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2019

YOUR COMPLETE GUIDE TO THE PARKS

SHENANDOAH NATIONAL PARK

ACTIVITIES • SIGHTSEEING • DINING • LODGING
TRAILS • HISTORY • MAPS • MORE



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WELCOME

Welcome to Shenandoah National Park! Established in the heart of the Appalachians in 1935, the park owes much of its construction, masonry and landscaping to the Civilian Conservation Corps. The creation of the park allowed the forces of nature to regenerate the scenic mountain terrain, which now provides a refuge for nearby urban populations.

In 1936, President Franklin Delano Roosevelt dedicated Shenandoah National Park to "this and to succeeding generations for the recreation and the re-creation" they would find here.

Like generations before you, you can explore, relax, and join us in securing the same memorable Shenandoah experience for future generations. Shenandoah needs your support to ensure it will be preserved and protected for many years to come. Enjoy the park, but be respectful at all times.

With the support of the American people, the National Park Service (NPS) works to protect this landscape and its visitors. The NPS and concessioner Delaware North Companies (Delaware North at Shenandoah National Park) work in partnership to ensure that your visit is a memorable one.

This *American Park Network* guide to Shenandoah is provided by Delaware North to enhance your appreciation and enjoyment of the park. The booklet has been made possible by the support of the sponsors whose messages appear inside. We hope this guide will become your companion while you explore Shenandoah National Park. Take it along while you hike, mark it up with notes and enjoy! Don't forget to pass it along to a friend, family member or even a complete stranger. The best way to ensure the future of the park is to encourage others to experience it!

FUN FACTS



Established: Shenandoah National Park was established in 1935.

Natural Features: The park features 300 square miles of the Blue Ridge Mountains, rising above the Virginia Piedmont to the east and the Shenandoah Valley to the west, with two peaks rising above 4,000 feet.

Popular Activities: Hiking, camping, fishing, wildlife viewing, horseback riding and many more recreational activities await you at the park.

Plants & Animals: More than 1,400 vascular plants, 100 trees and 300 species of animals thrive in the park. Deer, squirrels and groundhogs are common sights. Shenandoah National Park is home to one of the largest concentrations of black bears in the United States.

Scenic Driving: Skyline Drive, the park's scenic byway, has more than 75 overlooks with scenic views for miles.

Hiking: More than 500 miles of trails lead to stunning views of waterfalls, spectacular mountain vistas and lush forests.

Camping: There are four campgrounds in the park. Backcountry camping is allowed with a permit.



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WHAT'S NEW! WE'RE ALL CONNECTED

"When we try to pick out anything by itself, we find it hitched to everything else in the Universe."

—John Muir

As a young man, John Muir, the naturalist known as, "Father of the National Parks," had an accident that left him temporarily blinded. It changed his life forever. When he regained his sight, he emerged into the light ever-determined to pursue his dreams of exploration. Fortunately for the world, Muir's trials led him to help move Congress to set aside Yosemite, one of his many contributions to our nation's preservation movement.

When faced with adversity, we have but two choices. We can either rise above our circumstance or succumb to our demons of doubt, fear, resentment and apathy. While Muir was lucky to have his sight return, his subsequent efforts drew strength from hope, compassion, kindness and love to rise up from personal adversity.

Lately, it feels like we're all dealing with too many hurdles. Every hour, "breaking" news spews forth accounts of tragedy and divisiveness. It was with this backdrop that I was preparing to teach a restorative yoga class, to create a safe environment for my students and provide an hour's worth of peace and quiet to carry out into the world. What theme would capture their imagination and neatly underscore our human need for connectedness?

When teaching, I try to use examples that marry ancient tradition with contemporary



Mark, Joel & Alex – connecting in parks!

science. I often find inspiration in parks. In its traditional form, yoga was about joining with the collective universe. So, too, is Muir's quote, best illustrated by an example from Yellowstone. When wolves were reintroduced there after a 70-year absence, the rampant elk population could no longer leisurely nibble on willows, graze in open meadows or congregate by the rivers. In a short period of time, the forests and meadows began to regenerate. Song birds appeared. Beavers flourished, building dams, which created habitats for otters, muskrats and ducks. Cooler waters, shaded by more trees, attracted different species of amphibians and fish. Tree roots stabilized the river banks, diminished erosion and even changed the geography of the park! Indeed, pick out anything by itself and we quickly find that *everything* is connected.

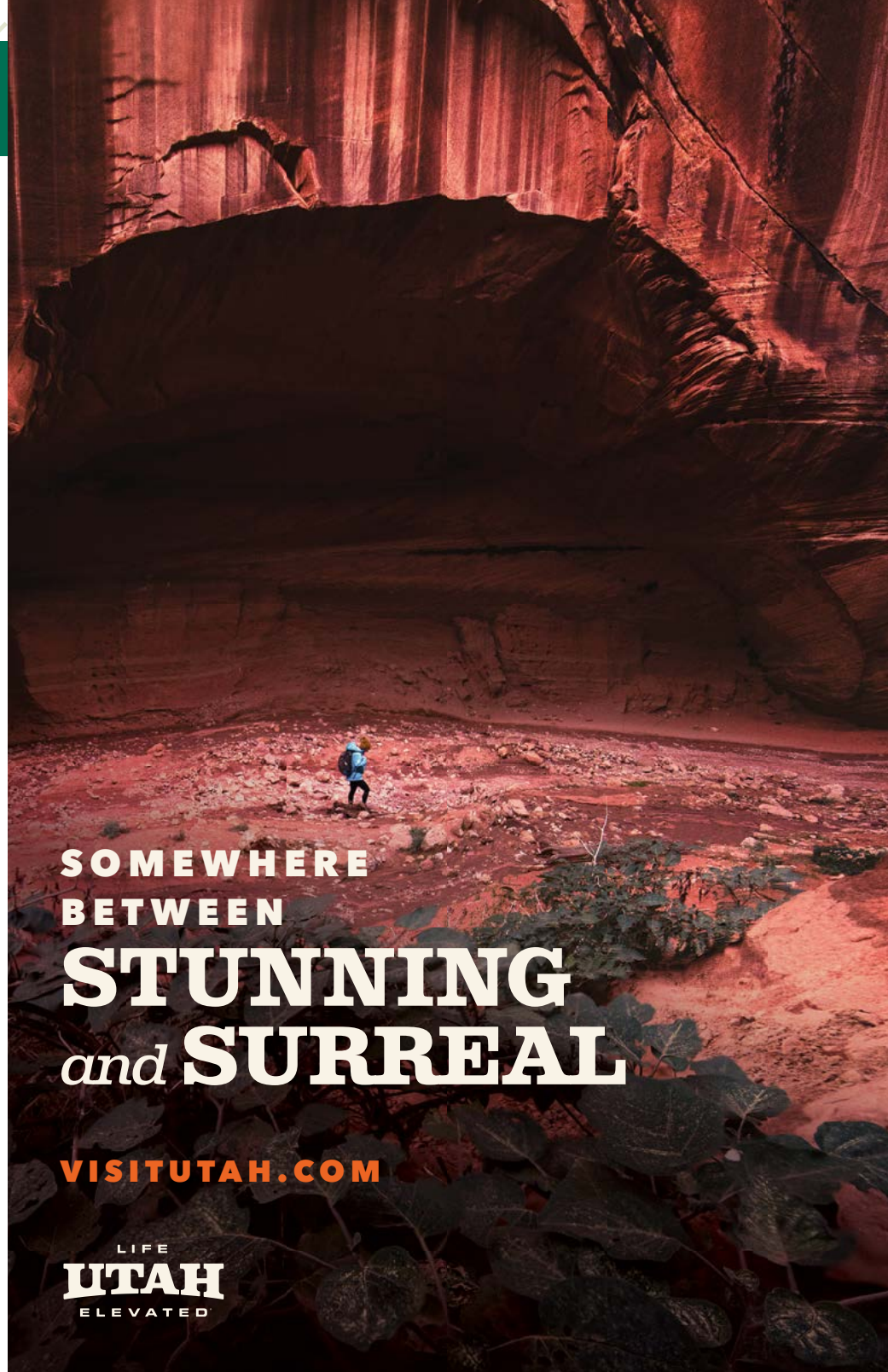
Now is the time to seek out connection—whether in a park, a yoga studio or anywhere you find inspiration—to find strength to rise up and overcome the obstacles that face us all...

mark@americanparknetwork.com



GET CONNECTED AT YOUR FAVORITE PARKS!

Parks are about enjoying nature, but what if you want to share a great picture or are awaiting an important email? If you're looking to add connectivity to your park, or if you already have Wi-Fi and would like help adding content or generating sponsor revenues, please let us know at wifi@americanparknetwork.com.



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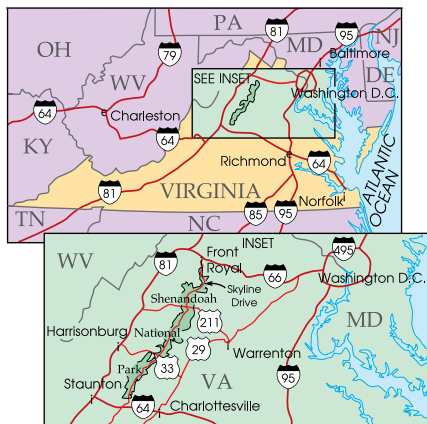
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PLAN YOUR VISIT

GETTING TO SHENANDOAH

Air: The park's south entrances at Rockfish Gap and Swift Run Gap are serviced by commercial flights to Charlottesville-Albemarle Airport, which is eight miles north of Charlottesville on Highway 29, **(434) 973-8342** or **gocho.com**; and



Shenandoah Valley Regional Airport, 18 miles northeast of Staunton or 14 miles south of Harrisonburg on Highway 256, **(540) 234-8304** or **flyshd.com**. Dulles International Airport is 1.5 hours east of the junction of U.S. 211 and Skyline Drive, and east of the junction of I-66 and U.S. 340 at Front Royal. For more information, visit **metwashairports.com**.

Bus: Greyhound offers bus service to nearby Charlottesville, Virginia. To make reservations, please visit **greyhound.com**.

Train: Amtrak serves nearby Charlottesville, Virginia. For more information about pricing and schedules, please call **(800) 872-7245** or visit **amtrak.com**.

Rental Cars: Agencies operate at the airports and major surrounding cities outside of the park.

Note: *Keep in mind there is no public transportation into the park. Visitors must find their own way into the park.*



ENTRANCE FEES AND FEDERAL RECREATION LANDS PASSES

A federal recreation pass is helpful if you plan to visit many national parks, forests or other federal lands. For information, call **(888) 275-8747** or visit **store.usgs.gov/pass**.

Type	Cost	Availability	Details
Annual Pass	\$80	General Public	This one-year pass is available on site, by phone or online (see above).
Senior Pass	\$80	U.S. residents age 62+	This lifetime pass is available on site or via mail order. ID required. Add \$10 processing.
Military Pass	Free	U.S. active duty military members and their dependents	This one-year pass is available on site. ID (CAC Card or DoD Form 1173) required.
Access Pass	Free	U.S. residents with permanent disabilities	This lifetime pass is available on site or via mail order. ID and documentation required.
Volunteer Pass	Free	250 cumulative volunteer service hours	Inquire locally to obtain information about this one-year pass.

PARK VISITOR GUIDE

The NPS park visitor guide details seasonal information about the park, such as ranger program schedules. It can be found in all visitor centers in the park as well as at the entrances.

PARK ENTRANCES

Nearly all of the overlooks, trails, historic sites and facilities in Shenandoah are accessed from Skyline Drive. This 105-mile scenic road runs north and south along the crest of the Blue Ridge Mountains offering visitors stunning views and many chances to enjoy the park's nature and wildlife.

There are four entrances to Shenandoah.

