

# I N S I D E T H E PINELANDS

JUNE/JULY 2006

A Report by the Pinelands Preservation Alliance

VOLUME 13, NUMBER 5

## WHAT'S THE PLAN? PART 4: RURAL DEVELOPMENT AREAS IN THE CMP

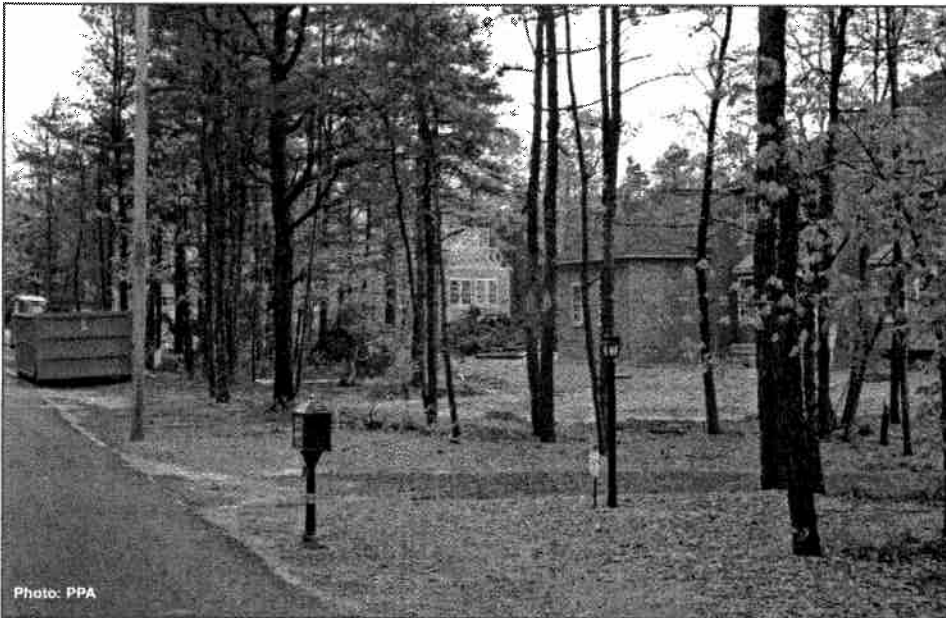


Photo: PPA

*Sanctuary Development in the Rural Development Area in Evesham*

by Rich Bizub

Of the 1.1 million acres of the Pinelands National Reserve, the Rural Development Areas account for a total of 118,800 acres, making up a significant portion of the Pinelands. The Comprehensive Management Plan (CMP) identifies these areas as "suitable for limited future development." The Rural Development Areas don't receive the level of protection of the Preservation or Forest Areas, yet development densities are less than those of the Regional Growth Areas. As a result, the population density is greater than in the Forest Management Area and Preservation Area.

Depending on the location in the Pinelands, the Rural Development

Areas separate different management areas. For example, in Ocean and Atlantic Counties, most Rural Development Areas separate Regional Growth Areas from either Forest or Preservation Areas. On the western portion of the Pinelands, in Camden, Gloucester and Burlington Counties, the Rural Development Areas can also be contiguous with Agricultural Production Areas. And in Cape May County, they are surrounded primarily by Forest Areas. The Rural Development Areas can best be described as buffer zones.

When the CMP land-use map was first proposed in 1980, it was quickly recognized that the criteria for the management of these areas was more about future development than about environmental sensitivity. One of the

requirements for an area to be considered a Rural Development Area is that pre-existing development must exceed five (5) percent. In theory, the Pinelands Commission attempts to maintain the overall housing density at 200 units per square mile in this management area.

In addition to residential development, municipalities may also permit the following in the Rural Development Area: agriculture, forestry activities, recreational facilities, sand and gravel mining operations and cell phone towers. Transfer stations at closed landfills, petroleum waste collection, household hazardous waste collection facilities and recycling centers are also permitted if they are an accessory to an already permitted use. When compared to the Forest Areas and Agricultural Production Areas, permitted uses are much less restrictive.

A key feature of Rural Development Areas is that sewer systems are not allowed, so everyone must use septic systems. This rule was aimed at limiting the density of future development.

