

Environmental School – Course 4

Wednesday, September 9, 2020

8:00 AM - 8:30 – Registration; Coffee/Tea

8:30 AM - 8:45 – Welcome & Announcements

8:45 AM – 9:45 – David Scheid, Environmental Studies Lecturer at Salisbury University.

Ecology - Recognize water resources; surface water, groundwater, hydrologic cycle, supply, distribution, renewal and management; investigate the concerns pertaining to water resources.

9:45 – 10:00 - Break

10:00 AM – 11:00 – David Scheid, Environmental Studies Lecturer at Salisbury University

Environmental Science - Sustainability – Review the practices a society must use to sustain biodiversity needed in agriculture and economics.

11:00 – 11:15 - Break

11:15 AM – 12:15 – Doug Myers, Senior Scientist, Chesapeake Bay Foundation, Phillip Merrill Environmental Center, Annapolis, MD

Wildlife – Aquatic Animals - Examine fresh water and salt water animals, their life cycles and benefits to mankind; review their life support ecosystems; the special functions of estuaries, coastal wetlands, and barrier islands.

12:15 PM – 1:00 – Lunch

1:00 PM – 2:00 Dr. Leslie Adelman, Youth Program Coordinator at Adkins Arboretum

Youth Programs in Environmental Education – Investigate environmental awareness programs and materials designed for young people.

2:00 PM – 2:30 - Drive to Pickering Creek Audubon Center, 11450 Audubon Lane, Easton, MD 21601

2:30 PM – 4:30

– Wetlands & Meadow Restoration Tour at Pickering Creek Audubon Center. A tour of 90 acres of constructed wetlands and restored meadows they have created in partnership with Chesapeake Wildlife Heritage. We will learn about the value of large-tract habitat restoration projects to birds and other wildlife, and the Chesapeake Bay. We will do some birding; expect to see waterfowl and wading birds, and raptors. We will tour two miles of trails on foot across flat but uneven ground, with views of the wetlands from two viewing platforms.

Waterproof boots recommended; outerwear for the weather that day; binoculars

- We will have a tour of the Chesapeake Bay Herb Society's herb garden that is also located at Pickering Creek.

Thursday, September 10, 2020

8:00 AM - 8:30 – Check In; Coffee/Tea

8:30 AM - 8:45 – Morning Announcements

8:45 AM - 9:45 - Lorie Staver, Associate Research Scientist, University of Maryland Center for Environmental Science, Horn Point Laboratory

Tidal Marsh Restoration at Poplar Island: Maximizing Resiliency - Methods used for tidal marsh restoration at Poplar Island; results of over 10 years of monitoring of the marsh vegetation, sediment, elevation; recommendations for restoration based on experiences at Poplar Island.

9:45 – 10:00 - Break

10:00 AM – 11:00 – John Sandkuhler, Nursery Manager, Environmental Concern, St. Michaels, MD

Plants - Aquatic Plants – Explore plants in aquatic ecosystems, including plant culture, beneficial and harmful plants, eutrophication and the effect of pollutants on aquatic vegetation.

11:00 – 11:15 - Break

11:15 AM – 12:15 – Suzanne Pittenger-Slear, President, Environmental Concern, St. Michaels, MD
Wetlands – Explore the various types of inland and coastal wetlands, their qualities and functions; discuss natural and human interactions affecting wetlands.

12:15 PM – 1:00 – Lunch

1:00 PM – 2:00 – Anna Mudd, Outreach & Advocacy Manager, Chesapeake Bay Foundation

Earth Stewardship: Effective Citizenship – Leadership in protection of earth systems and resources; review meaningful steps to take to protect the environment.

2:00 – 2:15 - Break

2:15 PM – 4:00 – Course Review & Open Book Exam
(Anyone may attend the course review; exam only required for those seeking consultant status)

Environmental Schools are open to everyone whether or not they are garden club members.

Questions, Please Contact:

**State Environmental School Chair: Linda Harris
lindaharris355@aol.com or 443-695-2071**

REGISTRATION FORM

Environmental School, Course 4, Sept. 9 & 10, 2020

Name: _____

Garden Club Name: _____

State Garden Club: _____

Email: _____

Address: _____

Phone: _____

Please choose your registration:

_____ **Two-Day Course Registration Fee of \$110**

Includes 2 days, 8 class hours, 2-hour field trip, lunch

_____ **Sept. 9 Only, Registration Fee of \$70**

Includes 4 class hours, 2-hour field trip, lunch.

_____ **Sept. 10 Only, Registration Fee of \$60**

Includes 4 class hours, lunch.

Are you taking the exam? Yes _____ No _____

Are you refreshing? Yes _____ No _____

Mail registration form & check to: Linda Harris
3252 Walnut Bottom Rd, Swanton, MD 21561

Make Checks payable to: FGCMDC ECC
(FGCMD-Environmental Consultants Council)

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

Hotel Information

Holiday Inn Express Easton

8561 Ocean Gateway, Easton, MD 21601

410-819-6500; Check in 3:00 pm

Group rate of \$109/night; Discount Code FGC

Room cost includes breakfast

Additional Hotel Information:

**Breakfast is included in the hotel room cost;
only coffee & tea will be provided at class;
there will be plenty of space to spread out in
the large classroom; box lunches will be served
instead of a buffet for your protection; all state
guidelines in effect then will be observed;
updates will be provided**

Directions

**Directions to hotel & field trip will be provided
upon registration**

Course Reading Requirements

Living in the Environment by G. Tyler Miller

Reading requirements for Course 4, listed by edition

12th Edition – Chapters 1, 4, 7, 13, 15, 19, 20, 24, 26,
27, 28; Appendixes 5 & 6

13th Edition – Chapters 1, 4, 7, 14, 19, 24;
Appendixes 1, 2, 3 & Glossary

14th Edition – Chapters 1, 4, 7, 8, 14, 15, 19, 22, 26,
27; Appendixes 2 & 5; Glossary CD-ROM

15th Edition – Chapters 1, 6, 12, 14, 21; Supp 5

16th Edition – Chapters 1, 3, 4, 6, 7, 8, 9, 11, 13, 20,
22, 23, 24, 25; Supp 3, 4, 7, 8, 9, 11, 12

17th Edition – Chapters 1, 8, 11, 13, 24

**Highly Recommended Reading
by National Garden Clubs**

***Nature's Best Hope*, Doug Tallamy, 2020**

Environmental School Course 4

Information & Registration



Holiday Inn Express Easton

8561 Ocean Gateway (US Route 50)

Easton, MD 21601; 410-819-6500

Wednesday & Thursday

September 9 & 10, 2020



Sponsored by

Environmental Consultants Council
Federated Garden Clubs of Maryland, Inc.
Environmental School Chair, Linda Harris

Hosted by

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Carolyn Braverman, President