Front Royal Entrance Station in the north (Mile 0.6) is reachable via U.S. 340 and Highway 55. **Thornton Gap Entrance Station** (Mile 31.5) is easily reached via U.S. 211. **Swift Run Gap Entrance Station** (Mile 65.7) is easy to get to via U.S. 33. **Rockfish Gap Entrance Station** is the fourth entrance. It is located in the south (Mile 104.9) and accessible via I-64 and U.S. 250. GPS systems are often unreliable.

Note: To help you find features, facilities and services, concrete mile markers have been placed on the right-hand side of Skyline Drive as you head south. They are numbered from north to south, beginning with Mile 0 at the junction of U.S. 340. For your convenience, "mile" references are included throughout this guide for a variety of services.

ENTRANCE FEES

Shenandoah National Park is one of more than 117 national park sites that charges an entrance fee. Shenandoah National Park entrance pass fees for vehicles are now \$30 and motorcycles are \$25. Individual fees are \$15 per person. All these passes are good for seven days. An annual park pass is \$55. Federal lands passes (see page 8) are accepted as well. There are a variety of passes available. Visit **nps.gov/shen** for more information. Eighty percent of the fees collected are returned to Shenandoah for a variety of projects (see page 22). The other 20% goes to support parks that do not charge an entrance fee.

EVERY KID IN A PARK

To help engage and create our next generation of park visitors, the Every Kid in a Park initiative provides an opportunity for each and every fourth-grade student across the country to experience their federal public lands and waters in person.

All kids in the fourth grade have access to their own Every Kid in a Park pass at **www.everykidinapark.gov**. This pass admits the pass owner and any accompanying passengers in a private non-commercial vehicle to the park.

You can obtain the pass by visiting **everykidinapark.gov** and you must print it and present it at the park. The Every Kid in a Park pass is valid until August 31, 2019.

Oh, Ranger!

FUN FACTS

Q. WHAT IS AN ACTIVITY I DON'T WANT TO MISS?

A. Ranger Programs!

Rangers lead hikes, walks and talks every day during the summer and most days during spring and fall. Joining a Ranger for a special activity is the best way to get to know your park. Stop at a visitor center or look in the visitor guide for a schedule.



For answers to all your questions, go to **OhRanger.com**

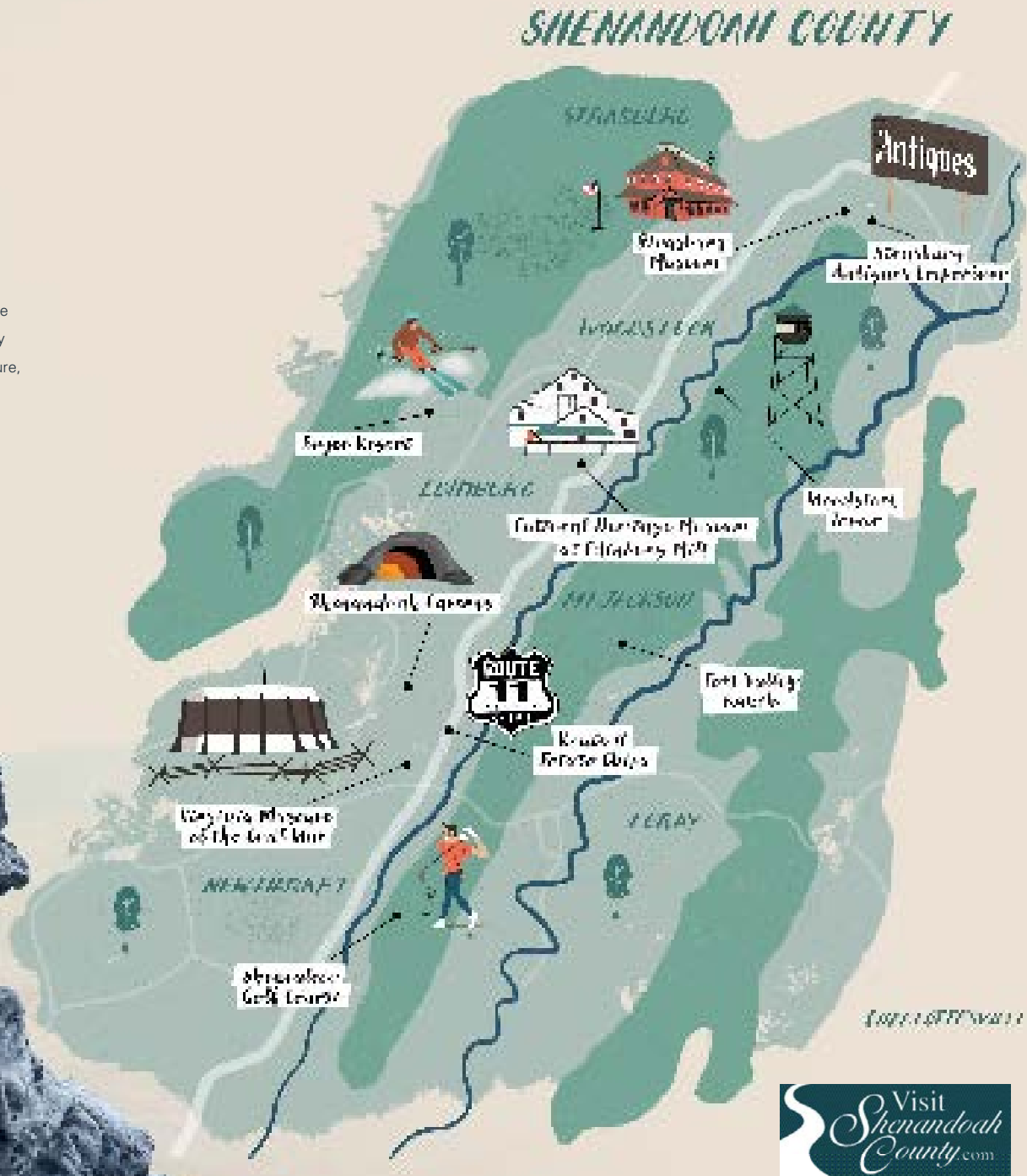
Visit Shenandoah County!

Whatever the season you will love Shenandoah County!

Beautiful mountains, historic towns, locally owned shops and restaurants, award-winning WINeries and craft breweries are all just a short detour off Skyline Drive.

There's so much to do you'll need to extend your trip—whether you visit museums, saddle up and go for a ride, hit the links, slap on your skis, explore caverns, or check out a variety of festivals year-round. Visit friendly towns for a look at small town life, beautiful architecture, and scenic farmland.

Plan your trip at VisitShenandoahCounty.com!



VISITOR CENTERS

There are two visitor information centers in Shenandoah. Dates and times of operation may vary. Refer to the visitor guide, call the park recorded phone messages number at **(540) 999-3500**, or visit nps.gov/shen.

Dickey Ridge Visitor Center (Mile 4.6), is open Friday through Tuesday from 9 a.m. to 5 p.m., early April through November. Built in 1938, and listed on the National Register of Historic Places, the visitor center is a comfortable place to view exhibits and an introductory video.

Harry F. Byrd, Sr. Visitor Center (Mile 51), named for the former Virginia senator, is open Wednesday through Sunday from 9 a.m.-5 p.m., late March through late fall, and Friday, Saturday and Sunday the rest of the year, weather permitting. Exhibits and videos about Shenandoah stories and resources are available.

A mobile visitor center operated out of a colorful Sprinter van is now serving the park's south district. The van is most often parked at Beagle Gap (Mile 99.5), but also visits other nearby areas as well.

Visitors can learn the stories behind the creation of Shenandoah and its evolution into the park we love today through an

interactive exhibit at Byrd Visitor Center. Visit nps.gov/shen to find opening and closing dates.

The large open area across from the visitor center is a rare high-elevation meadow and is certainly worth a visit. Be sure to ask at the visitor center about ranger-led tours of Big Meadows and the surrounding area.

Park information, backcountry permits, Junior Ranger information and souvenir passport stamps are available at both visitor centers in the park. You can also find books, maps, hiking guides and other interpretive materials for sale at these locations.

If you'd like to learn more about the park, there are several publications that delve into its history, geology and wildlife. Many titles are sold at park stores managed by the Shenandoah National Park Association. For specific titles, see the Trail Guide sidebar in the "Sights to See" chapter.

STOP-OFFS

There are several stop-offs along Skyline Drive that sell souvenirs, apparel, groceries and hand-crafted items. To find out more about the locations of the stop-offs and specific mileposts, please see the "Visitor Services" chapter.

PARK REGULATIONS & SAFETY

The following park regulations are intended to enhance your enjoyment of the park. They are designed to protect the park, its wildlife and its visitors. Please remember to practice Leave No Trace principles. Take your trash, and any left by others, out of the park with you and leave the park cleaner than you found it. See the "Preservation" chapter for more information.

FIREARMS

Visit nps.gov/shen/parkmgmt/lawsandpolicies.htm for information about carrying firearms in the park.

FIRES

Wood fires are permitted only in existing fireplaces at campgrounds and established picnic grounds. Do not bring wood into the park. Firewood must be gathered or purchased within the park. Backcountry campers must use camp stoves.

CAMPING

There are four campgrounds in the park. See the "Camping" chapter for more information about using the park's campgrounds. Those interested in a wilderness experience should review the regulations to obtain a permit to backcountry camp.

FISHING

Fishing is allowed in the park, but special regulations exist for certain streams. Virginia residents 16 and over must have a Virginia fishing license. Nonresidents 12 and older must also have a license. Visit dgif.state.va.us/fishing to learn how to obtain a fishing license. See the "Things to Do" chapter for more information. Visit

nps.gov/shen to download a copy of the most recent fishing regulations.

OFF-HIGHWAY VEHICLES

All **motor vehicles and bicycles** must remain on paved areas. No off-road riding of any kind is permitted on trails or fire roads or in grassy, open areas. The maximum park speed limit is 35 mph.

PETS

Pets are permitted in Shenandoah but must be on a leash no more than six feet long at all times. Pets are allowed in all campgrounds and in a number of lodge rooms at Skyland, Big Meadows and Lewis Mountain, but not in public buildings, on conducted walks and hikes or on trails marked with a "No Pets" sign. Check the park visitor guide for a listing of trails closed to pets. In developed areas, visitors must dispose of pet droppings by wrapping them in paper or aluminum foil and discarding them in a trash container. Service animals are allowed in the park, at the concessioner facilities and on all trails. **Note: There are no kennels in the park.**

VANDALISM

Please take only pictures and memories home with you. Do not deface, destroy or remove any flowers, trees, shrubs, rocks or objects. Vandalism is unlawful; violators will be prosecuted to the full extent of the law.

Remember, if everyone picked just one flower, whole meadows of flowers would disappear. An exception to this do-not-pick rule applies only to edible fruits, nuts and berries. Be diligent about picking only what you will eat while visiting the park.



IMPORTANT NUMBERS

Current Park Information	(540) 999-3500	nps.gov/shen
Emergency	(800) 732-0911	
Relay Center/TDD (from VA)	(800) 828-1120	
Voice	(800) 828-1140	
Lodging Reservations (Skyland, Big Meadows, Lewis Mountain Cabins)	(877) 247-9261	goshenandoah.com
Campground Reservations	(877) 444-6777	recreation.gov
Lost & Found	(540) 999-3500	
Shenandoah National Park Association	(540) 999-3582	snpbooks.org



istock

Black bears are common in the park; please store all of your food properly.

WILDLIFE

Feeding, petting or harassing wildlife is prohibited. Animals may seem tame, but they are wild and can injure you. When you feed wildlife, they lose their fear of humans, making them easy prey for poachers and prone to being hit by cars.

NATURAL RESOURCES

Water is a valuable and sometimes scarce resource. Because water levels fluctuate on the mountain, it is important to conserve it. For additional information, please see the "Preservation" chapter.