One of the weaknesses of this management area is that municipalities are given considerable leeway to accommodate growth. So much so that PPA is starting to wonder at what point in the future will the Rural Development Areas really become the same in character as the Regional Growth Areas. Because of the flexibility that is allowed, housing densities can be as

*continued on page three*



On a recent gorgeous spring Sunday afternoon, more than 150 people turned out to attend the Grand Opening of the new Pinelands Visitor Center at Pinelands Preservation Alliance.

The new Pinelands Visitor Center includes large-scale, detailed maps of the Pinelands region; informational literature; educational materials; interpretive display panels; an interactive virtual "eco-tour" kiosk, and a bookstore featuring an extensive offering of both non-fiction and fiction titles, movies, maps and clothing with Pinelands themes.

Visitors were also treated to tours of the 1750's farmhouse and 1930's barn, guided walks through the native plant and ornamental gardens, and a photography exhibit featuring renowned Pinelands photographer Mike Hogan, with old-time music from the Sugar Sand Ramblers providing the soundtrack for the day's events.

In addition to many PPA members, several folks paid us a visit after seeing the "Grand Opening" sign along Rt. 206. PPA Trustee Charlie Chapin and his wife Jeanie stopped by to see the new Visitor Center and take a tour of the barn. The previous owners of the Bishop Farmstead, Ronald and Ellen Shaffer, came up from Philadelphia to see how the property has been coming along under PPA's stewardship.

PPA is hopeful that the new Visitor Center will serve as a gateway to the Pinelands, a one-stop location that will enable visitors to access information about the natural and



The Grand Opening of the Pinelands Visitor Center drew PPA members and curious passersby alike

cultural resources of the Pinelands, as well as learn more about how to enjoy these resources responsibly and the continuing efforts to preserve this unique region for future generations.

The Pinelands Visitor Center will be open by appointment weekdays 9 a.m. - 5 p.m. Summer hours will be on Sundays, 1 - 4 p.m., through July 30. Give us a call if you would like to schedule a visit for yourself or your organization.

**REGIONAL PLANNING  
COMES OF AGE  
CONFERENCE**

**September 28 & 29, 2006**

**Hyatt Regency, New Brunswick**

To mark the 25th anniversary of the Comprehensive Management Plan, PPA and other organizations have co-sponsored a regional planning conference for the entire Northeast U.S.

*For more information and to register, please see the website:*

[www.regionalplanningcomesofage.org](http://www.regionalplanningcomesofage.org)

**PINELANDS COMMISSION  
MEETINGS**

Friday, June 9, 9:30am

Friday, July 14, 9:30am

**OPEN TO THE PUBLIC**

**CALL (609) 894-7300 FOR DETAILS**

**PINELANDS WATCH**

Get involved in our activist network and help make a difference! To receive the Pinelands Watch or alert us to an issue of concern in your community,

call (609) 859-8860 x22 or e-mail [theresa@pinelandsalliance.org](mailto:theresa@pinelandsalliance.org)

**INSIDE THE PINELANDS**

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PINELANDS PRESERVATION ALLIANCE*

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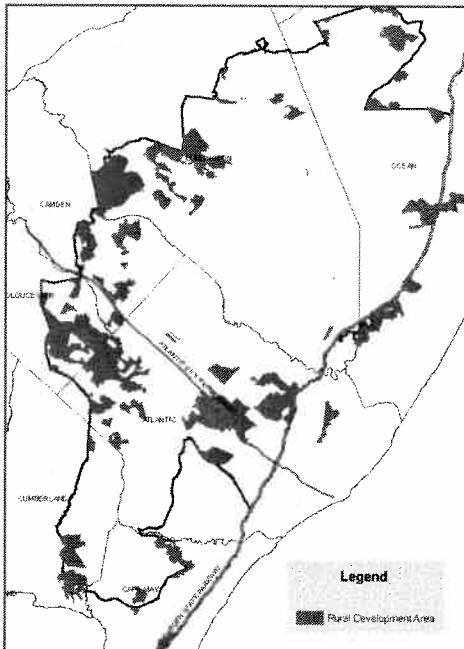
**Distributed to:**

PPA members and volunteers, state legislators, Pinelands municipalities, elected officials, planning boards, and selected officials.

