The Pinelands is one of Earth’s great natural treasures. Its origins are a compelling story of natural history, people power, and politics done right. Today too few people know that story and too few know how they themselves can become effective voices for the Pinelands. This lack of knowledge is a big problem as the Pinelands faces threats new and old from political and economic forces.

There is also a growing disconnect between the younger generation and nature. It has become a truism that a generation ago, kids would hop on their bikes and spend the day exploring and playing in the great outdoors. Many developed a lasting appreciation of nature that they carried with them through their adult lives. For many people today, opportunities to connect with nature have been displaced by the internet, social networking, video games and organized sports.

PPA needs to address these challenges if we are to build a community of active Pinelands supporters and expand our educational impact. Only an active public that demands the Pinelands be saved will ensure our public agencies and officials do right by the Pinelands, year after year, in the face of pressure to weaken or waive environmental protections.

Motivated by this goal, PPA is launching a new initiative called Pinelands Adventures. We have established a canoe/kayak livery operation to serve as the foundation for a comprehensive program of nature, recreation and education experiences for individuals, families, schools and community groups.

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Planting native species around your home or business limits your impact on the surrounding environment. Native plants serve as hosts for many native insects and are well adapted for growing in the sandy, acidic pine barren soils. Native plants don’t require the additional fertilizers and watering that many non-native ornamentals do. This not only saves money, but also limits the negative impacts fertilizers may have on our unique pine barren soils and water. Providing cover for animals and attracting native bees and butterflies are some of the other benefits to planting a native garden. Add to the plant diversity of your home or business by planting a native garden this spring!

This year PPA will hold its 10th annual Native Plant Sale on April 25th at our Bishop Farmstead in Southampton from 11:00am-3:00pm. **PPA’s members-only sale will take place Friday April 24th from 3:00pm – 6:00pm. You must be a PPA member or become one that day to attend.**

We will have over 50 species and varieties of plants with prices ranging from $2.50 for plugs to $18.00 for larger trees and shrubs. Plants that are native to South Jersey and the Pine Barrens will be for sale. **We hope to see you there!**

Contact Ryan, Director of Conservation Science, with questions regarding the native plant sale – phone 609-859-8860 ext 26 or ryan@pinelandsalliance.org.

Some of the plants you will find include*:

### Trees/Shrubs/Vines


### Herbaceous Plants


Our thanks go out to **Pinelands Nursery, Fernbrook Nursery and New Moon Nursery** for making this sale possible.

*This list is subject to change - some plants may not be available due to availability from the nursery. A full plant price list will be posted on our website.*
Illegal off-road vehicle use is one of the greatest threats to preserved open space. Off-road vehicles can compact soils, disturb wetlands, destroy vegetation and cause sedimentation and erosion of waterways. The vehicles typically access areas that aren’t patrolled by law enforcement or traveled by the general public for low impact recreation such as birding and hiking. The Pinelands Preservation Alliance and nearly 30 partner organizations throughout New Jersey have been fighting the destruction caused by illegal off-road vehicles by seeking policy reforms, increased enforcement, and restoration of damaged sites for over a decade, but there is little collective information about the extent of the damage and where it is occurring on state-owned lands.

In 2014, Pinelands Preservation Alliance received funding from the William Penn Foundation to survey and map sites of illegal off-road vehicle damage and dumping on state-owned lands in the Pinelands. South Jersey Land and Water Trust conducted the survey on behalf of Pinelands Preservation Alliance and documented 114 damaged sites but many more sites remain. The type of landscapes damaged by illegal dumping and ORV use included sand roads, upland forests, savannahs, forested and open wetlands, vernal pools and historic sites. Damaged sites were found throughout the following Wildlife Management Areas (WMA): Cedar Lake, Makepeace Lake, Peaslee, Stafford Forge, White Oak Branch, Winslow and the state forests of Greenwood and Wharton.