PERMITS

Free permits are required for **backcountry camping**. They are available during operating hours at visitor centers, entrance stations and at Park Headquarters. Permits are also available online if requested two weeks or more in advance. Visit [nps.gov/shen/planyourvisit/campbc.htm](https://www.nps.gov/shen/planyourvisit/campbc.htm) for more information.

Hang gliding permits are available by mail. To request one, write to Shenandoah National Park, Attn: Hang gliding permits, 3655 U.S. Highway 211 East, Luray, VA 22835. For more information, see the

"Things To Do" chapter. To obtain a permit for weddings, filming, religious services and other special events, contact the park's Management Assistant at the address above.

SAFETY TIPS

Park rangers are on duty at visitor centers, campgrounds and entrance stations. Call **(800) 732-0911** for emergencies only. Rangers also patrol Skyline Drive and maintain offices throughout the park. The following tips can help you enjoy a safe vacation in Shenandoah.

FALLING

Falling is the single most common accident in the park. Always exercise extreme caution around cliff ledges, as well as waterfalls and stream beds where rocks are algae-covered and slippery. And do not throw rocks from cliffs, as this not only displaces natural features, but also can injure others below.

HIKING

Hiking off-trail is unsafe, damages vegetation, causes erosion and creates unsightly paths. If you are having trouble on the trail, ask another hiker to seek help. Always plan ahead and pick a place to meet up, should you become separated from your party.

Be aware of standing dead trees that have perished from disease, insect and storm damage. They can topple at any time, especially on windy days, so exercise care.

Be sure to take plenty of water for everyone in your group, including pets.

TICKS

To reduce your risk of being bitten by ticks, which are active year-round, please stay on trails and avoid venturing into grassy, brushy areas. See the "Walking & Hiking" chapter for more information.

BEARS

Shenandoah is black bear country! Avoid encounters with bears by making noise to warn them of your approach. A loud shout or clap will often scare them away. If you do come upon a bear, do not move abruptly, which may startle him or her. Stay calm and slowly leave the area without turning your back.

Never get out of your car or approach a bear for a better look or for a picture. Be alert. Never camp in an area that has obvious evidence of bear activity, such as digging, tracks or scat.

Keep your gear clean and free of food odor. Do not sleep near your food, garbage or your food preparation area. Campers must store food in their vehicles and backcountry campers must "bear-proof" their food by sealing it. Store any food, toothpaste, makeup, fragrant items and soiled clothes in

a bag. Use a 20-foot rope to hang the bag 10 feet above the ground and four feet from the trunk of the tree.

DRIVING

Observe posted **speed limits** while driving. Watch for turns. Be especially alert for animals crossing the road. The speed limit on Skyline Drive is 35 mph. Please observe it for both your safety and the safety of the animals. Be sure to pull completely off the road to view wildlife.

Protect your property. Lock your car and store **valuables** in the trunk. Visible valuables are easy targets for those tempted to break in.

If you are having **car trouble**, try to report it to another driver, who can advise a park ranger. Do not rely on cell phones, which can have limited reception in the park.

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WHO'S WHO AT THE PARK

NATIONAL PARK SERVICE

The National Park Service (NPS) is the federal custodian of Shenandoah National Park. For more information, contact Shenandoah National Park Headquarters, 3655 U.S. Highway 211 East, Luray, VA 22835; **(540) 999-3500**; nps.gov/shen.

DELAWARE NORTH AT SHENANDOAH NATIONAL PARK

Delaware North is a global leader in hospitality and food service that is grounded in a family ownership. Under the leadership of Jeremy Jacobs and his three sons, Delaware North has become one of the most admired family-owned hospitality management and food service companies. With more than 60,000 associates, it's one of the largest privately owned companies. Delaware North provides lodging, food service, camping and grocery supplies, laundry, shower facilities, horseback rides and gasoline to visitors. For more information, contact Delaware North at Shenandoah National Park, P.O. Box 727, Luray, VA 22835; **(877) 247-9261**; goshenandoah.com.

SHENANDOAH NATIONAL PARK ASSOCIATION

The Shenandoah National Park Association (SNPA) was organized in 1950 as a nonprofit organization to support the interpretive and educational programs of Shenandoah National Park. The association sells maps, pamphlets, field and trail guides, and books about the human and natural history of the Blue Ridge region. Profits are channeled back into Shenandoah National Park primarily through

support of the park's interpretive, educational and resource preservation units. For more information, contact SNPA, 3655 U.S. Highway 211 East, Luray, VA 22835; **(540) 999-3582**; snpbooks.org.

SHENANDOAH NATIONAL PARK TRUST

The Shenandoah National Park Trust was established in 2004 as an official fundraising partner of Shenandoah National Park. Donations to the Trust are put to work directly to help ensure the future of Shenandoah National Park, as well as enrich the experiences of current visitors. The Trust works in concert with the park to support the park's highest priorities. These include natural and cultural resource protection, education and visitor enjoyment. As a nonprofit organization, it relies on donations to fulfill its mission. For more information or to make a donation, contact Shenandoah National Park Trust, Shenandoah National Park Trust, 404 8th St. NE, Suite D, Charlottesville, VA 22902; **(434) 293-2728**; snptrust.org.

POTOMAC APPALACHIAN TRAIL CLUB

The Potomac Appalachian Trail Club (PATC) was founded in 1927 as a volunteer organization to maintain a portion of the Appalachian Trail. The club develops and maintains other trails within the area, as well as historic shelters and cabins on the Appalachian Trail and other trails. It encourages hiking and related outdoor sports, and publishes maps, guidebooks and more. For more information, contact the PATC, 118 Park Street S.E., Vienna, VA 22180; **(703) 242-0315**; patc.net.



VISITOR SERVICES

Park visitors will find conveniently located service facilities along Skyline Drive and at park waysides and other visitor areas. Services include merchandise, food, lodging, gas and a variety of books and maps about Shenandoah National Park.

For information about attractions, restaurants, accommodations and services outside the park, contact: Shenandoah Valley Travel Association, P.O. Box 261, Luray, VA 22835, **(800) 847-4878** or visitshenandoah.org; Warrenton-Fauquier County Visitor Center, 33 North Calhoun Street, Warrenton, VA 20186, **(540) 341-0988**; Virginia Tourism Corporation, **(800) 847-4882** or virginia.org; or the Virginia Economic Development Partnership, 901 East Cary Street, P.O. Box 798, Richmond, VA 23219, **(804) 545-5600**.

ATMS & BANKS

Automated teller machines (ATMs) are available in the Dining Room Building at Skyland (Mile 41.7), at Big Meadows Lodge (Mile 51) and at Big Meadows Wayside (Mile 51.2). Banks are located outside of the park in Luray and other nearby communities.

GAS STATIONS

Only unleaded gas and oil are available at Big Meadows Wayside (Mile 51.2). There are no auto repairs or towing services. There are, however, limited emergency services, which include tire changing, lock opening, jump starts and emergency refueling. The gas station is open spring through fall only, so it's a good idea to fill your tank before entering the park, especially in winter.

Big Meadows Wayside (Mile 51.2) offers to go food and sit down dining, groceries, gas, camping and hiking facilities and an ATM and gift shop. It's open daily from late March to November, from 8:00 a.m. to 8:00 p.m.

There are also two electric vehicle charging stations, one at the Harry F. Byrd, Sr. Visitor Center and one at Skyland.

DIGITAL MEDIA

Cameras, digital memory cards and other supplies are available at both lodging facilities and waysides throughout the park.

GIFT SHOPS

Various gift and craft shops are located throughout the park. They carry hand-crafted jewelry, wood carvings, pottery, quilts and woven items. Many of these wares are produced by the skilled artisans of the Appalachian area. You will also find ecological and environmentally friendly products, including apparel, recycled paper products, cards and home décor.

LOST & FOUND

To retrieve lost items, or to turn in found articles, go to any entrance station or visitor center. If you've already left the park, send inquiries to Shenandoah National Park, Lost & Found, 3655 U.S. Highway 211 East, Luray, VA 22835; or call **(540) 999-3500**.

MEDICAL

The nearest hospitals are located in Front Royal, three miles north of the Front Royal Entrance Station; in Luray, 10 miles

west of the Thornton Gap Entrance Station on U.S. 211; in Fishersville, five miles west of Rockfish Gap; and in Harrisonburg, 20 miles west of Swift Run Gap.

For emergency ambulance service, call 911 or **(800) 732-0911**. Always bring a first aid kit, extra water and food when you go on long hikes.

POST OFFICE

Mail drops are located at the gift shops at Elkwallow, Skyland, Big Meadows, Lewis Mountain and Loft Mountain.

RELIGIOUS SERVICES

In-park services are sometimes offered by private organizations and open to the public. Check at information desks for times and locations. Nearby communities offer religious services.

SHOWERS & LAUNDRY

Delaware North provides wheelchair-accessible, coin-operated showers and laundry near campgrounds at Big Meadows, Lewis Mountain and Loft Mountain.

SPECIAL SERVICES &

There is wheelchair access at Skyland and Big Meadows lodging and dining facilities, the Lewis Mountain Campstore and Cabins, at many comfort stations, and at the concessioner-operated showers at Big Meadows, Lewis Mountain and Loft Mountain campgrounds. Visitors with hearing impairments can see the two park films shown at the Byrd Visitor Center, *The Gift* and *Experience Shenandoah*, with captions. The center also offers several other films about the park.

The **Limberlost Trail** (Mile 43) is fully accessible. The entire trail is a hard-packed, crushed greenstone surface and most

portions meet Americans with Disabilities Act (ADA) guidelines for slope.

Information or assistance may be obtained by calling the Virginia Relay Center at **(800) 828-1120** (TDD) from within the state or **(800) 828-1140** (voice). Or, write to Shenandoah National Park, 3655 U.S. Highway 211 East, Luray, VA 22835.

STORES & SUPPLIES

Souvenirs, crafts, snacks and food service are available at lodges and waysides. Waysides also sell camping supplies and groceries. Gasoline is available at Big Meadows Wayside.

Elkwallow Wayside (Mile 24.1) stocks limited groceries, camping supplies, food, souvenirs and crafts.

Big Meadows Wayside (Mile 51.2) is the place for groceries, camping supplies, gas, snacks, souvenirs and crafts. There are showers and laundry facilities at the Big Meadows campground.

Lewis Mountain Campstore (Mile 57.5) sells souvenirs, crafts, camping supplies and groceries, and also has showers and laundry facilities.

Loft Mountain Wayside (Mile 79.5) is near the campground and has showers and laundry. It sells souvenirs, groceries, locally made crafts and camping supplies.

SHENANDOAH VALLEY'S FIELDS OF GOLD

For a complete guide to the region's local produce, craft beer, vineyards, working farms, orchards and farm to table restaurants, visit the fieldsofgold.org website.

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PRESERVATION

WILDERNESS RENEWAL

In 1976, Congress designated 40 percent of Shenandoah as wilderness, which is defined in **The Wilderness Act** as "an area where the earth and its community of life are untrammelled by man..." Shenandoah is part of a national system of wilderness areas on our public lands that provides refuge for both animals and humans who are drawn to these areas for inspiration, education, solitude and recreation.

Sitting by the edge of a stream or taking in a mountain vista, we begin to feel like integral parts of the natural world. Reconnecting with nature can help us escape the everyday stresses of life; however, even if you never step foot in a wilderness area, you'll still reap the benefits. For example, spring-fed waters flow from Shenandoah into rivers and streams that reach as far as the Chesapeake Bay, the largest estuary in the United States. Keeping this ecosystem healthy provides food, wildlife habitat and recreational access for millions of people in the region.

Shenandoah's wilderness area is an experience as well as a place. While you explore the areas of the park, take notice of your surroundings and reflect on the significance of this "enduring resource."

WATER

Big Meadows is one of the few high-elevation wetlands in Virginia and is home to a diversity of plants and animals that is rarely found elsewhere in the state. Over the last decade, local population growth and other factors have led to increased water consumption—from 6 million

gallons to more than 12 million gallons per year! The increased usage places additional stress on the area's natural resources.