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high as 1 unit per acre, provided that the overall density of 1 unit per 3.2 acres is maintained. Also, development on undersized lots is permitted through a density transfer program. This allows development on lots as small as one (1) acre.



Rural development areas in the CMP

The CMP requires that each municipality establish a Transfer of Development Rights (TDR) program and that each municipal land use ordinance allow the owner of a small lot to buy land in another part of that zoning district to meet lot size requirements. When the landowner buys the non-contiguous land, it must be deed restricted so that no development can occur. Yet another option is to create "municipal reserve areas." These areas can be developed at the same densities as Regional Growth Areas once the growth areas are filled. Even though few townships have taken advantage of this option to date, housing pressure is building and it will be used eventually.

All of this flexibility to allow higher density housing development is compounded by the fact that municipal sewers are prohibited in this management area, except under certain conditions. One of the side effects of allowing higher housing densities in areas not serviced by sewers is that there are a greater number of homes with septic systems than originally anticipated. This could lead to groundwater contamination if geologic conditions are not favorable. However, the conundrum is that if the Pinelands Commission changes the CMP to permit sewers, then the Rural Development Area is more likely, over time, to become like the Regional Growth Area.

In summary, the Rural Development Areas were intended to serve as rural buffers, or as overflow areas for growth zones in the future. The question, then, is at what point in the future will the Rural Development Areas and the other higher growth areas really become indistinguishable?

**Off-Road Vehicle (ORV)  
Public Meetings  
Come hear about how to prevent ORV use on public and private lands**

Saturday, June 24, 1 - 4pm at Batsto Village Auditorium

Saturday, July 15, 1 - 4pm in Buena Vista Township, Court Room

Saturday, August 19, 1 - 4pm at Pinelands Preservation Alliance, Bishop Farmstead

For more information contact Jaclyn Rhoads at (609) 859-8860 x 18 or [jaclyn@pinelandsalliance.org](mailto:jaclyn@pinelandsalliance.org)



Photo: PPA

Volunteer gardener Marilyn Hartford does some spring cleaning on the new Kitchen Garden at the Bishop Farmstead

**ATTENTION MIDDLE SCHOOL & HIGH SCHOOL SCIENCE AND SOCIAL STUDIES TEACHERS:**

**7th Annual Pinelands Summer Teacher Institute  
July 10-14, 2006**

Highlights include: a canoe trip on the Batsto River, a field trip to a Pinelands ghost town, and (new this year) a tour of the Barnegat Bay Estuary.

Call (609) 859-8860 x24 or email [mikeh@pinelandsalliance.org](mailto:mikeh@pinelandsalliance.org) for more information



Photo: PPA

Rattled author Debra Galant signs copies of her new book after a recent reading at PPA.





*Paul Mowbray, a resident of Atlantic County, wrote the following history of the Weymouth Road Bridge for our January 2002 edition of Inside the Pinelands. It is being reprinted*

*because the Atlantic County Engineering Department recently held a public meeting to present their proposed bridge replacement alternatives and take public comment.*

*Nine alignment alternatives were presented at this meeting. None of the alternatives were for repair of the roadway and bridge. Residents who want to get involved in protecting this bridge should write the Atlantic County Freeholders at 201 S. Shore Road, Northfield, NJ 08225. The consultant for the project is also accepting comments by writing to William Meister, Project Manager, DMJM Harris, Inc., 485-B US Route 1 South, Iselin, NJ 08830.*

The Pinelands region of New Jersey is well known as the home of a number of rare and endangered species of plants and animals whose continued existence is constantly threatened by the pressures of encroaching development. What is not usually thought of when the Pinelands comes to mind are the rare and significant examples of past human endeavor which are scattered throughout the region. Many of these historic landmarks are taken for granted until, one day, suddenly their absence grabs our attention.

