core topics = Ecological Concepts; Effective Education Practices; The Art of Nature Interpretation; Exploring Ohio's Watersheds; Aquatic Life; Stewardship; Geology; Soils; Plants; Forests; Insects &amp; other macroinvertebrates; Reptiles &amp; Amphibians; Birds; Mammals. Other topics based on local needs may also be part of the curriculum. The principle resource for training is the OCVN Training Manual and other materials approved by the state steering committee that include the core topics appropriate to Ohio. Core training is held during a 2-3 month period, with continuing education or in-service training provided during the year in accordance with local needs and resources. Regional continuing education opportunities should be offered at least once every two years. A national conference is held annually to assist in fulfilling continuing education requirements. Each OCVN program trainee is expected to attend every class session. The trainee is responsible for initiating provisions to make up any missed sessions. A limit on the number of allowable absences may be specified by the local coordinator. All trainees must pass a final exam with a cumulative average of 70% or better. This exam will test the trainees' knowledge of broad natural resource principles. Local level coordinators may incorporate quizzes into the training program as they see fit.</p>	<p>The OCVN state steering committee has established the following minimum requirement for certification and recertification; however, the local chapters may opt to increase these minimum requirements. Certification: 40 hours of combined classroom and field instruction; 40 hours of approved volunteer service projects. Note: Local programs are organized by chapter. Local partners are responsible for providing leadership to chapters, including volunteer service projects. Upon completing the training portion of the program, each trainee will receive an OCVN name badge and a "completion of training" certificate. Upon fulfillment of the 40 hours of volunteer service, the trainee will then receive an OCVN certificate and an OCVN logo pin. Only unpaid public service in OCVN-sponsored activities will count toward the requirement. Other volunteer activities may be counted after receiving prior approval from the local coordinator. The required volunteer hours must be completed within one year (or another time period designated by the local coordinator) of completing the training course. Volunteer Naturalist Recertification is achieved by fulfilling the following minimum requirements: 1. Donate a minimum of 20 hours of volunteer service each year; 2. Complete a minimum of 8 hours of continuing education through participation in the Association for Natural Resource Outreach and Service (ANRO) Conference, an OCVN</p>
OK	Oklahoma Master Naturalist	<a href="http://www.okmasternaturalist.org">www.okmasternaturalist.org</a>	The mission of the Oklahoma Master Naturalist program is to develop a corps of well informed volunteers to provide education, outreach and service dedicated to the beneficial management of natural resources and natural areas within their communities with the following objectives: 1. Natural Resource Service - provide, promote and fulfill volunteer service while recognizing and utilizing sound natural resource management, enhancement and conservation practices in accordance with the program's purpose. 2. Public Understanding - improve public understanding of natural resource ecology and management by developing a pool of local knowledge in each of the state's 11 ecoregions, about natural resource ecology that can be used to enhance education efforts within local communities. 3. Enhance Education and Outreach	<p>The Oklahoma Master Naturalist program provides 25 plus hours of basic training in natural resource topics, such as principles of ecology, aquatic, wetland, prairie, forest and urban ecosystems, and additional hours devoted to advanced training on diverse natural resource topics. The basic training sequence includes a field experience as do many of the advanced trainings. Volunteers are organized into community based chapters operated on a non-profit basis under the direction of the Cooperative Extension Service.</p>	The organization does not formally partner with any other entity but does work with the USFWS and the Oklahoma Department of Wildlife Conservation. These two agencies also provide instructors from time to time.	<p>The Basic Workshop Series includes - Principles of Ecology, - Aquatic and Wetland Ecosystems, - Prairie Ecosystems, - Forest Ecosystems, - Urban Ecosystems. Advanced Workshop offerings vary from year to year but have included topics such as - Tallgrass Prairie - Nature Conservancy, 1 day; - Elk biology - Wichita Mountains Wildlife Refuge; - Crosstimbers plants - Noble Foundation Wildlife Research Unit and Pontotoc Ridge Preserve, 2 days; - Herbaria, Forest Tree Identification, Vertebrate Museum and Entomology - OSU campus, 1/2 day each; - Ethnobotany, Bee Keeping, Prairie Pioneers, Fish of Oklahoma, etc., monthly meeting educational speakers - 1 hour each. Instructors usually hold a Masters degree or higher in an appropriate subject matter area but occasionally will be self-taught experts on the topic which they are presenting.</p>	<p>Monitoring of restored wetland and grassland habitats and outdoor classrooms; construction of bird viewing blinds and use of same to teach about birds; bird and small mammal survey work; nature and bluebird trail development; self directed volunteer activities including nature interpretation for boy and girl scout groups, docent work at nature centers and zoos.</p>
