

Please register by September 25

by faxing this form to: (631) 288-1367, or by
email to: carol.sholl@scwa.com, or by mail to:
Central Pine Barrens Commission
624 Old Riverhead Road
Westhampton Beach, NY 11978
(631) 288-1079

Please check the applicable box(es):

☐ I will attend the seminar on October 1

☐ I would like to attend the field session
on October 2

Name: _____

Representing: _____

Address: _____

Phone: _____

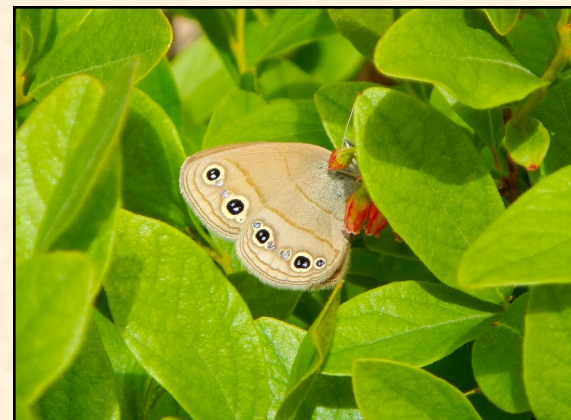
Fax: _____

Email: _____

Directions to Brookhaven National Laboratory: Take LI Expressway (Rt. 495) to Exit 68 north (Wm. Floyd Parkway) and drive north approximately 1.7 miles. Turn right into the Laboratory's main entrance. Stop at the booth to check in. Valid photo identification is required. Proceed to the light, turn left onto Upton Road, right onto Brookhaven Ave., and Berkner Hall Auditorium is on the left. Free parking is available adjacent to Berkner Hall.

Central Pine Barrens Joint Planning & Policy Commission
624 Old Riverhead Road
Westhampton Beach, New York 11978

Twentieth Annual Pine Barrens Research Forum



Little wood satyr (Megisto cymela)

October 1 & 2, 2015

Brookhaven National Laboratory
Berkner Hall
Upton, New York

Sponsored by:

*Brookhaven National Laboratory,
Central Pine Barrens Commission,
LI Groundwater Research Institute
at Stony Brook, and the Foundation for
Ecological Research in the Northeast*

Twentieth Annual Pine Barrens Research Forum Thursday, October 1

8:30 am **Registration & Coffee**

9:00 am **Welcome**

John W. Pavacic, Executive Director,
Central Pine Barrens Commission

Doon Gibbs, Director,
Brookhaven National Laboratory

Frank Crescenzo, Manager,
US Department of Energy, Brookhaven
Area Office

Chair, Central Pine Barrens Joint
Planning & Policy Commission

9:30 am **The impacts of rising water
temperatures on the survival of eel-
grass (*Zostera marina* L.) in natural
and transplanted meadows in the
Peconic Estuary.**
Chris Pickerell, Director, Cornell Co-
operative Extension of Suffolk County,
Marine Program

10:00 am **Pines, fire and plant invasions in the
Long Island pine barrens.**
Jessica Gurevitch, Professor, Stony
Brook University, Department of
Ecology & Evolution

10:30 am **Break and Poster Session**

11:00 am **Excessive delivery of nitrogen into
Long Island's coastal ecosystems:
Crisis and opportunity.**
Christopher J. Gobler, Professor, Stony
Brook University, School of Marine &
Atmospheric Sciences

11:30 am **Forest pests and forest management in
the Anthropocene.**
Matthew P. Ayres, Professor of Biological
Sciences, Dartmouth College

12:00 pm **Management of Southern Pine Beetle on
Long Island and Upstate New York.**
Jessica A. Cancelliere, Research Scientist,
NY State Department of Environmental
Conservation, Division of Lands & Forests,
Forest Health

12:30 pm **Lunch** (*on your own; cafeteria on-site*)

1:30 pm **Measuring storm tide and high-water
marks caused by Hurricane Sandy in
New York.**
Riley Behrens, Hydrologic Technician,
US Geological Survey, New York Water
Science Center

2:00 pm **Habitat management for an endangered
butterfly benefits other Species of Great-
est Conservation Need in an eastern New
York pitch pine - scrub oak barrens.**
Neil A. Gifford, Conservation Director,
Albany Pine Bush Preserve

2:30 pm **Lichen Communities of the New Jersey
Pinelands.**
Natalie Howe, PhD Candidate, Rutgers,
The State University of New Jersey



Friday, October 2

Field Session

9:00 am - 12:00 pm

**The Gamma forest and
additional plant communities at
Brookhaven National Laboratory,
New York**

Richard Stalter, Professor of Biology
St. John's University,
Department of Biological Sciences

The flora of Brookhaven National Laboratory was collected and identified by Richard Stalter and Eric Lamont in a three-year study beginning in 2005. During this field trip we will examine the flora of the seven communities described in the study. The most unique is the gamma irradiated forest, the site of Woodwell's Cesium 137 radiation study in the early 1960's. All vegetation at the gamma source where the vegetation was exposed to 63,000 roentgens was killed. Carex pensylvanica, a sedge, survived the radiation treatment approximately twenty-five feet from the source. Professor Stalter will present a brief slide show on his study of the irradiated forest before we visit the site. We will also visit the Laboratory's pine plantations, fields, swamps, woodland and ruderal (disturbed) sites, noting the common plants at each site.

Meet at Brookhaven National Laboratory, Berkner Hall lobby at 8:45 am. Bring drinking water and tick protection. Heavy rain cancels. Limited to the first 25 registrants.



Narrowleaf blue-eyed grass (Sisyrinchium angustifolium)
Photo Credit: Vern Wilkins