Just off the Black Horse Pike in Weymouth, Atlantic County, as one heads North on County Route 559, is a stretch of road which runs along the top of a narrow levee shaded by hundred-year-old trees. On the left side of the road is the tea-colored Great Egg Harbor River. Not seeming so great at this point, it meanders around switchback turns, slowly making its way to Lake Lenape and eventually, the sea. To the right is a tall brick chimney and some old stone ruins in a small park. They are the only visible remains of a once vibrant 19th century industrial center which produced paper from rags, rope and wood pulp from 1865 to 1887. For sixty years before that, the site was home to a bog iron furnace, grist mill, saw mill and a company town of about 600.

The narrow levee carrying the roadway is actually the top of an old dam which provided water power for the industrial oper-

ations. Just ahead is a little steel pony truss bridge which carries the road over what was once the outlet to the mill pond.

Many people drive this road every day, enjoying the pastoral setting and quaint simplicity of the steel truss bridge, but few know that this bridge is one of the last of its kind in the entire South Jersey region. Just like the endangered species in the Pinelands, this unique example of 19th century engineering is being threatened by the forces of development.

In this case, businesses that rely on heavy trucking are looking for potential commercial routes that will speed them toward their destinations through uncluttered rural areas. Unfortunately, the Weymouth Road Bridge is limited to loads of nine tons so it is currently unsuitable for heavy commercial trucking. This has prompted Atlantic County, after some years of business lobbying, to propose removal of the historic bridge in order to widen the levee and construct a much wider and longer bridge.

In April, the Weymouth Road Bridge was placed on the NJ Register of Historic Places and soon after on the National Historic Register. It is a Warren pony truss design patented in 1848 by James Warren and Willoughby Monzoni. There are only seven of these bridges left in South Jersey and several of them are scheduled for replacement in the near future.



*Weymouth Road Bridge*

The Weymouth Road Bridge was built in 1920 from plans drawn up by Atlantic County Engineer Alexander Nelson, the county engineer who was responsible for the modernization of the Atlantic County roads system from 1913 to 1947. The Warren truss design was quite popular in the late 19th and early 20th centuries for a

number of reasons. Often, as in the case of the Weymouth Road Bridge, a steel truss design would be specified to replace an earlier wooden beam or wooden truss bridge. Wood was not well suited to handle the tensile stresses of a truss design and was subject to deterioration through rot, so iron and steel became the materials of choice for truss bridges. The Warren design was especially favored because it was easily assembled from a number of factory-produced parts and was able to take advantage of a 19th century fastening system advance: the pneumatic field riveting system. This system was quick to assemble, reliable and extremely rigid.

Because of its relatively unmodified state and its status as an authentic example of an increasingly rare 19th century engineering achievement, the Weymouth Road Bridge is a historically and culturally significant structure and a part of Pinelands heritage. It is located on a site which is even more historically significant than the bridge itself: the Weymouth Industrial Archaeological District, where unique Pinelands industries and communities flourished for a century.

An extensive construction project to widen and extend a bridge in an area flanked by a federally designated Wild and Scenic River, a nationally recognized historical industrial site, and involving the destruction of a State and National Historic Register site is antithetical to the goals of preservation of the historical, cultural and environmental attributes which are unique to the Pinelands. In addition, the purpose of the project, which is to open the environmentally sensitive rural areas west of the Black Horse Pike and the Great Egg Harbor River to high speed heavy commercial truck traffic, undermines efforts to preserve the ambiance of rural Pinelands areas.

Atlantic County should reconsider this project and, instead of destroying Pinelands history and funneling commercial traffic onto rural roads, take responsibility for the rare local treasures that have managed to survive and protect them from uncontrolled developmental pressures.

*For a copy of the meeting handout, which briefly described the alternatives, e-mail [theresa@pinelandsalliance.org](mailto:theresa@pinelandsalliance.org).*



Harry Shallcross is a PPA member, a member of PPA's Advisory Committee, and a regular attendee of our Pinelands Adventures. Harry kindly shared with us his thoughts about his involvement with PPA.

**PPA:** How long have you been a member of PPA?

**HS:** I've been a member since 1998.

**PPA:** What prompted you to become a member of PPA?



PPA member Harry Shallcross

**HS:** I moved to Medford in 1996 from the Minneapolis-St. Paul area. I'm a native of North Jersey, but lived briefly in South Jersey in the early 1980's before moving to Minneapolis, and had become acquainted with the Pine Barrens. I have my own independent consulting business and decided to live and work out of South Jersey, because I like the quality of life here. The Pine Barrens was a big part of that decision.

