

Spring Break 2015





























































































SCHOOLHOUSE GAP TRAIL  
Turkeypen Ridge Trail 1.1  
Chestnut Top Trail 2.0  
Schoolhouse Gap 2.2

**SPECIAL ALERT**

SCOTT MOUNTAIN TRAIL is  
CLOSED - From Campsite 6 to  
Schoolhouse Gap.

SCOTT MOUNTAIN TRAIL is OPEN  
from Indian Grave/Crooked Arm to  
Campsite 6.

Campsite 6 is OPEN.

Do not put yourself or others at risk by  
ignoring this closure.

Please check with the Backcountry  
Office at 865.436.1297 for more  
information on this closure.



































































## **ABRAMS FALLS TRAIL**

**Abrams Falls 2.5**

**Moderately difficult 3-4 hour hike**

**No restrooms or drinking water**

**Pack out your litter**


**NO PETS NO BICYCLES**



more than 100 feet across.

**DUE TO STRONG CURRENTS AND UNDERTOW, SWIMMING AT THE BASE OF THE FALLS IS EXTREMELY DANGEROUS. SWIMMERS HAVE DROWNED. DON'T BE THE NEXT VICTIM!**

Please remember **NO PETS** on the trail and take out what you bring in!



**Heatstroke dangers.**

Heat levels can rise rapidly after thunderstorms dumping rain for hours. Hypothermia can kill your strength and muscle coordination followed by mental confusion and irrational behavior.

**Do Not Climb on Rocks**  
Over the years, several fatalities and numerous injuries have resulted from people climbing on rocks near waterfalls. These rocks are slippery due to mist and algae.

Medical assistance for persons injured may be many hours away. Carry a first aid kit at all times.

**Do not climb on rocks near waterfalls.** The extreme caution when walking along greenbanks.

**What Do I Do if I Fall in?**  
If you find yourself accidentally swimming in fast moving water, do not try to stand. Relax, downstream is your friend. A log or rock caught in an underwater rock ledge or between boulders. The force of the water will push you over and hold you under.

The standard defensive swimming position in fast water is lying on your back with your feet pointing downstream and toes up towards the surface. Always look downstream and be prepared to fend off rocks with your feet.

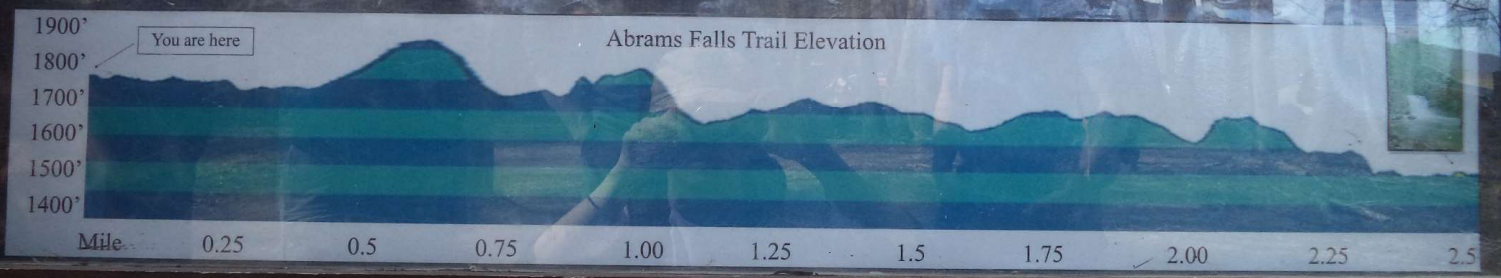
**Wildlife**  
Feeding, carrying, dumping, high rising or intentionally directing any wildlife is illegal. The regulations in state or national laws and orders may be found.

**Fuel Storage**  
All fuel and equipment required for the program and any food, fuel, gas, propane, etc. must be kept in a secure container. Fuel must be stored in a secure container. Fuel must be stored in a secure container.