We can use Winslow Wildlife Management Area to demonstrate the type of damage found at these sites. At Winslow there is extensive driving through vernal pools that contain various species of frogs and native flora. In one location green frog, southern leopard frog, cricket frog, and floating hearts (Nymphoides cordata) were found in an area of about 2,000 square feet of ATV and monster truck disturbance along with various debris including bottles. While some species may continue to survive in a few of the sites, there are locations where photo documentation shows evidence of plants and animals that have been destroyed by these vehicles.

This project is beginning to quantify the amount of damage that is occurring and where it is happening. It ends the debate that off-road vehicle damage is minimal in nature. It also helps bring resources to areas badly in need of restoration or enforcement. It is disturbing to realize that so much damage goes unrecorded without prosecuting the offenders, but fortunately, this project begins to address the documentation problem.

New Jersey Conservation Foundation and PPA have mapped the survey locations which include photos with latitude and longitude plus other information necessary for restoration efforts. The map is available on PPA’s website at www.pinelandsalliance.org. The goal of this project is to increase awareness about this problem, understand the extent of damage, and identify areas for restoration.

At this point, more work needs to be done to restore damaged areas and prevent future damage of these sites on state-owned land. In particular, volunteers are working with Wharton State Forest to restore these sites by blocking access, installing signs and directing increased enforcement to these areas.

Our hope is that this work will serve as a model for state lands throughout the rest of the state. We will continue to document ORV impacts in other areas in the Pinelands in order to target restoration efforts and prevent additional damage from occurring.
I am so excited to join PPA as the new Director of Conservation Science. I was first introduced to the New Jersey Pine Barrens as an undergraduate at Rutgers University working as a research assistant on a small mammal study. I graduated from Rutgers in the spring of 2010 with a Bachelor’s of Science degree in Ecology and Evolution and a minor in Entomology and Economic Zoology. In the fall of 2010 I entered the Drexel University Environmental Science graduate program on a fellowship through the Louis Stokes Alliance for Minority Participation. On March 3rd of this year I defended my dissertation and earned my Ph.D. in environmental science.

My Ph.D. research was focused on the influence of land management on populations of *Gentiana autumnalis* (Pine Barren gentian) in New Jersey. From 2011-2013, I visited known Pine Barren gentian populations that were subject to prescribed burning, mowing, or left unmanaged. My goal was to better understand how our management of the land impacts the site conditions, population structure, and pollination of this rare, fall flowering species.

The Pine Barren gentian is typically found in early-successional habitats that were historically maintained by natural disturbance, such as wild fires. With current fire suppression practices, prescribed burns and roadside mows are used to reduce fuel load and attempt to limit the encroachment of later successional plant species. Overall, Pine Barren gentian populations at these sites were limited in their number of flowering plants and had few seedlings. Populations that were actively managed had a higher density of gentians, and a greater proportion of seedlings and flowering plants in the population. These managed sites differed from unmanaged sites in having significantly greater canopy openness and less competition from woody shrubs.

Introducing mowing or burning to previously unmanaged sites resulted in increased densities of gentians, flowering percentage, and total site seed set within two to six months. Actively managing late successional sites for reduced woody competition through mowing and prescribed burns, has the potential to improve populations of other rare, early-successional plant species, much like what was recorded with the Pine Barren gentian. Other threats that currently exist for this species include mowing during the flowering season, herbivory, and granivory. Both the timing and form of management have been found to be important when planning for the conservation management of rare plant species.

**Annual Native Plant Sale**

*April 25th, 11am – 3pm at PPA Headquarters*

Our biggest sale yet with thousands of plants native to the Pinelands & South Jersey!

Trees, shrubs, vines, grasses, ferns and wildflowers at prices between $2.50 for plugs and $18.00 for specialty shrubs

**Members Only Pre-Sale**

*Friday, April 24th 3:00 pm to 6:00 pm*

Must be a current PPA member (or become one that day) to attend!

A plant price list will be available on our website by mid-April.