I attended a number of day programs at the Woodford Cedar Run Wildlife Refuge, some of which were led by Russell Juelg. I enjoyed them very much, and when Russell moved to PPA in 1998, I began to attend the "Adventures" offered there. Through those activities I became better acquainted with the Pinelands Commission and the PPA mission. So I joined.

**PPA:** What PPA programs or events have you attended?

**HS:** I've done most of the adventures at least once, many several times. I've hiked the length of the Batona Trail five times. I've been a regular at many of the canoeing and land navigation activities. They are always a great time in the outdoors, with interesting and enjoyable people.

**PPA:** What specific PPA activity has really impressed you?

**HS:** I admire the tenacity of PPA's advocacy efforts when the Pinelands are threatened. I was particularly impressed with the PPA role in trying to block the construction of Seneca High School in a supposedly protected area several years ago, even though it was unsuccessful. It brought home how much effort is required to fight for environmental protection.

**PPA:** What has PPA done for you, your family, or your town?

**HS:** PPA has provided me a point of reference for understanding the richness of the Pinelands, as well as it's vulnerability in the current economic and political environment. I'm comforted that there is a strong advocate for the Pine Barrens against the development interests that threaten it. I've also had a lot of fun exploring the Pine Barrens with some interesting and knowledgeable people.

**PPA:** Why would you urge others to join PPA?

**HS:** The activities are fun and supporting PPA is essential to preserve this treasure. PPA offers an opportunity to act locally on the global issue of environmental preservation. I strongly believe that the environment is the most significant issue of our times. It affects everyone, and PPA offers direct involvement and personal connection.

*Look for profiles of other PPA members in future editions of Inside the Pinelands.*

**PPA'S NEW  
BUMPERSTICKER!  
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RESERVE: THE NJ  
PINELANDS"**

**Let the world know that you care  
about the future of the Pinelands**

**Cost: \$2.00**

**Call (609) 859-8860 x15 or e-mail  
mike@pinelandsalliance.org**

**FAIRS & FESTIVALS**

**JUNE 11**

**BURLINGTON COUNTY EARTH FAIR**  
SMITHVILLE PARK, EASTAMPTON

**JUNE 24 (RAIN DATE - JUNE 25)**

**WHITESBOG BLUEBERRY  
FESTIVAL**

WHITESBOG VILLAGE, BROWNS MILLS

**JULY 11-16**

**OCEAN COUNTY FAIR**  
ROBERT MILLER AIRPARK, BERKELEY

**JULY 19-22**

**BURLINGTON COUNTY FARM FAIR**  
LUMBERTON GREEN, LUMBERTON

**JULY 29**

**ALLIANCE FOR A LIVING OCEAN'S  
6TH ANNUAL FANTASEA FESTIVAL**  
BEACH HAVEN

**AUGUST 5**

**GREENHEAD FLY FESTIVAL**  
TUCKERTON SEAPORT, TUCKERTON

**AUGUST 19 & 21**

**MONMOUTH COUNTY  
FRIENDS OF CLEARWATER  
29TH ANNUAL FESTIVAL**  
SUNSET PARK, ASBURY PARK



Vincent Abraitys, in his 1975 book *The Backyard Wilderness*, devoted a chapter to Frank and Robert Hirst. "These two young men," he said, "have become ... the recognized authorities on the Pine Barren flora of New Jersey." In 1959, the Hirst brothers had discovered a plant in an intermittent pond in the Pine Barrens that turned out to be new to science. It was subsequently found at one similar location. In 1961, Jason Swallen published a formal description of the novelty and honored the two men by naming it *Panicum hirstii*.

Somewhat mysteriously, it has all but disappeared now from both sites.

What to do? No one really knows. As with most rare plants, there's no reason to believe that we can artificially create the complex habitat conditions and grow the plant somewhere else. But *Panicum hirstii* highlights some of the things we must do to protect the components of the Pinelands community that make it unique. We must continue to develop a broad and deep natural history knowledge base. We must support organizations that protect natural open space. We have to effectively manage that open space. And we need an army of volunteers to help.