**Backcountry Camping**  
Permits are required for backcountry camping. Backcountry is available at various locations and visitor centers.

**Plants**  
Feeding, carrying, dumping, high rising or intentionally directing any wildlife is illegal. The regulations in state or national laws and orders may be found.

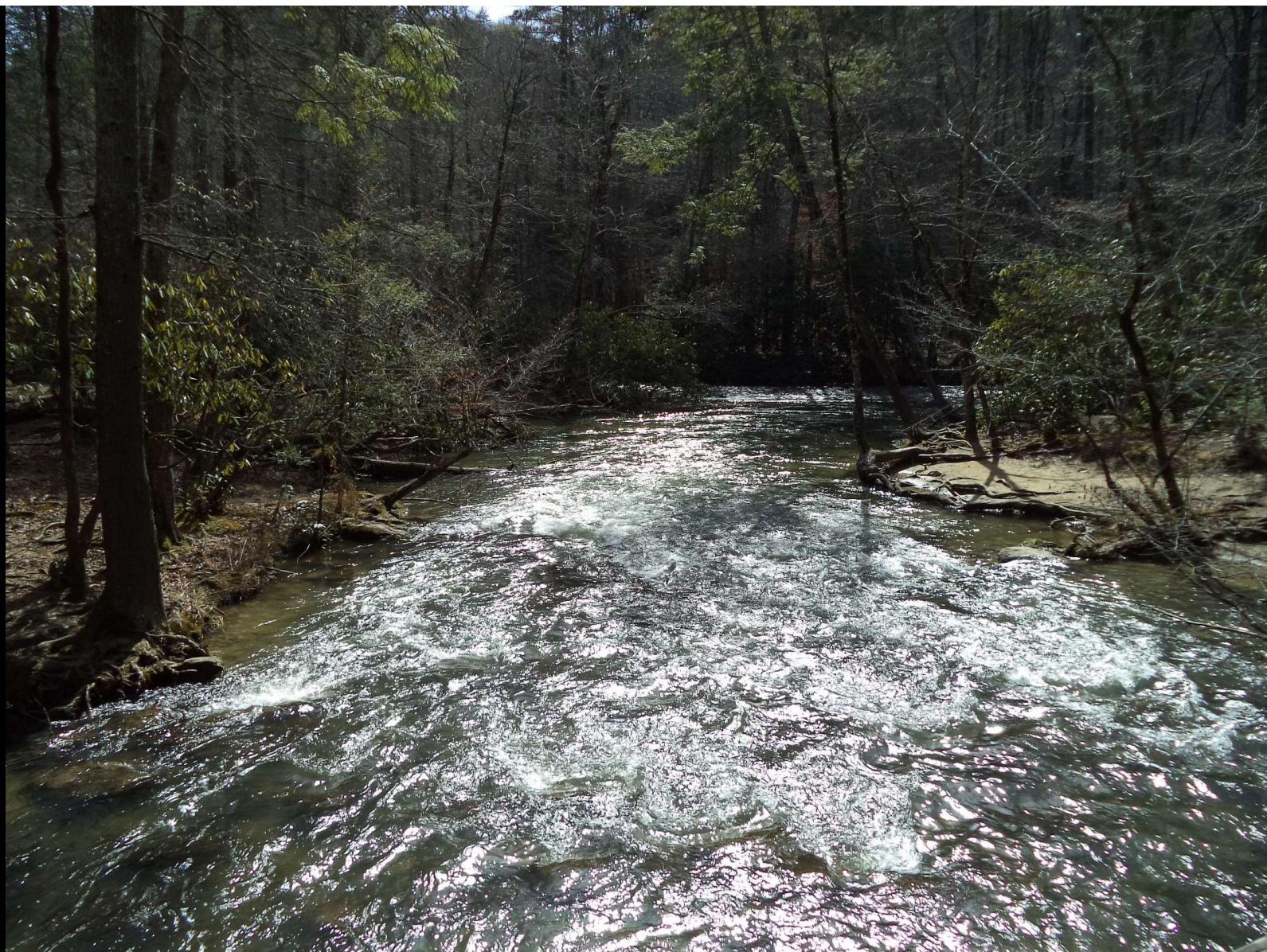
**Alcohol**  
The sale of alcohol is prohibited. The sale of alcohol is prohibited. The sale of alcohol is prohibited.







































