

## Agenda & Course 2 Schedule

The Discovery Center  
Deep Creek Lake State Park  
898 State Park Road, Swanton, MD 21561

### Day One - Thursday, August 14, 2014

#### **8:00-8:30 - REGISTRATION AND COFFEE**

**8:30-9:30** – Connie Hoge, Chairman, Carroll County Forest Conservancy District Board, Master Gardener, National Garden Clubs Landscape Design School and Flower Show School

**ECOLOGY - LAND:** Study various land types (forests, grasslands, deserts, mountains); their origins, characteristics and the life forms they sustain; investigate land management practices.

**9:30-10:30** – Rebecca Kenyon-Sisler, Biology & Environmental Sciences Teacher at Northern Garrett High School; Maryland Envirothon Coach

**SOURCE REDUCTION OF POLLUTANTS:** Explore techniques of pollution control applying the principles of sustainability; examine pollution abatement through utilization of recapturing and recycling of materials; basics of laws for resource conservation and protection.

#### **10:30-10:45 – BREAK**

**10:45-11:45** – Rebecca Kenyon-Sisler, Biology & Environmental Sciences Teacher at Northern Garrett High School; Maryland Envirothon Coach

**ENVIRONMENTAL SCIENCE - RESOURCES:** Study of the earth's resources, renewable and finite; how economic factors and population impact these resources.

#### **11:45-12:30 - LUNCH**

**12:30-1:30** – Kerry Wixted, Education & Outreach Specialist with Maryland DNR Wildlife & Heritage Service; Wildlife Ecology Instructor for Maryland Envirothon

**WILDLIFE – THE MISUNDERSTOODS:** Explore and acknowledge the value of animals and organisms; understand their positive contributions in the web of life.

**1:30-2:30** – Connie Hoge, Chairman, Carroll County Forest Conservancy District Board, Master Gardener, NGC Landscape Design School and Flower Show School

**AMERICAN FORESTS:** Emphasis will be on the northeastern hardwood forests, their history, characteristics and ecology.

**2:30 – 4:45 – FIELD TRIP – SWALLOW FALLS STATE PARK.** Conducted by Joan Maloof, Professor Emeritus at Salisbury University and Founder of the Old Growth Forest Network

All forest stages have an important ecological role to play. The old-growth stage is especially important because of its unique structure. Information will be provided on forest ecology and what makes old-growth forests special. The field trip will conclude with a brief dedication celebration, adding the Swallow Falls forest into the Old-Growth Forest Network.

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### **Day Two - Friday, August 15, 2014**

#### **8:00-8:30 – CHECK-IN AND COFFEE**

**8:30-9:30** – Liz McDowell, Coordinator Western Mountains Chapter of Maryland Native Plant Society and Owner of Elk Ridge Native Plant Preserve.

**EARTH STEWARDSHIP – GARDENING WITH NATURE:** Alien Invasion. It was just a trickle at first, so no one noticed. Now it's a raging torrent that seems impossible to stop. Alien fungi, plants and animals have invaded our forests, parks, backyards, and even our homes. Where did they come from? When did they arrive? How will they change our world?

**9:30-10:30** – Ashley Bodkin, Faculty Extension Assistant, University of Maryland Extension; Master Gardener Coordinator for Garrett County

**PLANTS – AGRICULTURE:** Explore the origin of food plants and food production. Investigate the qualities of sustainable agricultural systems, soil renewal, and water resources.

#### **10:30-10:45 – BREAK**

**10:45-11:45** – Amanda Rockler, Watershed Restoration Specialist, University of Maryland Sea Grant Extension.

**COASTAL ZONE/WATERSHED MANAGEMENT:** Realize the values, uses and functions of coastal zone ecosystems and watersheds; identify stress factors and pollution problems in the Chesapeake Bay, management techniques involved in the protection and restoration of this vital resource.

#### **11:45-12:30 – LUNCH**

#### **12:30-12:50 – COURSE REVIEW AND WRAP-UP**

#### **12:50 – 3:50 – WRITTEN TEST**

# REGISTRATION FORM

## ENVIRONMENTAL STUDIES SCHOOL – COURSE 2, SERIES I THE LIVING EARTH – LAND & RELATED ISSUES

Thursday & Friday, August 14 & 15, 2014

The two-day course Registration Fee of \$100 includes two days of eight one-hour classes, two-hour field trip, printed Student Study Guide, and lunch on both days.

(\$80 will be refunded up until August 1 for cancellations; no refunds after August 1)

Enrollment limited to 30 students

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

If NGC member: Club \_\_\_\_\_ District \_\_\_\_\_

Are you taking the written test for credit toward Environmental Consultant status? \_\_\_\_\_ Yes \_\_\_\_\_ No

**Mail registration form & check to:** Linda Harris, 3252 Walnut Bottom Rd., Swanton, MD 21561  
301-453-3293, lindaharris355@aol.com

**Make check payable to:** Mountain Laurel Garden Club

**Any special needs or diet restrictions?** If so, please provide details:

# Environmental Studies School Course Information

## Course 2, Series I – The Living Earth – Land & Related Issues

Thursday & Friday, August 14 & 15, 2014

Sponsored by Federated Garden Clubs of Maryland

President: Jackie Handley

District V Director: Carolyn Braverman

Hosted by the Mountain Laurel Garden Club, District V

President: Kathy Tucker

ESS Chair: Linda Harris 301-453-3293 lindaharris355@aol.com

**Mission Statement:** To teach environmental literacy; to cherish, protect and conserve the living earth.

### School Description:

The Living Earth Environmental Studies School is composed of a minimum of forty hours of study. Specific units are divided into four courses of ten hours each which includes a two-hour field trip. The courses investigate AIR, LAND and WATER. The units are divided into Ecology and Environmental Science, Life on Earth, and Earth Stewardship. Optional Exams are offered for those wishing to become NGC Accredited Environmental Consultants. Environmental Studies Schools are open to everyone whether or not they are garden club members.