Knowledge and expertise does not rest solely with the pros. The Hirst brothers were not professional botanists; their contributions were possible because they patiently acquired the skills. In the same way, all of us can continually add to our natural history repertoires and make important observations. The thrill of learning is reward enough, but some of these observations can be significant, such as when amateur botanist Renee Scagnelli rediscovered Southern Adder's-tongue Fern, which hadn't been reported in the state for many years.

Obviously, no amount of knowledge can help the conservation effort unless we preserve our natural wildlife communities. Frank and Robert Hirst would not have made their discovery

if the pond had been drained for agriculture or development. Nor would they have found the plant if the pond was in a city park or polluted by stormwater run-off. Even relatively small amounts of development can change water and soil chemistry in the Pinelands, resulting in the loss of characteristic plant and animal communities. Public support for acquisition of open space for wildlife communities is essential.

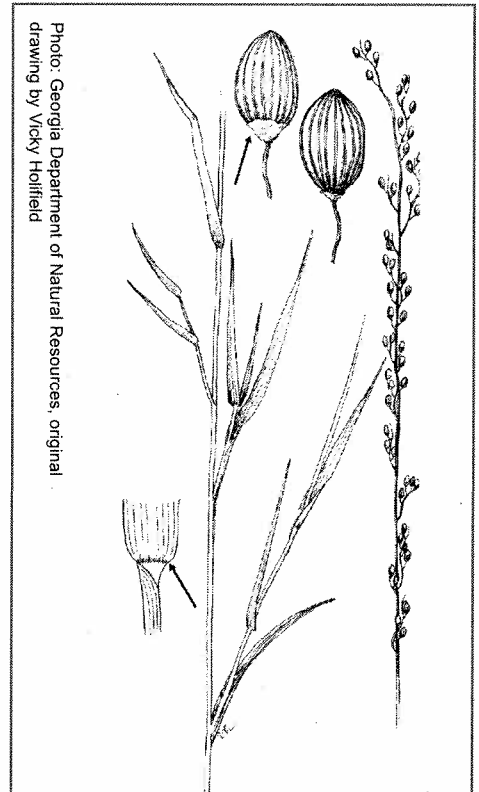
Even so, acquisition alone of natural lands will not necessarily result in successful conservation of rare plant habitats. We have to insist also on the development of sound management practices. *Panicum hirstii* probably declined at the two ponds where it was discovered due to problems that may have been manageable had the resources been available. According to NatureServe, one of the ponds was "degraded from pollution received in an illegally constructed ditch, and both sites are vulnerable to off-road vehicles." Both government and nonprofit organizations need money and personnel to develop and implement stewardship programs in order to address such threats.

Finally, we can help save rare plant communities by expanding volunteer programs. Right now, organizations such as PPA, The Nature Conservancy, New Jersey Conservation Foundation, and New Jersey Audubon Society accomplish their missions largely because of generous volunteers. The U.S. Fish and Wildlife Service has initiated volunteer programs to help monitor and accumulate data on Swamp-pink and Knieskern's Beaked-rush. Such partnering creates a synergy that not only helps move specific tasks forward but also stimulates the public and government alike to new levels of effective action. You probably can't grow *Panicum hirstii* in your backyard, but you might become part of a team that keeps it alive in its natural home.

By the way, there may be a happy end-

ing to the *Panicum hirstii* story. It is now known to have occurred—and may occur still—in Delaware, North Carolina, and Georgia, though in each of these states it is extremely rare, and the individual populations fluctuate in abundance from year to year. A third population has also been discovered in New Jersey. It's possible that more searching will turn up more sites.

The bottom line is that you can help protect the distinctive rarities of the Pinelands flora. The more you know about the rare plants and ecological communities of the Pinelands, the more you can contribute. You can support conservation of natural open space, as well as good stewardship for those lands, whether municipal, county, state, federal or private. Finally, you can contribute through volunteer programs. Call us if you want to get more involved!