OR	Oregon Master Naturalist	<a href="http://www.extension.oregonstate.edu">www.extension.oregonstate.edu</a>	Oregon Master Naturalist will seek to educate and engage Oregonians in understanding and caring for the state's rich natural resources. [Please note that this mission statement and all subsequently described policies have not been formally adopted.]	<p>The program is in the early stages of development. As such, our goals are only preliminary. The program will likely focus on engaging Oregonians in three areas including:</p> <ol style="list-style-type: none"> <li>1. Ecological service projects – which involve hands-on activities such as planting trees in riparian buffers, removing invasive exotic plants, improving wildlife habitat, etc.</li> <li>2. Interpretation and education projects – which involve working with youth and other audiences, educating them about the natural world and Oregon's natural resources. Speaking to school groups, advising 4H clubs with environmental projects, taking groups on nature tours, etc. are all common projects. These projects may be directly coordinated with local nature centers or museums.</li> <li>3. Citizen science projects – which involve data collection, monitoring, assisting with wildlife check stations, urban street tree inventories, etc. Common projects include monitoring water quality, bird counts,</li> </ol>	At present, the Oregon State University College of Forestry, Oregon Sea Grant, and Oregon State Extension Service are the primary drivers for the development of this program. We are seeking partnerships with Oregon Department of Forestry, Oregon Department of Fish and Wildlife, Oregon Forest Resources Institute, World Forestry Center, The Nature Conservancy, Audubon Society, and Oregon Department of Environmental Quality. We also hope to work with the Siskiyou Field Institute which has created its own Naturalist training program.	<p>Curriculum has only been tentatively discussed at this early stage. These discussions suggest a regional or biogeographical approach to training materials that would be delivered during a 40-80 hour period. Skills-based trainings have not been discussed in depth at this point.</p>	As noted above, the approximately 40 hour service component might include ecological service, interpretation or education, and citizen science projects.
PA	Pittsburgh Volunteer Naturalist Program		To be developed . . .	To be developed . . .	Penn State Extension of Allegheny County, PA, Pittsburgh Parks Conservancy	To be developed . . .	
PA	Pennsylvania Master Naturalist Training Program	<a href="http://www.PICEweb.org">www.PICEweb.org</a>	The Pennsylvania Master Naturalist training program aims to connect people with their local ecosystems through intensive natural science training and local conservation service work. It is a venture directed toward developing local corps of "master volunteers and service providers" to offer education, outreach and service dedicated to the understanding and management of natural areas within their communities	<p>The Pennsylvania Master Naturalist training program is still in the development phase. The Pennsylvania Institute for Conservation Education, who administrates the program, is a 501C3 nonprofit insitution, the program will be ecoregion-based and focuses on bringing together and trainingcommunity members to work on local natural resource conservation projects. Master Naturalist trainees will be offered well over 20 hours of service-orientededucation and training opportunities (see our certification requirements below). Objectives: The goal of the Pennsylvania Master Naturalist Program is toincrease awareness and skills in local natural history among Pennsylvanians and to provide opportunities for participants to apply their new skills throughlocal conservation service work. Master Naturalist certification will represent a standardized knowledge-base in ecology and natural history as well as acommitment to continuing education in natural history. Participants in the PA Master Naturalist Program will increase their awareness of the role of naturalists in local natural</p>	We are currently networking with potential partners and working out partnership agreements. However, the Pennsylvania State University Outreach program at Shavers Creek Environmental Center is a partner.	