Periods of drought place flora and fauna at risk and we encourage you to follow a few simple practices to help conserve water in the park:

- Take short showers instead of baths.
- Turn off faucets while washing dishes, washing your face and hands, or brushing your teeth.
- Report stuck valves or dripping faucets to a park or concessions employee.

FIRE

Resource managers understand fire is a naturally occurring phenomenon that is essential in maintaining a healthy ecosystem. Pinecones from table mountain pine, for example, need fire to open



NPS staff occasionally employ prescribed burns to maintain the vitality of forests and meadows.

and release seeds that will grow into new trees. The NPS staff occasionally employs prescribed burns to maintain the vitality of forests and meadow areas. Uncontrolled fires, however, pose a threat to preserving Shenandoah's natural and cultural resources. In spring and fall, the park is especially vulnerable to the negative effects of human-caused fires. For more information, see the "Park Regulations & Safety" chapter.

POACHING

Wildlife poaching is a major concern in Shenandoah. The NPS closes portions of Skyline Drive at night during the hunting season to deter poachers from entering the area to hunt illegally. **Hunting is always prohibited in the park.**

AIR QUALITY

Enjoying the scenic beauty of the Shenandoah Valley and the Piedmont region is an integral part of the park visitor experience, and the NPS carefully monitors visibility in the park. Some of the characteristic blue haze is natural as trees release tiny water droplets and other gaseous molecules into the air. Sadly, 70 to 80 percent of the visibility-degrading haze seen in Shenandoah is human caused. Within the last half-century, visibility has decreased by about 50 percent.

Sulfates and nitrogen oxide from power plants and other industries in Virginia and nearby states are carried to Shenandoah on air currents. Congressional legislation requires the air over Shenandoah to be the cleanest possible. To help combat a growing problem, NPS staff monitors the park's air quality.

Acid rain forms when sulfur and nitrogen byproducts in the air combine with

water vapor and return to the earth as acids. The acids may damage sensitive plant foliage and change the chemical balance of streams and soils. If an imbalance occurs, living things may fail to reproduce or even die. Since 1979, park staff have worked with the University of Virginia and other organizations in cooperative studies to detect and measure acid rain and its effect on the ecosystem.

With your help, and under the protection of the National Park Service, Shenandoah's natural beauty will be here for many years to come.



LEAVE NO TRACE

Leave No Trace is a national program that teaches people how to enjoy the outdoors responsibly, and promotes and inspires proper stewardship of America's public lands. Many land management agencies are cooperating partners in this program. You can help minimize impacts to the natural resources and social experiences of other visitors by practicing these seven principles. For more information, please visit LNT.org.

- Plan ahead and prepare.
- Travel and camp on durable surfaces.
- Dispose of waste properly.
- Leave what you find.
- Minimize campfire impacts.
- Respect wildlife.
- Be considerate of other visitors.

Consider applying these principles during your travels. We always need your help in preserving our shared lands for future generations. It is the most important thing you can do for the places you love. Make the commitment to Leave No Trace today. You can make a difference.

YOUR MONEY AT WORK

Unless you already have a pass, you must pay an entrance fee to enter Shenandoah. These fees help preserve the cultural, historical and natural resources of this unique park, and support their ongoing preservation.

The Federal Lands Recreation Enhancement Act allows parks to retain a portion of collected fees for various projects, as permitted by Congress. Shenandoah invests this money in improvements and your fees have been used for many of these enhancements, including:

- A film and exhibit at Dickey Ridge Visitor Center that introduces you to the world of Shenandoah National Park.
- The restoration of Massanutten Lodge at Skyland with exhibits and historic furnishings.
- An extensive exhibit at the Byrd Visitor Center.

- Construction of an ADA-compliant restroom at Byrd Visitor Center.
- The rehabilitation of Comfort Stations (restrooms) at the campgrounds.
- The restoration of President Herbert Hoover's Rapidan Camp, also known as the "summer White House."
- The construction of an ADA-compliant state-of-the-art amphitheater at Skyland.
- Preservation of park archival collections.
- Clearing of decades of vegetative growth along Skyline Drive to reveal vistas of the Shenandoah Valley and the Piedmont Plain.

As a partner in the stewardship of Shenandoah, you are helping to ensure its survival for future generations. With your support, the park can continue to provide many more years of enjoyment. This treasure is invaluable to the region and its people.



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CIVILIAN CONSERVATION CORPS IN SHENANDOAH

Between 1933 and 1942, 10 Civilian Conservation Corps (CCC) camps were established within or on leased land adjacent to Shenandoah. During this time, more than 10,000 young men lived in these camps under the supervision of the Army. They worked on projects directed by the National Park Service and the Bureau of Public Roads. Their activities involved building trails, fire roads and towers, log comfort stations, picnic grounds and construction projects associated with Skyline Drive.

By the end of 1934, the CCC had built a sawmill, shingle mill, blacksmith shop and sign shop to produce materials to construct park buildings. They set up nurseries in Front Royal and Big Meadows to grow the trees and shrubs that would ultimately be used to revegetate areas disturbed by construction.

After the official establishment of the park on December 26, 1935, the CCC expanded its activities across it. They built and landscaped the overlooks along Skyline Drive. They also constructed the stone guardwalls. The “boys” built hundreds of miles of trails and installed much of the infrastructure to ready the park’s facilities for visitors.

These “boys” created the form and fabric of the new park so that future generations could find recreation here. All of their hard work is still enjoyed by visitors today.



In September 2006, at Shenandoah’s annual CCC Reunion, the park dedicated a bronze CCC worker statue at Byrd Visitor Center plaza, Big Meadows (Mile Post 51). The statue was part of a campaign the group started in the 1990s to commission a bronze statue of a CCC worker from the Elliot Gantz Foundry of New York. The group’s goal was to erect a reproduction of the statue in every state to commemorate the Corps’ work throughout the United States. The first statue was erected in 1995 in North Higgins State Park, Roscommon, Michigan. Shenandoah National Park’s bronze statue was the 32nd state commemoration.

The life-size bronze statue is loosely based on the depression-era drawing of “Iron Mike,” a representative, although idealized, young man. Shirtless, dressed in denim field pants and a floppy hat, the enrollee proudly stands with his axe at rest. The statue was made possible by a gift from the Barlow family of Stanley, Virginia, in memory of Russell T. Barlow and Louise P. Barlow. Mr. Barlow was an enrollee at camp NP-2 (Big Meadows) from 1934 to 1936.

Mrs. Barlow was one of three Stanley sisters who married CCC enrollees from the Big Meadows camp.

Visit the park’s website to see an interactive program about the CCC: nps.gov/shen.

NPS



SIGHTS TO SEE

While scholars may debate the specific meaning of “Shenandoah,” they all agree that it has something to do with the land. Ranging from “**Silver Water**” to “**Great Meadows**” and “**River of High Mountains**” to “**Daughter of the Stars**,” these various definitions attest that the land inspired people to name it. Like its original inhabitants, modern visitors are moved by the beauty and diversity of the park’s landscape. Boasting unparalleled natural beauty, the park continues to draw visitors for rest, recreation and rejuvenation.

NATURAL SITES

Bursting with wildflowers and blueberries, **Big Meadows** is the largest area in the park, and it is almost treeless. The

meadow might have been created by tundra-like conditions and later, perpetuated by fire—either naturally by lightning or deliberately by native peoples—to cultivate wild berries and attract game. Grazing deer, elk and bison likely helped keep it open, until settlers started grazing their cattle here. It’s estimated that by 1900, the meadow was 1,000 acres!

Since the establishment of the park in 1935 and the cessation of grazing, the meadow has shrunk considerably, as it is reclaimed by trees and shrubs. To keep a 130-acre part of the meadow open, NPS staff controls woody shrubs, such as elderberry and huckleberry, by burning and mowing, thus allowing grasses and herbaceous plants to grow.

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Climb one of the park’s scenic peaks—like Old Rag—to see its dark hollows and rolling hills.



Built in 1911, Massanutten Lodge is an impressive historical cabin at Skyland.

Acrotetion

Area (Mile 43), **Franklin Cliffs** (Mile 49), **Blackrock** (Mile 51.2) and several spots on **Stony Man Mountain**.

An overview of the park's highlights would be incomplete without mentioning its **waterfalls**, which can be reached on foot and are spectacular in the spring. See the "Walking & Hiking" chapter for a list of some of the trails that lead to waterfalls.

HISTORIC SITES

Shenandoah boasts not only a rich natural history, but also a rich human one. The park traces the lives of the area's many early settlers, and visitors can see artifacts from their habitation at that time.

Reminders of the days of the **mountain residents** can be found in the ruins of houses, barns, animal pens and fruit cellars, some more than a century old. The remnants of some 500 homes and farms are now mostly a handful of still-standing walls, an occasional chimney and more than 100 family cemeteries. There is also evidence of **American Indian** habitation; however, these sites are generally restricted to archeologists who are researching and preserving them.

History buffs will enjoy visiting and exploring **Skyland**, **Massanutten Lodge** and **Rapidan Camp**. The latter was built by President and Mrs. Hoover as their "summer White House." In 1932, the Hoovers donated the 160-acre tract for inclusion in the future park. Rapidan Camp is located at the end of **Mill Prong Trail**. Visitors may hike down from **Milam Gap** (Mile 52.8) or take the van tour from the **Byrd Visitor Center** (Mile 51).

Massanutten Lodge was the home of Addie Nairn Pollock, co-owner of Skyland Resort. The lodge's living room has been

historically refurbished. The lodge also houses an exhibit, *The Women of Skyland*, which documents the lives of several women who frequented the resort in the Roaring Twenties.

Although they came from very different backgrounds, they shared a common need to reach beyond many of the social barriers of the time. The lodge, located in Skyland, is a significant historical site in the park.

The **Fox family homesite** at Fox Hollow can be seen at the end of a short hike from the **Dickey Ridge Visitor Center** (Mile 4.6). A guidebook explaining the site is available at the Dickey Ridge Visitor Center or the trailhead.

A 1.5-mile hike down a steep trail (Mile 37.9) leads to **Corbin Cabin**, which was built in 1909 by George T. Corbin.

Corbin was forced to vacate the land on which the cabin sits in 1938, when the land was incorporated into Shenandoah National Park. The cabin is one of a few buildings preserved during the creation of the park, and still stands despite recent forest fires. The cabin is now maintained by the Potomac Appalachian Trail Club and can be rented by the public. Please visit **patc.net** for more information and to make reservations.

There are more than 100 cemeteries in the park. Some are small plots with only a few markers, while others have as many as 100 gravesites with the remains of multiple families.

Some cemeteries are still in use by descendants of mountain families. Please respect the final resting places of those who settled this land before it was a park.

Share the Experience.

For 65 years, the Shenandoah National Park Association has been sharing the experience of Shenandoah. Stop at a visitor center along scenic Skyline Drive or online to find the best hiking guides, maps, videos, and in-depth stories of the park—you'll find something to enhance your visit. Profits from each purchase support the park.



Bookstore: www.snpbooks.org



THINGS TO DO

THINGS TO DO

No matter which season you visit Shenandoah, there is always something to do or see in the park. Springtime is great for wildflower viewing, while summer's best for camping and other outdoor activities. Autumn brings colorful fall foliage. Snow is not uncommon in the winter, and signs of wildlife abound when the park is blanketed in white. This chapter captures the seasonal highlights within the park.

PROGRAMS & ACTIVITIES

Delaware North sponsors a variety of special activities and programs at Big Meadows and Skyland throughout the season. On most Tuesday evenings, watch local cloggers perform at Skyland. For something a little more subdued, participate in monthly

wine tastings or basket-making workshops at Big Meadows Lodge. Other regular events include Sunday afternoons of 1930s to 1940s music; A Walk for Sunshine presentations by talented speaker and author Jeff Alt; the popular night skies presentations and the new Basic Outdoor Skills programs; craft making and more. Call Delaware North at Shenandoah National Park at (877) 247-9261 or check out the current events on goshenandoah.com.

