Indiana Dunes, Science, and YOU!

Indiana Dunes National Lakeshore Visitor Center

May 3 – 4, 2013

Friday, May 3

7:00 pm **Welcome**
Wendy Smith, Education Coordinator, Great Lakes Research and Education Center, Indiana Dunes National Lakeshore

Prizes!
Educational and Fun!

Introduction : What Does Science at Indiana Dunes National Lakeshore Tell Us about the Rest of the World? Ralph Grundel, PhD, Ecologist, United States Geological Survey, Lake Michigan Ecological Research Station

7:10 pm **What Climate Change Might Mean for Indiana Dunes National Lakeshore**
Tamatha A. Patterson, M.S., University of Notre Dame

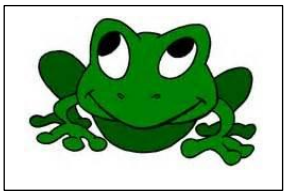
7:30 pm **Rediscovering Singing Insects**
Carl Strang, Naturalist, Forest Preserve District of DuPage County

7:50 pm **How are Amphibians Responding to Climate Change?**
Robert Brodman, PhD, Saint Joseph's College

8:10 pm **So…What Do You Think? What Do You Wonder?** (Q. & A., Discussion, and Close)

8:45 pm **Evening Field Trip**: **Frog Frolic – A Frog Call Adventure**
Robert Brodman, PhD, Saint Joseph's College
Weather permitting/ location: to be announced

Saturday, May 4



10:00 am **Inquiring Minds: Looking into the Minds of Scientists**
Wendy Smith, Murulee Byappanahalli, Meredith Nevers, Noel Pavlovic, Venessa Quinn, Ed DeWalt, Joy Marburger

10:20 am **Discovering the Bittersweet Tale of Two Lianas**
Noel Pavlovic, PhD, Ecologist, United States Geological Survey
Lake Michigan Ecological Research Station

10:40 am **Beach Science: Water Quality and Swimmers Health**
Murulee Byappanahalli, PhD, Microbiologist
Meredith Nevers, MS, Aquatic Ecologist,
United States Geological Survey, Lake Michigan Ecological Research Station

Saturday, May 4 (cont.)

11:00 am **Does Hiking Disturb Karner Blue Butterflies Laying Eggs?**
Vanessa Quinn, PhD, Purdue North Central

11:20 am **Aquatic Invertebrates Living in Indiana Dunes Waters and How Inhabitants Might Change in the Future**
Edward Dewalt, PhD, Illinois Natural History Survey

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11:40 am **So…What Do You Think? What Do You Wonder?**
(Q. & A., Discussion, and Close)

12:00 noon **Lunch Break**

Lunch is on your own. If the weather is nice, you are invited to join researchers Noel Pavlovic and Ed Dewalt at their respective field trip locations (see below) at approximately 12:45 pm. Bring a sack lunch and chat with a scientist over lunch!

Saturday Afternoon Field Trips (weather permitting)

1:30 - 3:00 Field Trip A: **Vegetation and Environmental Sampling in Wildlands**
Meet at the Bailly/Chellberg Picnic Area
Noel Pavlovic, PhD, Ecologist, United States Geological Survey
Lake Michigan Ecological Research Station

Field Trip B: **Sampling for Aquatic Invertebrates**
Meet at the Mnoke Prairie Parking Lot on Howe Road.
Edward DeWalt, PhD, Illinois Natural History Survey

3:30 – 5:00 Field Trip C: **Microbes and Water Quality Along Streams and Beaches**
Meet at the Indiana Dunes Visitor Center on Indiana State Rd. 49, North, for an orientation before we head to the beach!
Murulee Byappanahalli , PhD, Microbiologist
Meredith Nevers, Aquatic Ecologist,
United States Geological Survey, Lake Michigan Ecological Research Station

Field Trip D: **Investigative Inquiry Into Wetlands**
Meet at the Great Marsh Trailhead Parking Lot (the gravel lot just north of the Beverly Shores Train Station on Broadway).
Joy Marburger , PhD, Research Coordinator, Great Lakes Research and Education Center, Indiana Dunes National Lakeshore

Many thanks to the Dunes National Park Association for their generous support of this program!!