<p>The Pennsylvania program will be ecoregion-based, and we will develop modules for each ecoregion. A pilot module is planned for spring 2008 in Ridge and Valley ecoregion; additional modules will be developed after evaluation of pilot. Certification involves three components: Natural Science Training: All Master Naturalists will receive in-depth training in natural history, natural sciences, biodiversity, and nature interpretation. Course content will be specifically tailored for each ecoregion and taught by professional biologists, earth scientists, naturalists, and educators. Service Hours: Service hours provide Master Naturalists with an opportunity to apply the knowledge and skills they have learned during the training. Volunteer work, student projects, and work-related projects can all be applied to service hours as long application of natural history, science, and/or nature interpretation skills is demonstrated. Specialized Courses (elective hours): Continuing education is an important part of a naturalists life, therefore, we require a certain number of credit hours each year on specialized topics. Any PICE or program partner course qualifies for elective hours (the number of contact hours in the course is the number of credit hours applied to certification). Any other courses need to be approved by the Program Coordinator to apply it to elective hours (to maintain quality control). Initial training = 40 hours of core natural science training focused on hydrology, geology, soils, and their relationship to the distribution and abundance of flora and fauna in ecoregion. Core training will also include basic concepts in environmental interpretation, communication, and group management. A certain number of specialized elective courses will be required (number of hours depends on initial certification vs. renewing). These courses will allow individuals to delve more deeply into their own interests. We will offer specialized field natural history courses in ornithology, entomology, botany, watershed ecology, field geology and many others, plus specialized electives in citizen science monitoring, and outreach &amp; interpretation skills. Instructors for the training program will be experts and natural resource</p>	40 hours for initial certification, 30 hours annually thereafter

SC	South Carolina Master Naturalist Program	<a href="http://www.clemson.edu/masternaturalist">www.clemson.edu/masternaturalist</a>	to create a corps of citizen volunteers well trained in the fundamentals of natural history, nature interpretation, and the interface of humans and nature in order to empower them to contribute their time and talents to responsible, science-based environmental stewardship.	The SC Master Naturalist program meets the membership criteria of having a natural resource focus by offering training in curricula based around geological, biological, and ecological principles. The program is community-based and offers 90 hours of training followed by a requisite 30 hours/year of volunteer service. Though our goal is to be self-sustaining, we are a non-for-profit organization. We are in development currently and plan to launch 4 new host sites for training in Fall 2007. Trainers will attend a training session this summer. We are developing substantial Web support for the program.	Department of Natural Resources, SC State Parks, and other similar organizations are partnering with Clemson University Departments of Forestry and Natural Resources, Biological Sciences, and Cooperative Extension; local smaller organizations include Low Country Institute, Belle Baruch Foundation, etc	Geological concepts (plate tectonics, fossil record); Biological/ecological concepts (chemistry of life, populations, natural selection, interactions among species); Regional attributes (wetlands and rivers, Blue Ridge Escarpment, the Piedmont, the Sandhills region, Coastal Plain, estuaries, dynamic Outer Coast); The Alphabet (relatedness and classification, plants, animals (inverts, fish, herps, birds, mammals); Human impacts; Glossary. Manual is in revision, but currently 170 pages. Instructors vary according to region and include University professionals, Extension agents (natural resource specialists), naturalists (state parks, DNR), and others.	30 hours/year
TN	Tennessee Master Naturalist		a. To teach Tennesseans about our natural world. B. To inspire the desire to learn.	a. To create a sustainable Tennessee through a more educated adult populace. B. To help state parks and other conservation entities build a volunteer pool. C. To encourage resource professionals, wildlife officers, state park personnel to complete the TN Master Naturalist certification. d. To provide abundant network of outlets for TMN certification. e. To address "Nature Deficit" as described by Richard Louv in Last Child in the Woods. f. To create a continued opportunity to learn.	TN Dept. of Environment and Conservation State Parks, Tennessee Wildlife Resources Agency, Middle Tennessee State University Center for Environmental Education, Tennessee Parks and Greenways.	Program overview - 50% in field, 40 hours instruction, 40 hours volunteer service. Course instructor training. Content/Subject matter - So you want to be a naturalist?; Tennessee's Living Waters; Seeing the Forest and the Trees; Forbs, Ferns, Fungi and more; The World of Invertebrates: Pollinators, Predators, Pests, and Parasitoids; Feathered Friends: The Birds of Tennessee; The Furry and Finned: Tennessee's Mammals and Fish; Hooray for Herps: Reptiles and Amphibians; The Nocturnal Naturalist: Astronomy and Nature at Night; Future Focus: Becoming a Master Naturalist; Book Discussion	Tennessee Master Naturalists will commit to at least 40 hours of citizen science volunteer work with the TN State Parks, All Taxa Biodiversity Inventory, or environmental education volunteer work with nature centers and schools. Trail work, litter pickup, or exotic plant removal may also meet the volunteer hour requirements.