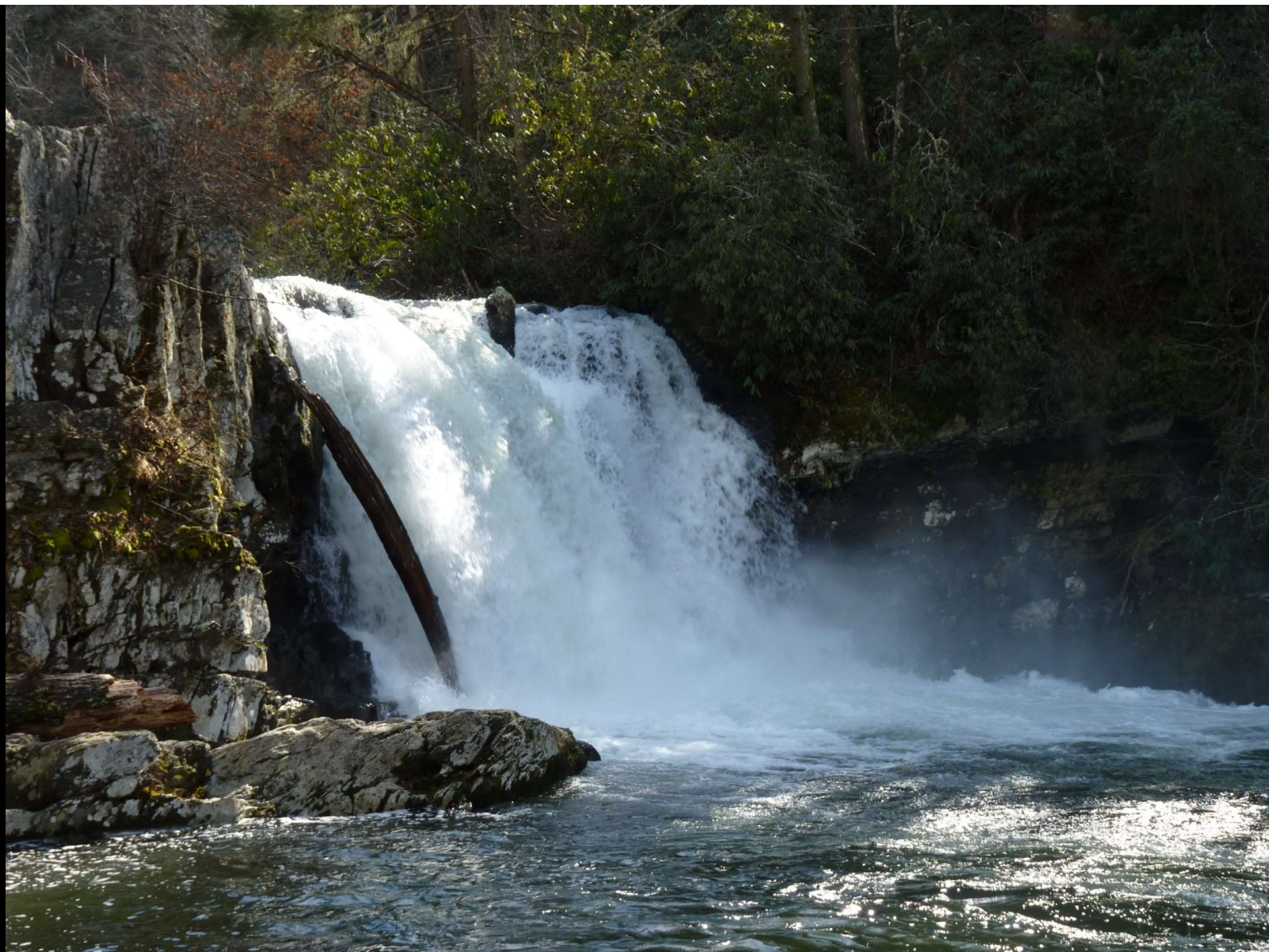












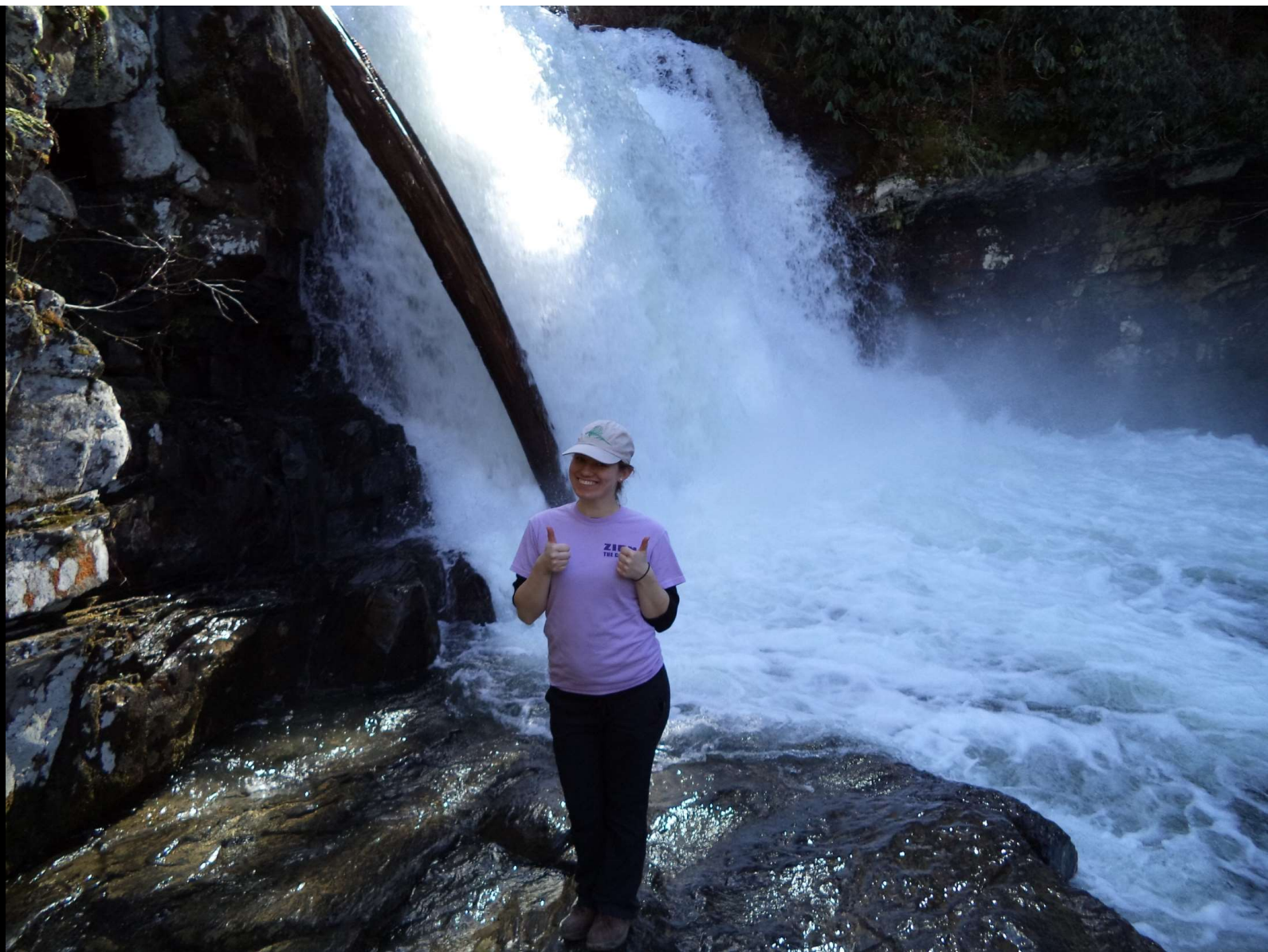
































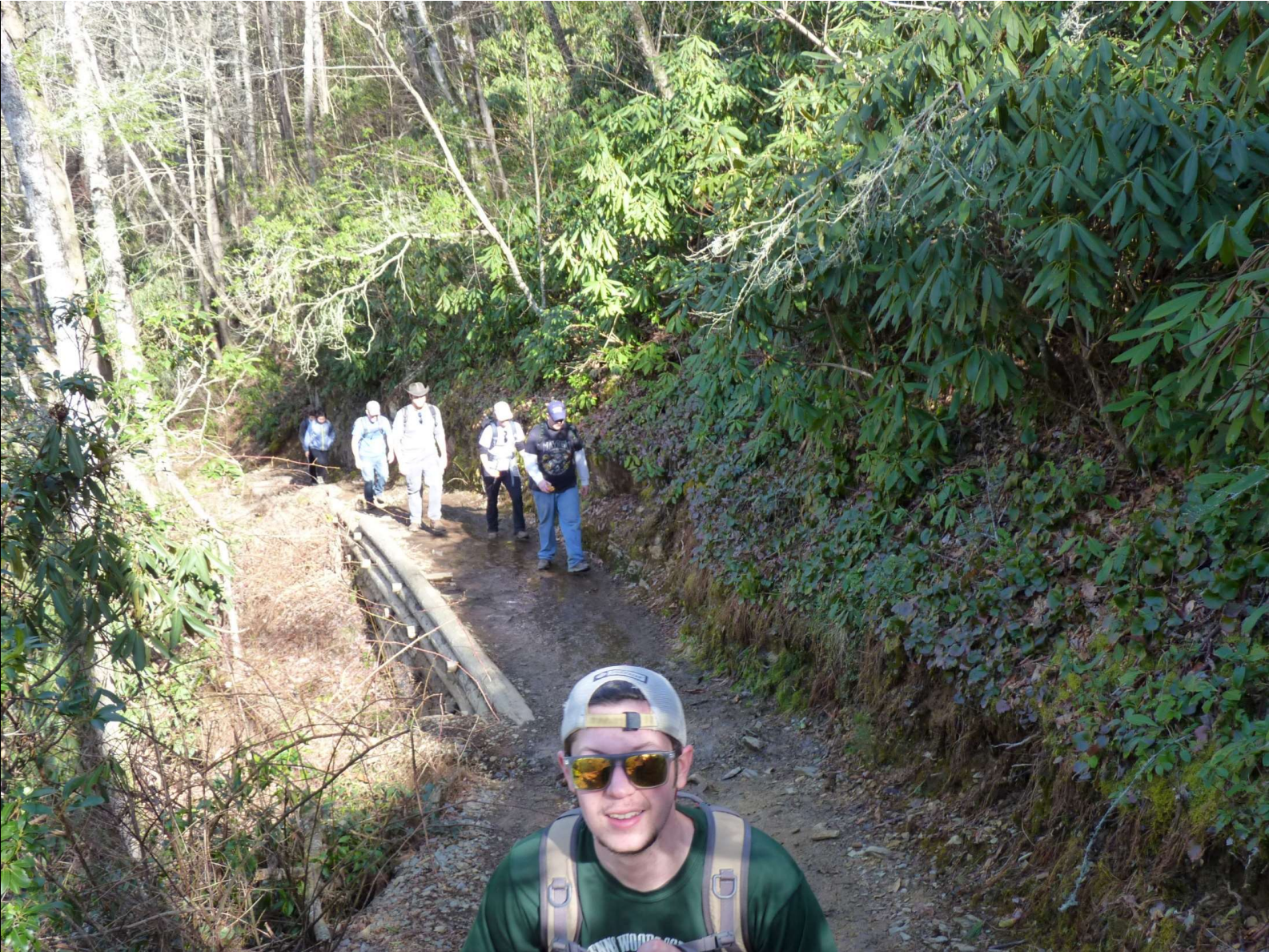






























## **Bob Was Here**

Bob visited Great Smoky Mountains National Park and especially enjoyed these historic buildings. He liked them so much, he wrote his name on the wall of the barn. He did not seem to care that these historic structures are protected by law as part of our nation's heritage, just like the Statue of Liberty.

By writing his name, Bob committed a crime. A visitor reported his vandalism to a park ranger who gave Bob a ticket. He paid a \$100 fine. If his case had gone to court, he could have been fined up to \$5000 and six months in jail.

If you wish to leave your mark on this park, please do it in a positive way by helping to protect and preserve the park's natural and historic resources.















