Shenandoah National Park ranger programs are offered during the spring, summer and fall. Rangers lead a variety of activities, including guided hikes, evening programs, special offerings for children and trips to Rapidan Camp (\$10 per person by reservation, visit recreation.gov for more details), a National Historic Landmark.

Schedules for ranger programs are available at visitor centers and other public contact areas, or online at nps.gov/shen.

BIRDWATCHING

Shenandoah National Park is an excellent location to birdwatch. More than 190 species of resident and transient birds are known to live in or visit the park. Approximately half of these species breed here, including 18 species of warblers. Roughly 30 of the species—including tufted titmice, red-tailed hawks, Carolina chickadees, wild turkeys and barred owls—are year-round residents.

Due to the park's location along the crest of the Blue Ridge and the extent of the forested habitat, Shenandoah provides essential habitat for neotropical migratory birds, both for nesting and as a travel corridor. Certain areas, such as Big Meadows,



BYRD VISITOR CENTER EXHIBIT

Byrd Visitor Center (Mile 51) is a great place to stop for information, films, a park store and exhibits. *Within a Day's Drive of Millions*, a highly interactive exhibit, tells the stories of Shenandoah's establishment and development, including the controversial acquisition of privately owned land, the work of the Civilian Conservation Corps and the little-known story of desegregation in the 1930s and 1940s.

In the exhibit, interactive maps highlight the locations of former homesites. Hundreds of historic photographs and documents take visitors through the decades of the park's past, offering a great way to pay homage to that period.

Visit a model of the Lewis Mountain Camp Store, the center of Shenandoah's historic journey through desegregation. Experience the shift in the nation's environmental ethics during the 1970s and follow its impacts to the present day. Plan your own wilderness experience in Shenandoah National Park through an interactive touchscreen program.

NPS



A visitor checks out an exhibit at Byrd Visitor Center.

As each decade has unfolded, Shenandoah's landscape has changed in reflection of America's values. This exhibit chronicles those changes and involves you in the Shenandoah of the future. Make a stop at Byrd Visitor Center part of your Shenandoah visit!

support species that can be found nowhere else in the park.

KIDS IN PARKS TRACK TRAILS

Kids in Parks has an expanding network of family-friendly outdoor adventures called TRACK Trails. Each TRACK Trail features self-guided brochures and signs that turn any visit into an extraordinary experience. At Shenandoah, the Limerlost TRACK Trail (Mile 43) is a 1.3-mile loop built for visitors of all ages and abilities. This gentle trail winds through sprawling mountain laurel, tall oaks, and feathery ferns. It's home to all sorts of

creatures. Discover many changes and explore the wonders of Limerlost using your senses and imagination.

PICNICKING

Get back to nature and take advantage of one of Shenandoah's **picnic areas**, located at **Dickey Ridge** (Mile 4.6), **Elkwal-low** (Mile 24.1), **Pinnacles** (Mile 36.7), **Big Meadows** (Mile 51.2), **Lewis Mountain** (Mile 57.5), **South River** (Mile 62.8) and **Dundo** (Mile 83.7). Each picnic area features tables, fireplaces, drinking fountains and restrooms. *Note: The picnic area at Dundo has vault toilets only.*

Oh, Ranger! FUN FACTS

Q. WHAT TYPES OF HIKE ARE AVAILABLE IN THE PARK?

A. There are trails for all levels. Some lead to a waterfall or viewpoint, while others penetrate deep into the forest and wilderness. Be sure to take plenty of water, wear appropriate shoes and allow about an hour for each mile. Most hikes to waterfalls are long and strenuous, so be sure to select a hike of the proper level.



For answers to all your questions, go to OhRanger.com



NPS

There is no more authentic way to experience Shenandoah National Park than on horseback, where you'll get an entirely new perspective.

HORSEBACK RIDING

Horseback riding, permitted on designated trails, is a wonderful way to enjoy Shenandoah. You can also sign up to take a guided ride on horses or ponies through wooded trails at Skyland Stables (mile 42.5 on Skyline Drive). For more information, visit goshenandoah.com.

BICYCLING

Bicycling is permitted only on Skyline Drive and on paved roads in developed areas. Bikes are forbidden on backcountry trails and fire roads. Cyclists must comply with all applicable traffic regulations and should stay on the extreme right side of the road. Since Skyline Drive is a two-lane, two-way road-way and does not have bike paths, cyclists must ride single file. When there's fog or limited visibility, cyclists must mount a white light on the front wheel (visible from at least 500 ft) and a red light or red

reflector (visible from at least 200 ft) on the back of the bike.

SWIMMING

Swimming is permitted in all the streams in Shenandoah. Swim at your own risk, but be sure to wear old tennis shoes or water shoes, as the rocks underwater can be sharp and slippery.

HANG GLIDING

Hang gliding and paragliding are authorized with an advanced permit at several locations within Shenandoah. Permits may be obtained by writing to Shenandoah National Park: Shenandoah National Park, Attn: Hang Gliding Permits, 3655 U.S. Highway 211 East, Luray, VA 22835.

FISHING

All streams are open for catch-and-release recreational fishing, approximately

25 of which are open for harvest. The fishing season is year-round for both stream classifications. Anglers must use a single-hooked, artificial lure (with or without barbs). The minimum size limit for trout is nine inches and the maximum creel limit is six fish. Size and creel limits for other game fish species follow Virginia regulations. A Virginia fishing license is required for anyone 16 and older fishing at the park. A license may be purchased at Big Meadows Wayside or local sporting goods stores.

Ethical fishing techniques are critical to sustaining the park's native brook trout populations. For more detailed information, including a list of streams open for harvest, consult the updated *Recreational Fishing* brochure available at entrance stations, visitor centers, campgrounds and the park website. Fishing guides or paid instructors must obtain a commercial use authorization from the park superintendent before entering the park.

WINTER ACTIVITIES

Winter offers opportunities for quiet solitude in Shenandoah National Park. As the leaves fall from the trees and cooler temperatures improve visibility, valleys below and mountains beyond appear more spectacular than ever.

You'll also have a better chance of seeing **woodland animals** like deer, squirrels and turkeys as they forage for food. Foxes and bobcats are active in winter. **Look for tracks** of mice, rabbits and other animals.

Winter snowfall sometimes makes **cross-country skiing** and **snowshoeing** possible on certain hiking trails or fire roads. Visitors must bring their own gear.

Winter in Shenandoah is unpredictable.



BE SAFE THIS WINTER

- Find out current weather and road conditions. Call the park at **(540) 999-3500**.
- Enter the park with a full tank of gas.
- Drive a winterized car with snow tires.
- Obey the 35-mph speed limit. Weather conditions may dictate lower speeds.
- Watch for animals and construction crews on Skyline Drive.
- Dress for temperatures 10–15°F cooler at higher elevations.
- Carry a first-aid kit, snacks, water, maps and extra clothing.

Temperatures are usually cooler in the mountains than in the valley and weather conditions can change quickly. What falls as rain in the valley can turn to ice and snow on the mountain. Winter storms in Shenandoah may leave several inches of snow or ice on the ground.

Be prepared for quick changes in the weather. **Wear warm, layered clothing.** Plan ahead so you don't have to rely on routine ranger patrols (no facilities are open in winter). Enter the park with a full tank of gas, first aid kit, snacks, water and maps. Always share the details of your trip with a friend or family member so that help can be summoned if you don't return as scheduled. For current weather and road conditions, call **(540) 999-3500**.

Note: Most services and facilities are closed from late fall to early spring. Portions of Skyline Drive are periodically closed due to inclement weather and at night during deer hunting season. Byrd Visitor Center is open Friday, Saturday and Sunday in winter, weather and road conditions permitting. Contact the park for hours of operation and more information.



EXPLORING THE AREA

The Shenandoah Valley is full of inviting small towns and bustling downtown districts for you to explore. They offer a diversity of lodging options that will make it easier to extend your stay. Whether you're looking for a history lesson, a distillery tour, boutique shopping or fun family activities, the gateway communities of Shenandoah National Park are worth a visit. To plan your next trip, visit VirginiasShenandoahValley.com.

FRONT ROYAL, VIRGINIA

As the northern gateway to the Shenandoah Valley (and Shenandoah National Park), Front Royal, Virginia is a town built around getting out and exploring. The "canoeing capital of Virginia," Front Royal is home to the **Shenandoah River State Park**, where you can rent a kayak or canoe and take in the region's beauty from the water.

A half-dozen scenic and award-winning golf courses draw amateurs and pros alike to Front Royal, and the downtown has no shortage of delicious eateries, vintage boutiques, and quirky souvenir shops.

Shenandoah National Park has multiple campgrounds, with sites available for both RVs and tent campers. If you're looking for something a little less rustic, there are luxury cabins available for rent in Shenandoah River State Park, and Front Royal boasts some of the quaintest bed and breakfasts on the East Coast.

LURAY, VIRGINIA

The hilly mountain town of Luray dates back to the early 19th century, and stepping onto its charming downtown streets is like stepping back in time. Detailed brick architecture and storefronts are home to modern

boutiques, antique stores, and Victorian and retro-inspired shops and restaurants.

Luray is also home to the most popular and largest system of caverns in the eastern U.S.. **Luray Caverns**, known as "geology's hall of fame," will leave visitors marveling at cathedral-sized rooms, giant stone formations, and countless natural wonders.

GROTTOES, VIRGINIA

In 1804, a man named Bernard Weyer was trying to retrieve a hunting trap from a groundhog hole when he discovered an enormous system of caverns. A tourism economy sprung up around the caves, known as Weyers Cave, **Grottoes of the Shenandoah**, and – more recently – Grand Caverns.

The caverns hold the distinction of being the oldest continually-operational show cave in the United States, and were even visited by both Confederate and Union soldiers during the Civil War (some of their signatures are still visible on the cave walls today).

There's plenty to do in Grottoes above-ground, too. Hike or bike through Grand Caverns Park and Mountain View Park, spend some time at the Grand Caverns swimming pool, or grab your rod and reel and head for the banks of the Shenandoah River.

SHENANDOAH COUNTY, VIRGINIA

Located just west of the park, Shenandoah County comprises a number of picturesque towns along Route 11 as well as a couple nestled in the mountains. This diverse region offers year-round options that will appeal to everyone in your party.

Hit the slopes at Bryce Resort in Mount Jackson on skis during the winter, on a mountain bike in the summer. Visit the his-

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The Luray Singing Tower, in Carillon Park, contains a carillon of 47 bells, regularly scheduled recitals are held, free of charge, throughout the spring, summer and fall.

toric homes and **Shenandoah Valley Cultural Heritage Museum** in Edinburg. Civil War buffs won't want to miss the **Virginia Museum of the Civil War**. Woodstock is Virginia's fourth oldest town and home of the Woodstock Tower overlook of the "seven bends" of the Shenandoah River.

If you have time, follow the **Shenandoah Spirits Trail** that connects the county's wineries, breweries, distilleries and cideries. Along the way you'll find award-winning farm-to-table restaurants to sate your cravings. Or just stop by the **Route 11 Potato Chip** factory to try some gourmet potato chips, lovingly made in small batches.

For more information or to obtain an area visitor guide, please check out visitshenandoahcounty.com.

CHARLOTTESVILLE, VIRGINIA

Just a short drive from the park, Charlottesville's small-town feel and big-city amenities will charm you. On a stroll through the city's historic streets, you'll find local win-

eries, great independent bookstores, and carefully curated galleries. It's home to first-rate museums like the **Virginia Discovery Museum**, where hands-on exhibits and activities will keep kids entertained for hours; a great way to spend a rainy day!

Charlottesville also boasts championship golf courses designed by top architects, and waterways such as Mint Springs, Chris Greene Lake, and Walnut Creek Park, which are open to swimming, canoeing and fishing.