Line drawing of *Panicum hirstii*, illustrating the distinctive wand-like contracted panicle

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## PINELANDS CALENDAR OF EVENTS

### June & July 2006

NOTE: Names, addresses, and phone numbers are provided here for frequently mentioned event sponsors. Please contact the sponsor of the event for full information and details of the event.

Bass River State Forest (BRSF), 762 Stage Rd., Tuckerton. (609) 296-1114.

Bayshore Discovery Project (BDP). (800) 485-3072.

Outdoor Club of South Jersey (OCSJ). Call leaders to confirm trip. [www.ocsj.org](http://www.ocsj.org)

Pinelands Institute for Natural & Environmental Studies (PINES). A program of Burlington County College. (609) 893-1765, <http://staff.bcc.edu/pines/>

Pinelands Preservation Alliance (PPA), 17 Pemberton Rd., Southampton. (609) 859-8860. [www.pinelandsalliance.org](http://www.pinelandsalliance.org). 10% discount on Pinelands Adventures programs to PPA members. Pre-registration required for all PPA programs.

Wells Mills County Park (WMCP), Rt. 532, Waretown. (609) 971-3085.

Whitesbog (W). All events meet at the Whitesbog General Store, Historic Whitesbog, mile marker 13, Rt. 530, Pemberton Township. (609) 893-4646, [www.whitesbog.org](http://www.whitesbog.org).

#### Saturday, June 17-Sunday, June 18

Overnight Canoe Trip

We'll start about 8 am and paddle down the Mullica River. Mom or Dad come free with a son or daughter. Night life includes campfire, music, stories, and a hike in the dark at Mullica River Campsite (primitive). Reservation required. \$35/person. + (approx.) \$80 per canoe payable to the canoe livery. Call (609) 859-8860 for information. **PPA**.

#### Saturday, June 17

The Civilian Conservation Corp. at NJ's First State Forest 8-9:30 p.m. at the Lake Absegami Beach Complex. No fee, bring chairs. Sponsored by Bass River State Forest. (609) 296-1114. **BRSF**.

#### Sunday, June 18

The Civilian Conservation Corp. "Parkitecture" Walking Tour

Meet at the Interpretive Center in the South Shore. 10a.m.-12:30 p.m. \$10.00 parking fee. Walk is approx. 2 miles on flat ground. Sponsored by Bass River State Forest. (609) 296-1114. **BRSF**.

Father's Day Fishing Sail & Continental Breakfast

Treat Dad to a relaxing fishing trip aboard the historic AJ Mcerwald sailing ship, beginning with a continental breakfast. Please bring along your own fishing gear and bait. 8am-12pm. \$15 for children (12 years and under), \$30 adults, \$25 seniors. Bayshore Discovery Project. **BDP**.

#### Friday, June 23

Jersey Devil Hunt

Wharton State Forest, 7-10 p.m. We search the woods for the most infamous denizen of the Pine Barrens, gather 'round a campfire (bring hot dogs & marshmallows), and enjoy old-time music. Reservation required. \$10/person. Call (609) 859-8860 for information. **PPA**.

Blueberry Fest

Celebrate all things blueberry at Historic Whitesbog Village, birthplace of the cultivated blueberry! Family Festival Fun! \$7 per carload. 1-4 pm. **W**.

#### Sunday, June 25

Harrisville Hike & Swim

5-7 miles, moderate pace. Short hike to warm up. Then spend as long as you like at the pond. Bring swim wear, picnic or barbecue food, insect repellent. Meet at 10am at Harrisville Pond, Rt. 679, a spur off Rt. 563, between Chatsworth and New Gretna. Leaders: Christine Denecler, 856-461-5379. Joseph Trujillo, 856-468-4849. **OCSJ**.

#### Tuesday, June 27

Orchids and other Wildflowers of the Pine Barrens

The Pine Barrens is noted worldwide for its unique flora. From the bogs of Webbs Mills to the dry plains of Warren Grove, we are sure to see several species, several of which are considered to be quite rare. Be sure to wear old clothes, sneakers, or low boots. Pack your lunch. Meet: Parking Lot, Wells Mills County Park, Waretown, 9:00 a.m. - 2:00 p.m. \$14.00 per person. **WMCP**.