**For more information:**

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

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**Pinelands Commission Meetings**

The Pinelands Commission is an independent state agency overseen by a 15-member board of unpaid Commissioners.

Monthly meetings are open to the public. Join us!

**Thurs., May 7, 6:00 pm**

**Fri., June 12, 9:30 am**

NJ Pinelands Commission

15 Springfield Rd.

Pemberton, NJ

[www.nj.gov/pinelands](http://www.nj.gov/pinelands)
Pinelands Adventures is located at 1005 Atsion Road in Shamong, the former site of Adams Canoe Rentals. Pinelands Adventures will provide paddling trips on Batsto River and Mullica River, as well as hikes and other land-based expeditions throughout the Pine Barrens. Program offerings will include guided paddles and hikes, unguided canoe and kayak livery services, and all sorts of nature and history programs for families, individuals, schools and community groups.

Generations of people have learned to love the Pine Barrens by canoeing, kayaking and camping using the Adams livery service. We will build on that legacy of responsible, low-impact recreation and learning.

Pinelands Adventures will officially open its doors on Saturday, May 2nd, and will be open seven days a week.

To reserve your trip, go to www.pinelandsadventures.org. You can also email Pinelands Adventures at info@pinelandsadventures.org.

**Pinelands Adventures aims to achieve these key goals:**

- Increase active recreation in the Pinelands by bringing new people into the region and providing them with memorable nature experiences.

- Visitors become more informed about the Pinelands, its water and other natural resources, the challenges in conserving these resources, and – most importantly – ways they can help save the Pinelands.

- Pinelands Adventures will create new field trips for schools and community groups. These will include opportunities for students and families who come from disadvantaged urban areas and do not often get to experience Pine Barrens wilderness.

We hope everyone who cares about the Pinelands will come to Pinelands Adventures for paddling and non-paddling trips and – most important of all – will bring friends and family who do not know just what a wonderful place we have in the nation’s most crowded state.

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**Forked River Mountain Clean-up**

**Sunday, April 19**

9:00 am – 1:00 pm

Bring lunch and dress appropriately. 4WD vehicles needed. Sponsored by Forked River Mountain Coalition, Ocean County Parks and PPA.

**Pre-registration required.**

For information and directions (609) 971-1635.

**Great Photographs Needed!**

Photos of people enjoying the Batsto, Mullica, Oswego and Wading Rivers are needed as well as photos showing other activities in the Pine Barrens.

If you share images, we'll need your permission to use them as well as that of anyone identifiable in the photo.

Send images to info@pinelandsadventures.org

Minimum size 1000 px wide (or high if vertical) or send the best that you have and we’ll work on it.

**Stay Informed & Share Your Pinelands Love**

Email ppa@pinelandsalliance.org with the subject “Add my Email” to get our weekly emails.

Follow us on Facebook facebook.com/pinelands

Find us on Twitter @PinesAlliance

Share with us on Instagram @pinelandsalliance
In July 2014 Charles Caruso volunteered to become PPAs official representative on the Science and Technology Advisory Committee for the Barnegat Bay Partnership (BBP). BBP is one of 28 Congressionally designated National Estuary Programs in the United States working to help restore, protect and enhance the natural resources of Barnegat Bay. The program is sponsored by the United States Environmental Protection Agency, the Ocean County Board of Chosen Freeholders, and Ocean County College. Charles’ scientific expertise helps to maximize PPAs staff resources – he is a great addition to the team!

PPA: What prompted you to become a member of the Pinelands Preservation Alliance?

Charles Caruso: I had just retired from Merck Pharmaceutical Company after a 28-year career as a patent attorney spending much of the time in Washington, DC representing Merck on legal and policy issues that came before the US Congress. I learned how important the political process is to accomplishing an organization’s goal and how lobbying is a tool to make your voice heard. The PPA is the organization that lobbies on behalf of environmental values in the Pinelands before the New Jersey Legislature and the Pinelands Commission and I wanted to be part of an organization that is working to preserve this beautiful place.