Charlottesville is a draw for history buffs as the historic home of Virginia's most famous son: Thomas Jefferson. His legacy is preserved at Charlottesville's two UNESCO World Heritage Sites—his home, **Monticello**, and the **University of Virginia**, which opened a year before its founding father's death. It took decades to complete the construction of the plantation and its grand house. Tours of Monticello are available, and the gardens and grounds are open to visitors year-round. You'll find more ideas at visitcharlottesville.org.



WALKING & HIKING

Ambling along Shenandoah's trails is one of the best ways to experience the park. Stop by a visitor center for trail recommendations and hiking maps. Day-hiking maps are free at entrance stations and visitor centers and are also downloadable from the park website. Topographical maps are available for sale at visitor centers, gift shops and online at snpbooks.org. When hiking, always stay on trails and pay attention to the concrete posts found at trail intersections. Near the top of the posts are metal bands indicating the trail name, direction and distance. All trails also have blazes, which are marks made on trees with paint. The color of the blaze indicates the following:

White Blaze: Appalachian Trail

Yellow Blaze: Open to hikers and horseback riders

Blue Blaze: Open to hikers only

Red Orange Blaze: Park boundary

Double Blaze: Indicates a sharp turn or change in direction.

Many of Shenandoah's more than 500 miles of hiking trails begin at Skyline Drive. Some trails lead to a waterfall or viewpoint. Others penetrate deep into the forest and wilderness. They descend to a point of interest and then climb back out again. Be sure to take plenty of water, appropriate shoes and allow about an hour for each mile.

As you hike through Shenandoah's forests, notice the thriving birches, maples and white pines. Look for wildflowers, like bluebells and violets in spring and yarrow and wild columbine in summer. Discover ferns and mushrooms and listen for and spot birds in the trees.

Always carry a map, plenty of drinking water and food. To avoid blisters, wear

sturdy, comfortable, broken-in hiking shoes and quality outdoor socks. On longer hikes, bring extra clothing and rain gear (showers are fairly common in the summer). Always pack out any litter, including cigarette butts.

LEAVE NO TRACE

Please practice Leave No Trace principles and guidelines while exploring Shenandoah National Park, especially by keeping to hiking trails with durable surfaces. Leave the trails as you found them, and be considerate of those visitors who will follow you. Review the seven principles of Leave No Trace in the "Preservation" chapter. Whether you are hiking and camping in Shenandoah National Park's wilderness or driving along Skyline Drive for an afternoon, following Leave No Trace principles and guidelines will help protect

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Shenandoah National Park encompasses a 105-mile portion of the Appalachian Trail.

the park and preserve the park experience for you and future generations of visitors.

APPALACHIAN TRAIL

In 1921, conservationist Benton MacKaye proposed an "experiment in regional planning"—the Appalachian Trail. Work began the following year and, by 1937, the trail—2,176 miles in length—reached completion. The first person walked its entire length, from Georgia to Maine, in 1948. Every year, 300 to 400 hikers repeat the feat. Notable hikers have included a six-year-old boy, several octogenarians and a blind man with his service dog. The entire trip takes four to six months to complete.

The trail crosses 14 states, eight national forests, two national parks and 15 major rivers. Elevations range from 6,642 feet at Clingmans Dome in the Great Smoky Mountains to near sea level in the Hudson River Valley. Some of the most impressive sections are found along the 105 miles that traverse Shenandoah National Park. For more information about the Appalachian Trail, visit nps.gov/appa.

TICKS

To prevent ticks from latching on to you, tuck shirts into pants and tuck pants into socks. After hiking, thoroughly wash and inspect yourself. Wear light colors so ticks can be easily seen and use insect repellent. If a tick attaches itself to your skin, remove it with fine-pointed tweezers. Wash the area thoroughly with soap and water. Rarely does part of the tick remain in the skin; if this occurs, seek medical attention.

Lyme and other serious diseases can be transmitted by deer ticks. Cases are documented each year in the park. The best way to prevent disease is to prac-



Another Great Reason to Leash Your Pet

Wildlife and pets can be a dangerous combination. If you choose to bring your pet to Shenandoah, it must be kept on a leash no longer than six feet at all times.

tice frequent tick checks. If you become ill after visiting the park, tell your physician you were in a tick habitat. Some ticks are smaller than a pinhead. Check yourself carefully and be aware of the possibility of a tick-borne illness, even if you haven't found any evidence of ticks.

TRAIL MAPS

Detailed topographic maps are available at visitor information centers, entrance stations, concessioner locations, by mail from the Shenandoah National Park Association, 3655 U.S. Highway 211 East, Luray, VA 22835; (540) 999-3582, and online at snpbooks.org. Free maps for day hikes are available at visitor centers and entrance stations. To plan your trip before arriving at the park, download maps at nps.gov/shen. The park also offers **Backcountry Camping Trip Guides** online.

DAY HIKES

Trail Trailhead	Description	Round-Trip Distance Time	Difficulty Elevation Gain
Riprap Loop Mile 94.1	Outstanding geology, exceptional scenic views, stream crossings, cascade and swimming hole. Hidden gem, not often crowded.	9.8 miles 9 hours	Very strenuous significant elevation
Overall Run Falls Mile 22.2	This long, steep trail is worth walking; it leads to a spectacular view of the tallest falls in the park (93 feet). Valley views. In a dry year, there may be little water.	4.7 miles 5 hours	Strenuous 1,850 feet
Mary's Rock Trail from Meadow Spring Mile 33.5	This winding trail climbs up through the forest to a rock ledge. Spectacular view to the west, as far as the Allegheny Mountains.	2.8 mile 2 hours	Moderate to Difficult
Whiteoak Canyon Mile 42.6	Hike to the first of six falls in Whiteoak Canyon. Crosses the Lamberlost Trail and passes through beautiful forest, gorge.	4.6 miles 4.25 hours	Moderate to Strenuous 1,040 feet
Lamberlost Mile 43	The Lamberlost Trail has a crushed greenstone walkway and a gentle grade. People of all ages come here to see birds, flowers, new tree growth and find a sense of peace.	1.3 miles circuit 1.0 hour	Easy 100 feet
Upper Hawksbill Mountain Summit Mile 46.7	Rocky trail to the summit of the park's highest peak at 4,049 feet, where rare balsam fir and red spruce can be seen.	2.1 miles 2.0 hours	Moderate 520 feet
Dark Hollow Falls Mile 50.7	Excellent view of Dark Hollow Falls. The waterfall is a series of frothing cascades.	1.4 miles 1.5 hours	Moderate/ Steep Return 440 feet
South River Falls Mile 62.8	Fairly steep trail through lush woods with view of the falls. Longer hikes available.	1.6 miles 2.25 hours	Moderate 850 feet
Blackrock Summit Mile 84.8	Outstanding views and rock outcroppings. You'll stay awhile at this mammoth pile of quartzite rocks.	1.0 Mile 1.25 hour	Easy 175 feet

TRAILS WITH DOWNLOADABLE GUIDE BOOKLETS

Fox Hollow Trail Mile 4.6	The trail passes the old homesite of the Fox family, remnants of rock piles and a cemetery. The trail is beautiful, passing through forests and wildflowers. (good for kids)	1.2 miles 1.25 hours	Easy to Moderate 310 feet
Stony Man Trail Mile 41.7	This trail, one of the loveliest in the park, passes ferns, wildflowers, hardwoods and rare red spruce and balsam fir. The westward view, from Stony Man's "forehead," is unforgettable.	1.6 miles 1.5 hours	Easy to Moderate 340 feet
Rapidan Camp Hike Mile 52.4	Take the Appalachian Trail to Mill Prong Trail, follow it downhill to historic Camp Rapidan, President Hoover's rustic getaway.	4 miles roundtrip 3 hours	Moderate 870 feet



CAMPING

Shenandoah's campgrounds offer both first-come, first-served campsites, as well as reservable sites, from spring through late fall (the "peak season"). Family sites (up to six people) and group sites are available, as well as generator-free sites. Reservations may be made up to six months in advance by visiting [recreation.gov](https://www.recreation.gov) or by calling (877) 444-6777. All campgrounds have a 30-night limit, except Big Meadows, which has a 14-night limit during the peak season. All campgrounds allow pets, but they must be leashed at all times. There are no hookups. Opening and closing dates vary each year. For specific dates, visit [nps.gov/shen/planyourvisit](https://www.nps.gov/shen/planyourvisit). Rates are subject to change.

Mathews Arm (Mile 22.2) Rate is \$15 per night. There are 166 sites, flush toilets and a dump station. No showers or laundry facilities are available. Find camping supplies at nearby Elkwallow Wayside.

Big Meadows (Mile 51.2) All sites are \$20 per night during peak season and \$17 per night during the off season. Big Meadows has 221 sites, flush toilets, coin showers, coin laundry, a dump station and a camp store.

Lewis Mountain (Mile 57.5) All sites are \$15 per night. This campground, the smallest in the park, has 31 sites, flush toilets, coin showers, coin laundry and a camp store.

Loft Mountain (Mile 79.5) Rate is \$15 per night. The largest campground in the park has 202 sites, flush toilets, coin showers, coin laundry, a dump station and a camp store. The group campsite formerly located here has been moved to Dundo Picnic Grounds. There are three sites available from \$35–\$50 a night, accommodating seven–25 people.

**For additional RV information, visit [gocampingamerica.com](https://www.gocampingamerica.com).*



INVASIVE SPECIES: THE EMERALD ASH BORER

Visitors may not bring outside firewood into Shenandoah National Park unless it is USDA-certified kiln dried. The Emerald Ash Borer, a non-native beetle from Asia discovered in the U.S. in 2002, feeds on ash trees and causes devastating results. Ash trees are a significant component of the park. This destructive beetle has already been found in the park and could kill millions of ash trees. You can help to minimize the chance of transporting this beetle into the park by purchasing firewood from within the park only. You may also gather dead and down wood inside the park, or bring your own charcoal if you are planning to cook.

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Help prevent Emerald Ash Borer infestation by gathering wood from inside the park.



HISTORY & CULTURE

FORMATION OF THE SHENANDOAH REGION

The geologic story of Shenandoah National Park began over 1 billion years ago. Molten magma, miles beneath the earth's surface, slowly solidified to become the "basement rock," or core, of what we know today as the Blue Ridge Mountains. For the next 500 million years, erosion and the uplifting of the earth's crust exposed the granitic basement rock. You can see the granite component of this rock in Old Rag Mountain and its surroundings.

Over millions of years, the uplift of the earth's crust formed deep cracks in the granite, which led to volcanic activity. For centuries, molten basaltic lava burst forth and poured over the land, forming a smooth, flat plain called the "**Catoctin Formation.**" (The bedrock underlying Big Meadows was formed by at least 12 of these lava flows, which collectively are approximately 1,800-feet thick.) The cooling and contraction of the lava produced a network of polygonal cracks, or columnar jointing. Please see the "Sights To See" chapter for more information.

THE APPALACHIAN MOUNTAINS

When **continental drift** (the separation of the Americas from the continents of Europe and Africa) began about 600 million years ago, it formed a broad, shallow depression from Alabama to Newfoundland. For 300 million years, an ancient sea flooded the area that is now the Appalachian Mountains. Layers of water-borne sediments accumulated on the ocean floor, followed by limestone sediments composed of fossilized marine animals and shells. The weight and resultant heat caused by the sediments

eventually compressed the two layers into metamorphic rock.

As a result of the eons-old shifting of the earth's **tectonic (or crustal) plates**, North America and Africa collided. This re-elevated and fractured the sea floor, causing the older, underlying layer of metamorphic rock to tilt upward and slide over the younger layer, creating the towering mountain range that we call the Appalachians.

The powerful forces of wind, water and frost have worn away the Appalachians for nearly 250 million years. These forces continue to create and refine the spectacular scenery of Shenandoah National Park. Water runoff, as demonstrated by the "500-year" rainstorm of June 1995, has carved the mountains' distinctive alternating pattern of ridges and valleys. As you explore the park, look for signs of its geologic history and how wind, water, frost and ice continue to sculpt the land.