### Course Requirements:

Official Text for Course 2:

***Living in the Environment*** by G. Tyler Miller

**Available at significant savings through Amazon.com**

(Editions 12 & 13 are available used for less than \$10 including shipping)

*Living in the Environment* reading requirements for Course 2, listed by edition:

**Chapters should be read before classes start**

7<sup>th</sup> Edition - Chapters 9, 12, 14, 15, 19, 23

8<sup>th</sup> Edition - Chapters 9, 12, 14, 15, 19, 21, 24

10<sup>th</sup> Edition – Chapters 7, 9, 20, 21, 22, 23

11<sup>th</sup> Edition – Chapters 7, 8, 12, 14, 15, 22, 26

12<sup>th</sup> Edition – Chapters 1, 6, 20, 21, 22, 23, 25, 26, 27, 28

13<sup>th</sup> Edition – Chapters 10, 13, 15, 17, 20, 21, 23, 25

14<sup>th</sup> Edition – Chapters 1, 2, 5, 6, 7, 11, 13, 14, 15, 16, 21, 22, 23, 25, 27

15<sup>th</sup> Edition – Chapters 1, 5, 6, 8, 10, 13, 15, 20, 21, 22, 23, 24, 25

16<sup>th</sup> Edition – Chapters 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 21, 25 plus supplements 3, 4

17<sup>th</sup> Edition – Chapters 1, 8, 12, 14, 21, 23, 24

## DRESS CODE

Comfortable clothing and appropriate outer wear. Include boots or waterproof hiking shoes for the outdoor field trip.

## INSTRUCTORS

Liz McDowell, Coordinator Western Mountains Chapter of Maryland Native Plant Society and Owner of Elk Ridge Native Plant Preserve; MS Degree in Wildlife Management from Frostburg State University; BS Degree in Psychobiology from Albright College.

Amanda Rockler, Watershed Restoration Specialist, University of Maryland Sea Grant Extension; MS Degree in Sustainable Landscape Design from George Washington University; BA Degree in Environmental & Ecological Biology from University of Colorado at Boulder.

Rebecca Kenyon-Sisler, Biology & Environmental Sciences Teacher at Northern Garrett High School; Maryland Envirothon Coach, Green School Coordinator; MA Secondary Education; MD Association for Environmental & Outdoor Education.

Kerry Wixted, Education & Outreach Specialist with MD DNR Wildlife & Heritage Service; teaches wildlife ecology for Maryland Envirothon; BS Wildlife & Fisheries Management at Frostburg State University; MS in Environmental & Evolutionary Biology from West Virginia University. Coordinates and teaches Project WILD, Growing Up WILD and Flying WILD programs; teaches botany for Master Naturalist Program.

Joan Maloof, Professor Emeritus at Salisbury University and Founder of the Old Growth Forest Network; BS Plant Science from University of Delaware, MS Environmental Science from University of MD, Eastern Shore, PhD Ecology from University of MD, College Park. Environmental Science and Ecology faculty at University of MD, Eastern Shore and Salisbury University.

Connie Hoge, Chairman, Carroll County Forest Conservancy District Board, Master Gardener, NGC Landscape Design School and Flower Show School training; BA from Indiana University, working towards MA in Landscape Architecture at University of MD; Lectures for Master Gardeners and community outreach programs.

Ashley Bodkins, Faculty Extension Assistant, University of Maryland Extension; Master Gardener Coordinator for Garrett County; AA in Horticulture from Potomac State College of WVU, BS in Agronomy from West Virginia University; MD & WV Nutrient Management Certification; Community Outreach Projects.

## HOTEL INFORMATION

Rooms are available at a discount at:

**North Glade Inn Bed & Breakfast**

184 North Glade Road, Swanton, MD 21561

301-387-3373 (toll free 877-433-6911)

The owners, Fred & Tammy Fulk are offering our group the nights of **August 13 &14, 2014 at a rate of \$75.00 per night for one person. Any other guests in the same room would be \$10.00 each per night.** Breakfast is included each morning. A family style dinner is included, on Friday evening only, for all the guests and the innkeepers. All rooms have a king size bed, Jetted tub, gas fireplace and a private bathroom. Three of the rooms have sleeper sofas. The normal rate is \$125.00 per night for two guests Sunday through Thursday. Friday and Saturday nights are \$185.00.  
(Please reference the Mountain Laurel Garden Club when requesting a room.)

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Rooms are also available at the **Quality Inn** at a 10% discount

**(You must call the Inn directly at 301-387-4200 and mention "SCR" to receive this discount)**

The Quality Inn is located at 2704 Deep Creek Drive, McHenry, MD

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Driving directions can be provided upon request.