TX	Texas Master Naturalist	<a href="http://masternaturalist.tamu.edu">http://masternaturalist.tamu.edu</a>	To develop a corps of well-informed volunteers to provide education, outreach, and service dedicated to the beneficial management of natural resources and natural areas within their communities for the State of Texas."	The short supply of dedicated and well-informed citizens and volunteers is often cited as a limiting factor for community-based conservation efforts. The Texas Master Naturalist™ program works to address this need by developing local corps of "master volunteers" to provide service and outreach dedicated to the beneficial management of natural resources and natural areas within the volunteers' own communities. Communities and organizations across the state rely on these skilled volunteers for implementing youth outreach programs; for operating parks, nature centers, and natural areas; and for providing leadership in local natural resource conservation efforts. In addition, private landowners depend on the expertise of these volunteers to help them gain a broader scientific understanding of the ecology and management of their biological resources. This partnership among the Texas Parks & Wildlife Department, Texas Cooperative Extension, and over 300 local partners has resulted in a unique master volunteer organization. At the state level, the organization is directed by a state committee consisting	Texas Parks & Wildlife Department (TPWD) and the Texas Cooperative Extension (TCE) are statewide sponsors of the TMN program through a partnership. Our TMN chapters also develop numerous (300+) partnerships at the local level to support their chapters as well.	A Minimum of 40 hours of Training is required. All Training class schedules are reviewed and approved by the state program. Our Texas Master Naturalist curriculum is a 753-page document with 21 units. Furthermore, Texas Master Naturalist Chapters 'localize' their training by providing in-depth, and hands-on class work, case studies and field training focused on their local ecoregion of Texas. Curriculum outline: Introduction to the Texas Master Naturalist Program; Texas Naturalists Prior to WWII; Ecological Concepts; ecological regions of Texas; ecosystem management; geology & soils of Texas; weather & climate; nature of naming; plants; ornithology; entomology; ichthyology; herpetology; mammalogy; archaeology; forest ecology & management; wetlands ecology & management; rangeland ecology & management; urban systems; volunteers as teachers	40 hours of service + 8 hours advanced training annually
UT	Utah Master Naturalist	<a href="http://www.utahbotanicalcenter.org/htm/education/adults/utahmasternaturalist">http://www.utahbotanicalcenter.org/htm/education/adults/utahmasternaturalist</a>					
VA	Virginia Master Naturalist	<a href="http://www.virginiamasternaturalist.org">http://www.virginiamasternaturalist.org</a>	The Virginia Master Naturalist Program is a corps of well-informed volunteers who provide education, outreach, and service dedicated to the beneficial management of natural resources and natural areas within their communities for the Commonwealth of Virginia.	The program consists of a network of Virginia Master Naturalist chapters across the state. Each chapter is responsible for recruiting and training volunteers and for working with partners to create and coordinate volunteer service opportunities. The training consists of a minimum of 40 hours classroom and field time covering a core set of curriculum objectives. The objectives focus on ecology, natural resource management, basic natural history of the animals and plants of Virginia, and skills for teaching and field research. To become a certified Virginia Master Naturalist, each volunteer must also complete 40 hours of service. This service can be in the form of education (such as leading an interpretive program in a state park), citizen science (such as collecting data on wildlife populations), or stewardship (such as restoring a natural area).	At the state level, the Virginia Master Naturalist program is sponsored jointly by Virginia Cooperative Extension, the Virginia Department of Game and Inland Fisheries, the Virginia Department of Conservation and Recreation, the Virginia Department of Forestry, and the Virginia Museum of Natural History. Partnerships at the local level are a cornerstone of the program and include other public agencies, as well as private organizations involved in conservation and education.	The minimum basic training course requirements include 40 hours of combined classroom and field experiences, with 25% of that time spent in the field. The instructors are local experts in the subject matter and may include agency staff, university faculty, and local professional naturalists. Because of its geographical diversity, the natural resources of Virginia vary widely. Therefore, each local chapter will customize their training program to focus on their local ecosystems. Over the course of the 40 hour training, the course should include training to achieve the core training objectives for what Virginia Master Naturalist should know and be able to do. A Virginia Master Naturalist should know...all aspects of their role as a Virginia Master Naturalist, the mission and objectives of the program, and the guidelines for participation; what a naturalist is and does and the significance of naturalists and natural history; the biogeography of Virginia, including the physiographic regions and the geological and ecological aspects that make them distinct; basic concepts of ecology; basic concepts of geology; basic resource management principles; some native flora and fauna in the region; the general process of science; the roles of Virginia state agencies in the management and conservation of natural resources. A Virginia Master Naturalist should be able to...use a key to identify organisms; use a field guide; share knowledge with others (verbally and/or in writing); make and record observations in nature; recognize when s/he does not know the answer to a question, but be able to seek out answers from people, books, or other reliable sources. With these objectives in mind, every Virginia Master Naturalist's training should include the following topics: Introduction to the Virginia Master Naturalist program; American naturalists; basic ecology; biogeography of Virginia; geology; nature of naming; education & interpretation skills; citizen science & research skills; ecology & management of systems occurring in the region; overview of vertebrates, invertebrates, trees, and other plants (biology, ecology, identification, conservation & management of each)	Forty hours of volunteer service are required annually to achieve and maintain the status of Certified Virginia Master Naturalist