HUMAN HISTORY

The post-Ice Age people who knew these lands were hunters and gatherers. They were nomads who moved with the seasons, picking nuts and berries and hunting caribou, elk and musk ox with spears and clubs. They had no permanent villages in the area that is now Shenandoah National Park, but stayed in encampments for short periods of time.

Among the many native tribes living in and around the park area were the **Monacans** and the **Manahoacs**, who lived in the region just east of the Blue Ridge Mountains. These were the tribes that explorer **John Lederer**, a German physician and scholar, encountered on his journey to the Blue Ridge Mountains in 1669.

All photos courtesy of NPS



Clockwise from top: Visitors try out Skyline Drive at its opening on Oct. 23, 1932; President Roosevelt visits the CCC camp in 1933; a CCC work crew aboard NPS truck gets ready to head out for the day; Herbert and Lou Henry Hoover sit on porch at Rapidan Camp; the first car on Skyline Drive pays at the North Entrance.

Around 1650, the tribes began suffering from new diseases, including smallpox, measles and tuberculosis, introduced by French and Dutch fur traders and early Tidewater pioneers. It is estimated that 2,000 Monacans and Manahoacs lived in the region, but by 1730 most of them had died or moved away.

It is possible that Lederer was not the first European explorer to visit the Blue Ridge Mountains. **Captain John Smith** explored the Rappahannock River in 1608 and may have reached what is now Shenandoah National Park, but Lederer was the first to leave a written account of his journey. With the help of native guides, Lederer reached the crest of the mountains on March 18, 1669, and then spent six days hiking through the snow, "hoping to find some passage through the Mountains." He described steep slopes, thick brambles and a forest teeming with wild game.

EUROPEAN SETTLEMENTS

In 1716, **Governor Alexander Spotswood** led a well-supplied party of 63 men from Germanna, near present-day Fredericksburg, Virginia, across the mountains to the Shenandoah River and back. Spotswood was eager to encourage settlement in the area before the French arrived to begin their own settlements. He initiated a generous land grant program that exempted settlers from taxes and attracted thousands into the area. Germans from Pennsylvania, as well as the English and Scotch-Irish from Virginia's Tidewater region, began settling in the Shenandoah Valley.

USING THE LAND

The settlers moved into a forest rich with chestnut trees and wild game. By 1790, there were about 67,000 people in the area,

most of whom lived in the lower Shenandoah Valley. By 1800, many small industries—such as tanneries and cider presses—were established. Mills, fueled by the resources of the area's mountains, provided work and markets for goods. Absentee landlords and corporations that had been formed to extract mineral deposits and timber impacted the natural resources. Bison, elk and wolves were extirpated and deer, bear and turkey became rare.

The demands on the land began to take a toll. During the late 19th century and the beginning of the 20th, the fortunes of the people of the Blue Ridge steadily declined.

Chestnut blight arrived in 1904, carried into the United States by imported Chinese chestnut trees. With the death of the chestnut in much of the east over the next 30 years, a prime source of income rapidly vanished. About half the people had moved off the Blue Ridge by 1925, just as plans began to establish a national park here. Severe drought and a widespread epidemic of hog cholera furthered the economic plight of a rural population, moving into the Great Depression.

THE CIVILIAN CONSERVATION CORPS

In 1933, more than two years before the park was formally established, two **Civilian Conservation Corps (CCC)** camps were set up to help build visitor amenities. The CCC was one of the public works programs that Roosevelt created within months of taking office. In 1933, the first two CCC camps located in national parks were established at Skyland and Big Meadows. Congress took advantage of the future park's proximity to Washington, D.C., and used it to demonstrate Roosevelt's Depression cures. In August 1933, the president took a highly publicized whirlwind tour through

Shenandoah's camps to bolster public confidence in his **"New Deal."**

SKYLINE DRIVE

The construction of Skyline Drive started on July 18, 1931, before the park was established. It was initiated as a drought-relief measure by President Herbert Hoover who had a fishing camp in the area. The road was first built by contractors who hired local farmers who needed work away from the farm because of crop failures. In 1934, part of Skyline Drive opened temporarily to eager and curious visitors.

The road was essentially finished on August 29, 1939, during the Roosevelt administration. Most of the picnic grounds, comfort stations, overlooks and landscaping were built by the CCC. The cost of building this roadway was approximately \$5 million at the time.

SHENANDOAH TODAY

In the intervening decades, the forest grew and wildlife began to proliferate. After more than 8,000 years of human use, Shenandoah was returned to its more natural state and has become one of the most beautiful areas in the National Park System. In September 1997, Skyline Drive Historic District was listed in the National Register of Historic Places. More than 300 buildings and structures along Skyline Drive are listed in the Register as representative of the "best of the 1930s."

In 2008, Skyline Drive was designated a National Historic Landmark. It also has the distinction of being one of the most popular scenic byways in the country. With your assistance, the NPS can protect and preserve the cultural and natural resources of the park.



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LODGING & DINING

Shenandoah invites visitors to enjoy an array of lodging and dining options. From the comfortable accommodations at Skyland to the trailside huts along the Appalachian Trail, there is a place for all tastes.

Skyland and Big Meadows Lodge hold events throughout the season, including Virginia wine tastings, culinary events, night sky programs and twilight hikes.

In addition, the 19th annual **Apple Butter Celebration** on September 14, 2019 is held at Skyland from 11 a.m. to 5 p.m. The event features live entertainment, themed food, activities for kids, wine tasting for adults, and crafters and artisans. National Park Rangers and NPS partners also attend, on hand to answer any questions about Shenandoah and their respective roles in contributing to the national park experience. Mark your calendars!

There are numerous other activities at the park to choose from, too. Among them are **wine-whiskey shuttle** and **basket making workshops**. And, whether you are a novice or a veteran, anyone with a sense of adventure would probably enjoy the rock climbing/rappelling programs and guided hikes led by the Shenandoah mountain guides.

For a full event schedule and to make lodging reservations, call **(877) 247-9261** or visit **goshenandoah.com**. All Delaware North facilities accept American Express, MasterCard, VISA and Discover. All public areas and lodging accommodations are smoke-free environments.

In 2016 and continuing into 2018, all of the 285 rooms throughout each lodge received upgrades, including new mat-

tresses and soft goods. Limited Wi-Fi is available in the public areas at Skyland and Big Meadows. The dining rooms in Skyland and Big Meadows were refurbished as well. Chefs at all of the restaurants in the park worked on updating the menus incorporating ingredients sourced from local farms and suppliers.

Skyland (Mile 41.7) offers accommodations with the ambiance of the past century reflected in its rustic cabins. There are 178 guest rooms, some of which have limited accessibility for those with disabilities. There is a grab-and-go food counter, a gift shop, ranger programs, horseback-riding, wine-tasting and culinary events. There are TVs in the preferred and premium rooms, and some traditional rooms. Skyland is a pet-friendly facility that is open early April to late November.

The Skyland dining room serves fried chicken, pan-seared trout, roasted turkey, as well as other regional dishes and their signature blackberry ice cream pie.

Big Meadows Lodge  (Mile 51) is named for the large meadow near the resort. There are 27 rooms in the historic lodge and 72 rooms in both rustic cabins and traditional-style buildings, some with suites and some with TVs. Big Meadows is a pet-friendly facility. Ranger programs are available at nearby Byrd Visitor Center and vehicle fuel is available at Big Meadows Wayside. There is also entertainment on some nights. Opens mid-May. Like the Skyland dining room , Big Meadows offers regional dishes, such as fried chicken, trout, ribs and blackberry ice cream pie.

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Big Meadows Lodge offers rooms in the historic lodge, rustic cabins and traditional buildings.

Lewis Mountain Cabins  (Mile 57.5) welcome you with furnished bedrooms, but no refrigeration. Guests must bring their own cooking utensils and cooler for food. Units have private baths, lights, heat, towels and linen and there is a camp store that sells basic food items. Lewis is a pet-friendly facility. The cabins are open from mid-March through late November.

Eight **trailside huts** along the Appalachian Trail at intervals of eight to 14 miles are open to long-distance hikers who possess a valid backcountry camping permit for three or more nights. These huts are operated by the Potomac Appalachian Trail Club (PATC). They are located at **Gravel Springs** (Mile 17.6), **Pass Mountain** (Mile 31.6), **Byrds Nest #3** (Mile 33.9), **Rock Spring** (Mile 48.1), **Bearfence** (Mile 56.8), **Hightop** (Mile 68.6), **Pinefield** (Mile 75.2) and **Blackrock** (Mile 87.2)

The PATC operates six fully enclosed

backcountry cabins in the backcountry. Each cabin has a table and fireplace, bunks for eight to 12 people, a nearby spring and a pit toilet. The cabins are located at **Range View** (Mile 22.1), **Corbin** (Mile 37.9), **Rock Spring** (Mile 48.1), **Pocosin** (Mile 59.5), **Doyles River** (Mile 81.1) and **Jones Mountain**. These cabins are kept locked, so you must obtain a key from PATC by mail prior to your visit. Reservations can be made by contacting PATC, 118 Park Street SE, Vienna, VA 22180; **(703) 242-0315** or **patc.net**.

Waysides  along Skyline Drive feature lunch counters, snack bars, stores and souvenirs. **Elkwallow Wayside** (Mile 24.1) is open early April to early November. **Big Meadows Wayside** (Mile 51.2) is open late March through mid-November and includes to go food and sit-down dining. **Loft Mountain Wayside** (Mile 79.5) is open mid-April to early November.



NATURE & WILDLIFE

NATURE & WILDLIFE 

Shenandoah boasts more species of plants than all the countries of Europe combined! Over the past seven decades, Shenandoah has seen the return of many trees, flowers and animals native to the area. As the earth reclaims what had been temporarily fashioned into farmland, the forest gains an ever-increasing foothold.

A wildlife and plant observation log is kept at the Byrd Visitor Center desk. We encourage you to add your sightings to the list.

FLOWERS

There are more than 1,100 species of flowering plants in Shenandoah, including 18 varieties of **orchids**. The march of flowers begins with the arrival of spring, when longer days and warmer temperatures breed bloodroot and hepatica. In April, the trillium, dogwood and violets bloom, while birds court and build

nest. May brings azaleas, golden ragwort, violets and marsh marigold. From June to August, there is a vivid succession of **black-eyed Susans**, **delicate Queen Anne's lace**, **asters**, **mountain laurel** and **evening primrose**. Changing colors of the leaves in the fall compete with **asters**, **harebell** and **goldenrod**.

Butterfly weed (*Asclepias tuberosa*) is a native plant species that stands from one to three feet in height. With clusters of orange flowers on the top, it is great subject matter for photography. The plant often grows along Skyline Drive. Other native plants that can be found in the park include the following:

Harebell (*Campanula rotundifolia*) is a blue, bell-like flower that blooms in the latter half of the summer. It grows in dry grasslands, on cliffs and in shallow soil.

Bloodroot (*Sanguinaria canadensis*) gets its name from the red sap contained in the stout rhizomes (root-like stalks).

Marsh marigold (*Caltha palustris*) is also known as cowslip. This showy yellow flower grows in masses in slow, seepy areas in the spring.

TREES

Shenandoah nurtures about 100 species of trees, 47 species of ferns and mosses, and hundreds of different fungi. This region was once dominated by the American chestnut and a variety of oak trees. Today, oak and hickory are dominant in the park.

The **black locust** is generally the first tree to grow in fields and meadows. **Pitch pine**, **Virginia pine** and **scrub oak** dot the dry slopes of the southern section of the park, while cove hardwoods such

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Clockwise from top left: Black-throated blue warblers arrive at the park in spring; native brook trout populate park streams; a migrating monarch butterfly stops in Shenandoah on its way to Mexico.

as **red oak**, **ash** and **basswood** flourish along the streams.