PPA: What specific PPA activity has really impressed you?

CC: I have attended two lobbying events at the New Jersey Statehouse in opposition to the South Jersey Gas Pipeline and have been really impressed with the caliber of the PPA staff at these events, with their excellent communication and leadership skills in advancing the organizations position before legislators, and with the high regard they command from the legislators for their professionalism and knowledge.

PPA: What has PPA done for you? Your Town?

CC: I have kept a sailboat on Barnegat Bay for the past 30 years and PPA has been instrumental in protecting the water quality of the Bay. Much of the watershed of the Bay lies in the Pinelands and by insuring that any development is consistent with the Pinelands Comprehensive Management Plan the PPA has protected and preserved not only the Pinelands but also the waters that flow into the Bay from the Pinelands.

PPA: Why would you urge others to join PPA?

CC: The PPA is one of the best and most effective environmental organizations in New Jersey and if you want to protect and preserve the treasure of the Pinelands and Barnegat Bay you should join this organization. They are the respected voice in the New Jersey Statehouse advocating on behalf of environmental values. We all know New Jersey is highly developed, but if you want to preserve the beauty of this state for future generations please join this group of dedicated people.

PPA: What prompted you to volunteer as PPA’s representative on the BBP’s Science and Technical Advisory Committee?

CC: After retirement, my wife and I took a course at the BBP to become Volunteer Master Naturalists and we learned much about the region we have enjoyed for our whole lives. At one of the sessions I leaned that there was an opening for a PPA representative on the BBP Science and Technical Advisory Committee. I thought that with my scientific background and interest in policy I could help out to advance the goals of the PPA.

PPA: Anything else you like to add?

CC: By acting as the PPA representative on the BBP Science and Technical Advisory Committee, I have come to see the other environmental organizations in New Jersey. This has confirmed my belief that the PPA is the best group in advancing environmental values for the Pinelands and for New Jersey.

PPA MEMBER andum: Charles Caruso

FAIRS & FESTIVALS

SUNDAY, APRIL 26
ACUA EARTH DAY FESTIVAL
Egg Harbor Township, 10am - 4 pm

SUNDAY, JUNE 7
BARNEGAT BAY FESTIVAL
Wannamaker Complex, Island Heights
10:00 am - 4:00 pm

SUNDAY, JUNE 14
BURLINGTON COUNTY
EARTH FAIR
Historic Smithville Park, Eastampton
10:30 am - 4:00 pm

SATURDAY, JUNE 28
WHITESBOG BLUEBERRY FESTIVAL
Historic Whitesbog Village, Browns Mills
10:00 am - 4:00 pm

Stop by PPA’s table at these events!
The events listed below are just a few of the great Pinelands trips this spring.

Visit [www.pinelandsalliance.org](http://www.pinelandsalliance.org) and click on Event Calendar for a complete listing of Pinelands programs and trips provided by a wide variety of groups and organizations.

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**OPENING DAY**

**May 2nd**

Learn more on the web: [www.pinelandsadventures.org](http://www.pinelandsadventures.org)

Canoe and kayak rentals, guided tours, and other outdoor programs. Pinelands Adventures is an initiative of PPA. Sign up on the email list today or call 609-268-0189.

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**Yard, Garden and Native Plant Sale - Ocean Cty.**

Sat., May 16th, 12 noon to 4pm, Jakes Branch Nature Center, 1100 Double Trouble Road, Beachwood

Learn about our ecosystem, make a craft, or take a guided nature walk. Local organizations will be on hand with plenty of resources for the home gardener. Native plants will also be offered for sale by local nurseries.

FREE native seeds and plants to take home, and bring your own native plants or seeds to swap! Please label each item with the common and scientific names, collection date and location.