# ALUM CAVE TRAIL

Arch Rock 1.4

Alum Cave Bluffs 2.3

Mt. LeConte 5.0



























































































































NORTH CAROLINA  
TENNESSEE  
STATE LINE  
ELEVATION 5046  
GREAT SMOKY MOUNTAINS  
NATIONAL PARK



















### Museum Floor Scavenger Hunt: PLATINUM LEVEL

#### In the Hall of Minerals:

1. Quartz crystals can be **double-terminated** (with points at both ends). Some of these crystals are found in New York and are called: \_\_\_\_\_

2. Have you ever seen **asbestos**? Find the mineral chrysotile on display. Chrysotile is one of six **fibrous minerals** known as asbestos. Because of their flexibility, low electrical conductivity, and fire resistance, asbestos minerals were once widely used in insulation.

3. The word **dendritic** is of Greek origin and relates to trees. What display mineral has the dendritic crystal habit?

\_\_\_\_\_



4. Gastroliths ("stomach rocks") are gastrointestinal stones used by animals that lack grinding teeth. Birds use gastroliths today, but some dinosaurs used gastroliths, too; gastroliths have been found in association with dinosaur fossils. Can you find the **dino gastrolith** on display?



5. What is the difference between a **gold karat** and a **gemstone carat**? \_\_\_\_\_

6. Can you find three minerals in both **uncut** and **cut/polished** forms?

\_\_\_\_\_

7. Quartz comes in a variety of colors, but pure quartz ( $\text{SiO}_2$ ) is clear. It is **trace impurities** that lend color to quartz. What gives rose quartz its pink color? Amethyst its purple color?

Rose quartz: \_\_\_\_\_

Amethyst: \_\_\_\_\_









## HERKIMER DIAMONDS

Herkimer 'Diamonds' are not diamonds at all, but very clear quartz crystals that are doubly-terminated, meaning they have a point at both ends of the crystal. Many of the crystals are small, perfectly transparent, with smooth faces that look almost like the facets of a cut diamond, hence the nickname 'diamonds'. These crystals are found within pockets or cavities in the Cambrian-aged (500 million-year-old) Little Falls Dolomite, in Herkimer County, New York. The 'diamonds' formed when hydrothermal fluids consisting of very hot water with dissolved minerals, flowed through the rock formation and cooled down depositing the crystals within openings in the rock.













# PISGAH National Forest

Welcome!

## Ray Mine

The Ray Mine is a series of cuts, shafts, and slopes that extend in granite approximately 650 feet. The mine was first worked for mica in 1869 by Garrett Ray. The mine closed and reopened many times over the years, until the Way mining company abandoned it as unprofitable in 1944. Lesure (1968). Ray Mine is noted as one of the best places in North Carolina to find facetable grade squemarine.