The **American chestnut** (*Castanea dentata*) accounted for about a quarter of all the trees in Shenandoah when Europeans first arrived here. It was a valuable, fast-growing tree, with an average height of about 80 feet, and a trunk with a diameter of three to four feet. Durable and straight-grained, its wood was popular for constructing homes and its nuts were eaten by squirrels, turkey and people.

By 1904, a **fungus**, *Endothia parasitica*, found its way to the United States. Quickly spread by insects and wind, it entered the bark of the tree, caused reddening and splitting, and ultimately death. This chestnut blight affected the entire range of chestnuts in America, and by the early 1930s, the trees were almost extinct. Remains of this once-beautiful tree can be found in the park today. Sprouts grow from old stumps to even produce a few chestnuts before succumbing to the blight.

Oh, Ranger! FUN FACTS

Q. WHEN WILL THE FALL LEAVES IN THE PARK PEAK IN COLOR?

A. The peak season for fall colors is usually mid-to-late October; however, it is dependent on the weather. The fall colors start at the higher altitudes and move down the mountain to the lower elevations over time.



For answers to all your questions, go to **OhRanger.com**



WATCHABLE WILDLIFE



1 BLACK BEAR (*Ursus americanus*)

Bears like to feed on juicy plant parts, insect larvae, fruits, nuts, acorns and occasionally meat. To survive the scarcity of food in winter, bears cut their metabolic rates in half. They don't usually hibernate but do sleep a lot. • **Weight** 200–585 lbs • **Length** 4.5–6.5 ft • **Less active** in winter.

2 BOBCAT (*Lynx rufus*)

Bobcats usually avoid humans, so seeing one is a rare treat. Remaining active during the day, bobcats normally prey on smaller animals, such as rabbits and mice. In spring, bobcats give birth to between one and seven kittens. • **Weight** 10–25 lbs • **Length** 3.5 ft (including tail) • **Active** year-round.

3 GROUNDHOG (*Marmota monax*)

Also known as a woodchuck, the groundhog's short, powerful limbs and curved, thick claws are well adapted for digging. They live in burrows with two to five entrances, which are their primary means of escape from predators. Herbivorous, groundhogs primarily eat wild grasses. • **Weight** 5–8.5 lbs • **Size** 1.5–2.5 ft • **Inactive** in winter.

4 RACCOON (*Procyon lotor*)

Raccoons are highly intelligent, adaptable animals. They are nocturnal and generally seen in the early morning or late evening in wooded areas. Raccoons are omnivorous, feeding primarily on small mammals, fruits, nuts, fish and insects. • **Weight** 10–30 lbs • **Length** 2–3 ft • **Active** year-round.

5 TURKEY VULTURE (*Cathartes aura*)

Of all the birds soaring in the air, the most impressive may be the turkey vulture. These scavengers are most often found foraging for carrion above open country, especially within a few miles of the rocky or wooded areas that they use for nesting. • **Weight** 3.5–5 lbs • **Length** 24–28 in • **Wingspan** 6 ft • **Active** year-round.

6 WHITE-TAILED DEER (*Odocoileus virginianus*)

White-tailed deer are commonly seen along Skyline Drive grazing on green plants and woody vegetation. Their four-part stomach allows them to consume food that other mammals cannot. Deer can be active at any time of the night or day. • **Weight** 90–310 lbs • **Length** 6–7 ft • **Active** year-round.



SEASONAL CALENDAR



1 SPRING Spring is the time for blooming wildflowers and migrating birds. Look for hepatica, bloodroot, blue-eyed grass, golden ragwort and trillium in the woodlands during April and May. Pink azaleas usually bloom in mid-May to early June, while mountain laurel blossoms mid- to late June in the park's higher elevations. The peak of the bird migration is in late April and early May, when birds come to nest and breed in the Blue Ridge Mountains. When **Canada warblers, scarlet tanagers, wood thrushes and black-throated blue warblers** arrive, they fill the forests with trilling and songs. Butterflies you may see in the spring include the spring azure and the eastern tiger swallowtail.

2 SUMMER Summer is a busy time in Shenandoah, as plants, flowers and animals raise their young. The blossoms of fairy candles are seen in the forest in July, and Turk's cap lilies and evening primroses bloom in open areas. In August, false foxgloves are found in groves of oak trees. Look for black-eyed Susans as well. By July, the fledglings must learn to fly and leave the nest. You'll see **chestnut-sided warblers, indigo buntings, phoebes, gray catbirds and goldfinches** nesting here. Butterflies include the monarch and the great spangled fritillary.

3 FALL Goldenrod is a harbinger of autumn, when leaves turn and the migratory birds fly south. **White snakeroots, asters, gentians and goldenrod** bloom as the colorful fall display of leaves begins in late September and reaches its peak in mid- to late October. **Migratory birds** travel south to their winter nesting grounds in the southern United States, Mexico, the Caribbean, Central America and South America. For protection from predatory birds, songbirds fly in groups at night. They then rest and forage during the day. Hawks migrate by day; their peak migration through the park is in mid-September.

4 WINTER Winter in Shenandoah is cold and quiet as life slows down, but as you explore the park you will find that it is full of life. It is important to keep your eyes and ears open for signs of animals. You may hear the hoot of the owl, the caw of the raven or the gobble of the **wild turkey**, all of which are year-round residents of the park. The **chickadee, downy woodpecker, titmouse** and other small birds flock together during winter to forage and for protection. Some northern birds, such as the **white-throated sparrow, hermit thrush and purple finch**, also winter in the park. Animals? Look for tracks in the snow from turkeys, deer and bobcats. Against the white snow, it is sometimes actually easier to spot wildlife.



PHOTOGRAPHY

For millennia, we've looked towards the heavens and contemplated what's beyond our orbit and universe. More recently, stargazing has become increasingly difficult for millions of people living in developed areas. If you live in a populated area east of the Mississippi or along the Pacific coast, odds are that you can count the number of stars you see on your hands. National and state parks—remote and minimally developed—not only protect our land, but also our dark skies which are ideal for astrophotography.

There are two primary types of astrophotography shots that yield different, but stellar compositions. A long exposure setting will show stars trailing across the sky, while a shorter exposure will show pinpoints of light—objects that a camera can capture that the unaided eye cannot. Both require a camera with interchangeable lenses and manual controls to set aperture, ISO, and exposure settings. Here's what you'll need to start:

- **A sturdy tripod:** Simply put, a shaky tripod will yield blurry photos.
- **A cable release or remote control or intervalometer:** You'll want to avoid touching your camera to minimize shake. The addition of an intervalometer will allow you to take sequential long exposures.
- **Batteries:** Your aperture may be open for several hours, so it's important to have multiple fresh and fully charged batteries.
- **A wide lens:** Use the fastest, widest lens available.
- **A head lamp:** It'll be useful to set up your equipment and illuminate your foreground.

Check the cloud cover; if there's too much wait until you have a clearer night. Before you start, set your focus to infinity and turn off your autofocus and high ISO noise reduc-

tion. Next, set your white balance to daylight settings (5500k) and turn on your mirror lock to avoid mirror shake. Wait until the moon is out, too, as it'll illuminate and add detail to your foreground. Make sure that it's behind you. To capture star trails:

- Set your ISO at 200 to reduce digital noise.
- Compose your image, making sure you have interesting features in the foreground.
- Choose your focal length. The longer the focal length, the quicker your star trails will start to form.
- Set your camera to manual mode so that you can select your shutter speed and aperture.
- Set your aperture between f/2.8 and f/4 for best results.
- Select "bulb mode" as your shutter speed.
- Use your cable release or remote to open the shutter or set your timer for two to four minutes.

Check your results. If your picture is too dark, increase the exposure time. If your trails are too short, increase the exposure time. Keep playing around with your settings to get the results you desire. To learn how to take photos of the milky way and millions of points of light, visit ohranger.com/brightskies.

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Photographing the night sky is as close as many of us will get to exploring space.



Discover Moab in the Off-Season

With unmatched solitude, spectacular views, and discounted rates, the off-season in Moab is fast becoming one of the most rewarding times to visit. Enjoy year-round access to Arches and Canyonlands National Parks, Dead Horse Point State Park and thousands of square miles of spectacular red rock scenery. No matter what time of year you visit, Moab's warmth and hospitality will shine through.


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435-259-8825 or visit
discovermoab.com





JUST FOR KIDS

EARTHCACHING

The EarthCache program combines exploring selected trails and learning about the history and geology of the park. It is an educational experience that combines modern technology using GPS with an outdoor adventure.

This family-friendly activity is fun for all ages and skill levels. EarthCaching is a “virtual” hunt that contains no physical hidden container or cache. EarthCaching is a hunt for the Earth’s natural and geological features as the “treasure.” Instead of leaving or removing anything, EarthCachers document observations, answer questions and then report findings on the EarthCache website.

BECOME A JUNIOR, EXPLORER RANGE OR WEBRANGER

Pick up a complimentary *Junior Ranger Explorer Notebook* (ages 7–12) at any

visitor center or gift shop, complete the activities inside, and earn a Junior Ranger patch or badge. Check at a visitor center for Junior Ranger Program schedules and locations. Explorer Ranger Activity books (ages 13 and up) are also available for free at visitor centers on a first-come, first-served basis. There are free downloads of all activities at nps.gov/shen/learn/kidsyouth/index.htm.

WebRanger teaches you how to care for your national parks and the world around you. Visit nps.gov/webangers and take the WebRanger pledge. Print and sign your WebRanger membership card. Finish the activities in a “ranger station” for an award.

A FAMILY AFFAIR

Ranger-led programs are ideal for families to learn about the park together. Walks, talks and evening programs are offered spring through fall.



Take a ranger-led program to get an insider's view of Shenandoah.

NPS



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CHEROKEE
north carolina



IF YOU ONLY HAVE A DAY

Driving Skyline Drive is the perfect way to acquaint yourself with Shenandoah. The road curves along the entire length of the park and mileposts help locate park facilities, services and areas of interest.

DRIVE FOR A WHILE

Driving from one of the four entrances to the next exit takes about an hour. At most developed areas along Skyline Drive are interpretive signs and bulletin boards with information. Several trails are easily reachable from Skyline Drive. See the "Walking & Hiking" chapter for more information.

SCENIC OVERLOOKS

There are 75 scenic overlooks along Skyline Drive. One of the northernmost ones, **Signal Knob Overlook** (Mile 5.7), is a must-stop for history buffs. Signal Knob rises on Massanutten Mountain

across the Shenandoah River, showing even today why it was an important Civil War site used by the Confederate troops to relay signals.

Range View Overlook (Mile 17.1), at 2,800 feet, is reputed to be the best view of the northern section of the park, as well as of the Massanutten and Allegheny mountains. Driving at dawn, stop at **South River Overlook** (Mile 62.7) to savor the sunrise at this 3,000-foot elevation.

The historic **Big Meadows Lodge** (Mile 51) is also worth a stop. Take time to explore the property or enjoy a meal in the rustic setting of the lodge's dining room.

RANGER-LED TOURS

You might also want to join one of the park's many **ranger programs, hikes, walks or talks**. Topics include history, animals, tours of historic park structures and hikes along the Appalachian Trail.



Shenandoah is best known for Skyline Drive but it's also home to dozens of stunning waterfalls.

Wildness
reminds us
what it means to be
HUMAN,
what we are
CONNECTED TO
rather than what
WE ARE SEPARATED FROM."
terry tempest williams



NATURE VALLEY.

HAVE SOME
FAMILY FUN

CLIMB A MOUNTAIN

SLEEP UNDER THE STARS

RECHARGE

EAT A NATURE VALLEY BAR

RUN A RIVER

CAST A LINE

FIND YOUR
HAPPY PLACE

HIT THE TRAIL

REFRESH

REFLECT

TAKE A HIKE WHERE THE WIFI IS WEAK!

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