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**Camp Jam in the Pines - Atlantic Cty.**

May 14th - 16th, Bueno Vista Campground, 775 Harding Hwy. Buena 08310

Camp Jam was founded in 1999 by music lovers in the Jersey Pines and has been growing ever since. Enjoy three days of music, dancing, camping and happy people! An unforgettable weekend filled with an eclectic mix of music from all genres. Buy tickets online and learn more at www.campjam.org or call 856-697-5555.

Wooded campground is RV and tent camper friendly.

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**Exhibition - Pine Barrens Life and Legends**

Thru Sept. 13, 2015 at the Noyes Museum of Art of Stockton College, 733 Lily Lake Road, Oceanville NJ 08231

Learn about work and play of life in the Pine Barrens. Industries of charcoal, glass, paper and iron once thrived in the Pines, while music and merrymaking filled the dance halls and stories of witches and the Jersey Devil abounded. A collaboration between the South Jersey Culture & History Center and the Noyes Museum of Art. For more information call 609-652-8848 or www.noyesmuseum.org. Other events happening during this exhibit include:

- **Pine Barrens Storytelling & Music** on May 2, 2pm - 3pm
- **Russell Juelg, storyteller and musician**
- **Pine Barrens Crafter June 20, 1:00 - 2:00 pm**
- **Niki Giberson: Wool spinning and felting with hands-on experience**

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**Canoe/Kayak the Oswego River (Burlington Co.)**

Thurs., May 21, 10 am, Sponsored by the West Jersey Chapter of the Sierra Club

The American Red Cross was founded on this day in 1881! Enjoy an 8-mile spring paddle on “The Jewel of the Pinelands”. Meet at Lake Oswego, Lake Oswego Rd. Bring lunch and water. Boats can be rented from Mick’s Pine Barrens Rental 800-281-1380. Confirm trip and participation with George & Leona F. 609-259-3734 or Leona@pineypaddlers.com

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**Canoe/Kayak with your Pooch on the Wading River (Burlington Co.)**

Mon., May 25, 9 am, Sponsored by the West Jersey Chapter of the Sierra Club

Fortunato invites his “cousins” and dog lovers for a Memorial Day trip. Boats can be rented from Mick’s Pine Barrens Canoe and Kayak Rental 800-281-1380 Contact George & Leona F. to confirm trip and river section we are paddling. 609-259-3734 or Leona@pineypaddlers.com

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**Canoe/Kayak the Great Egg Harbor River (Atlantic Co.)**

Sun., May 31, 10 am, Sponsored by the West Jersey Chapter of the Sierra Club

This is a 10-mile trip on the “egg” from Penny Pot to Weymouth Furnace. Meet at the Harley Diner – arrive early for breakfast. Rentals are available from Palace Restaurant and Outfitters 609-625-8552. Contact George & Leona F to confirm trip and participation 609-259-3734 or Leona@pineypaddlers.com

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Find more Pinelands events on our website: [www.pinelandsalliance.org](http://www.pinelandsalliance.org) and click on Events Calendar
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CLICK: www.pinelandsalliance.org
CALL: (609) 859-8860
FOLLOW: www.facebook.com/Pinelands

SCAN: Scan this code to get to PPA’s website
This code can be scanned and read by a Smart Phone using a QR Code Reader app available from iTunes or Android web stores

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Name:
Address:
City: County: State: Zip:
Phone (Day): (Evening):
E-Mail: Referred by:

☐ Check enclosed payable to PPA
☐ Mastercard ☐ Visa ☐ Discover
Card Number: Exp. Date: 3 Digit Security Code:

Signature of Card Holder:

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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 PPA window sticker
Discounts on PPA merchandise and events
Sponsors receive a copy of The Pine Barrens: Up Close & Natural DVD
Patrons receive John McPhee’s seminal book The Pine Barrens
Benefactors receive The Pine Barrens of New Jersey, a photographic history of this region
Chairman’s Circle members receive the book Seasons of the Pines and a personalized tour of the Pinelands

Our mission is to protect and preserve the natural and cultural resources of New Jersey’s Pinelands.