#### Saturday, July 1

Star Gazing at the Beach

Sunset to 10:00 p.m. at Lake Absegami Beach. Sponsored by Bass River State Forest and Willingboro Astronomical Society. No Fee. (609) 296-1114. **BRSF**.

#### Sunday, July 2

Paddle the Mullica River

Meet at 10am at Atsion Ranger's Station. Paddle from 206 then thru "Lilly Pad City" ending at Pleasant

Mills takeout. No rentals. Leader: Vicki S. 856-256-9568 or [raving-writer@netzero.com](mailto:raving-writer@netzero.com). **OCSJ**.

#### Saturday, July 8

Moonlight Walk (Buck Moon)

1-2 or 3-5 mile walk around the village and bogs, a great opportunity to learn about Whitesbog and discover the seasonal changes of the Pinelands. Led by experienced guides. 7pm. \$5 per person. Please call (609) 893-4646 for details. **W**.

#### Tuesday, July 18

Carnivorous Plants of the Pine Barrens Presentation & Driving Tour  
An indoor program provides a guided examination of the interesting characteristics of the sundew, pitcher plant and bladderwort. In a driving tour, we will find these plants in their lowland habitats. 10am-12noon, \$7/person. Must pre-register (609) 893-1765. Burlington County College's - Pinelands Institute for Natural & Environmental Studies, Whitesbog Village. **PINES**.

#### Saturday, July 22

Blueberries: The Wonder Fruit

Speaker: Judith K. Russo, through the NJ Council for the Humanities Speaker's Bureau. Free. Reservations are necessary. Please call (609) 893-4646 for details. **W**.

#### Tuesday, August 1

Hummingbird Presentation & Observation

10am - 12noon, \$7/person. Get a close look as these tiny birds interact with others as they zip between flowers of the sprawling trumpet vine, just outside the General Store. Must pre-register, (609) 893-1765. Burlington County College's - Pinelands Institute for Natural & Environmental Studies, Whitesbog Village. **PINES**.

#### Saturday, August 5

Pinelands Folk Arts Festival

Atlantic County Park, Route 50, Estell Manor. 10am until 6pm. Crafters, Music, Folk Dancing and other events. Refreshments available. Free Admission and Parking. For more information call Cathy, (609) 476-4754.

If your organization is having an activity you would like to see listed, contact *Inside the Pinelands*, 17 Pemberton Road, Southampton, NJ 08088; ph: (609) 859-8860; e-mail [mikeh@pinelandsalliance.org](mailto:mikeh@pinelandsalliance.org). Next deadline: July 5, 2006.



PLEASE SUPPORT OUR MISSION & BECOME A MEMBER

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

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

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone (Day): \_\_\_\_\_ (Evening): \_\_\_\_\_

E-Mail: \_\_\_\_\_

Check enclosed payable to PPA

Mastercard

Visa

Discover

Card Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Signature of Card Holder: \_\_\_\_\_

**Membership Categories**

- Basic  \$35
- Family  \$60
- Sponsor  \$100
- Patron  \$250
- Benefactor  \$500
- Chairman's Circle  \$1,000
- Other  \_\_\_\_\_

*All members receive:*  
A PPA membership card  
A year's subscription to *Inside the Pinelands*  
A Free *Pinelands Adventure* (new members)  
A PPA window sticker  
Discounts on PPA merchandise and events

**SEE PAGE 5 FOR OUR  
SUMMER FAIR & FESTIVALS  
SCHEDULE**

A Sponsor will receive an *Exploring the Pine Barrens of New Jersey* map  
A Patron will receive a copy of *Exploring the Pine Barrens of New Jersey* book  
A Benefactor will receive a Pinelands Botanical Print by Robin Jess  
A member of the Chairman's Circle will receive a personalized tour of the Pinelands



PINELANDS PRESERVATION ALLIANCE  
BISHOP FARMSTEAD  
17 PEMBERTON ROAD  
SOUTHAMPTON, NJ 08088

ADDRESS SERVICE REQUESTED

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SO, WHAT'S THE PLAN? PART 4: RURAL DEVELOPMENT AREAS/  
WEYMOUTH BRIDGE STILL UNDER THREAT