### Reference

Stewart, Michael. A Rockhounding Guide to North Carolina's Blue Ridge Mountains (Almond, NC: Milestone Press, 2011).

Appalachian Ranger District  
Pisgah National Forest  
632 Manor Road  
Blair Hill, NC 28754  
828-689-9694  
[www.fs.usda.gov/nfanc](http://www.fs.usda.gov/nfanc)

## RULES

### Gold Panning, Rock Hounding, and Metal Detecting.

#### Recreational Rockhounding

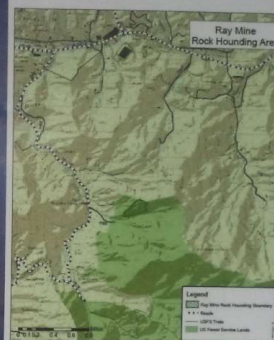
- May take place at areas where minerals are loose and free on the surface, within identified rockhounding area.
- Mineral collection must be with non-mechanical equipment and result in no significant ground or stream disturbance.
- Use of pick, shovel, sluice box or similar large tools are NOT ALLOWED.

#### Recreational Gold Panning

- Allowed where minerals are in federal ownership, using non-mechanical equipment.
- Mineral collection must be with non-mechanical equipment and result in no significant ground or stream disturbance.
- Use of pick, shovel, sluice box, suction dredges are NOT ALLOWED.

#### Metal Detecting

- Allowed at Ray Mine within identified rockhounding area.
- Any disturbance to or removal of historical or archaeological artifacts is prohibited by Federal Law.



## SAFETY



## Emergency

US Forest Service  
Appalachian Ranger District 828-689-9694



When you call 911 for help, be sure to give your location. This area is on the Appalachian Ranger District of the Pisgah National Forest. The general address of this recreation area is on Ray Mine Road off Stripes Creek Road. The nearest public phone is located three miles away in Burnsville. Please note that your cell phone may not work in some areas due to tower location and terrain.



### UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE SOUTHERN REGION

#### Emergency Response Plan for All Camp and Mine in Pisgah National Forest

Revised 10/10/10

Emergency Response Plan for  
All Camp and Mine in Pisgah National Forest

Revised 10/10/10

Emergency Response Plan for  
All Camp and Mine in Pisgah National Forest

Revised 10/10/10

Emergency Response Plan for  
All Camp and Mine in Pisgah National Forest

Revised 10/10/10

Emergency Response Plan for  
All Camp and Mine in Pisgah National Forest

Revised 10/10/10

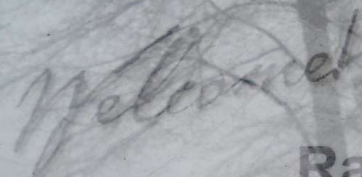


Caring for the Land  
and Serving People.



United States Department of Agriculture - Forest Service - Southern Region





Welcome

## Ray Mine

The Ray Mine is a series of cuts, shafts, and stopes that extend in granite approximately 650 feet. The mine was first worked for mica in 1869 by Garrett Ray. The mine closed and reopened many times over the years, until the Wray mining company abandoned it as unprofitable in 1944 (Lesure 1968). Ray Mine is noted as one of the best places in North Carolina to find facetable grade aquamarine.

### Reference

Streeter, Michael, *A Rockhounding Guide to North Carolina's Blue Ridge Mountains* (Almond, NC: Milestone Press, 2011).

**Appalachian Ranger District  
Pisgah National Forest  
632 Manor Road  
Mars Hill, NC 28754  
828-689-9694  
[www.fs.usda.gov/nfsnc](http://www.fs.usda.gov/nfsnc)**







































3/21/13  
KNEESPACE

# HEFFNER GAP OVERLOOK

PAVEL  
ADVENTURE  
2013  
TTC

ELEV. 3067

















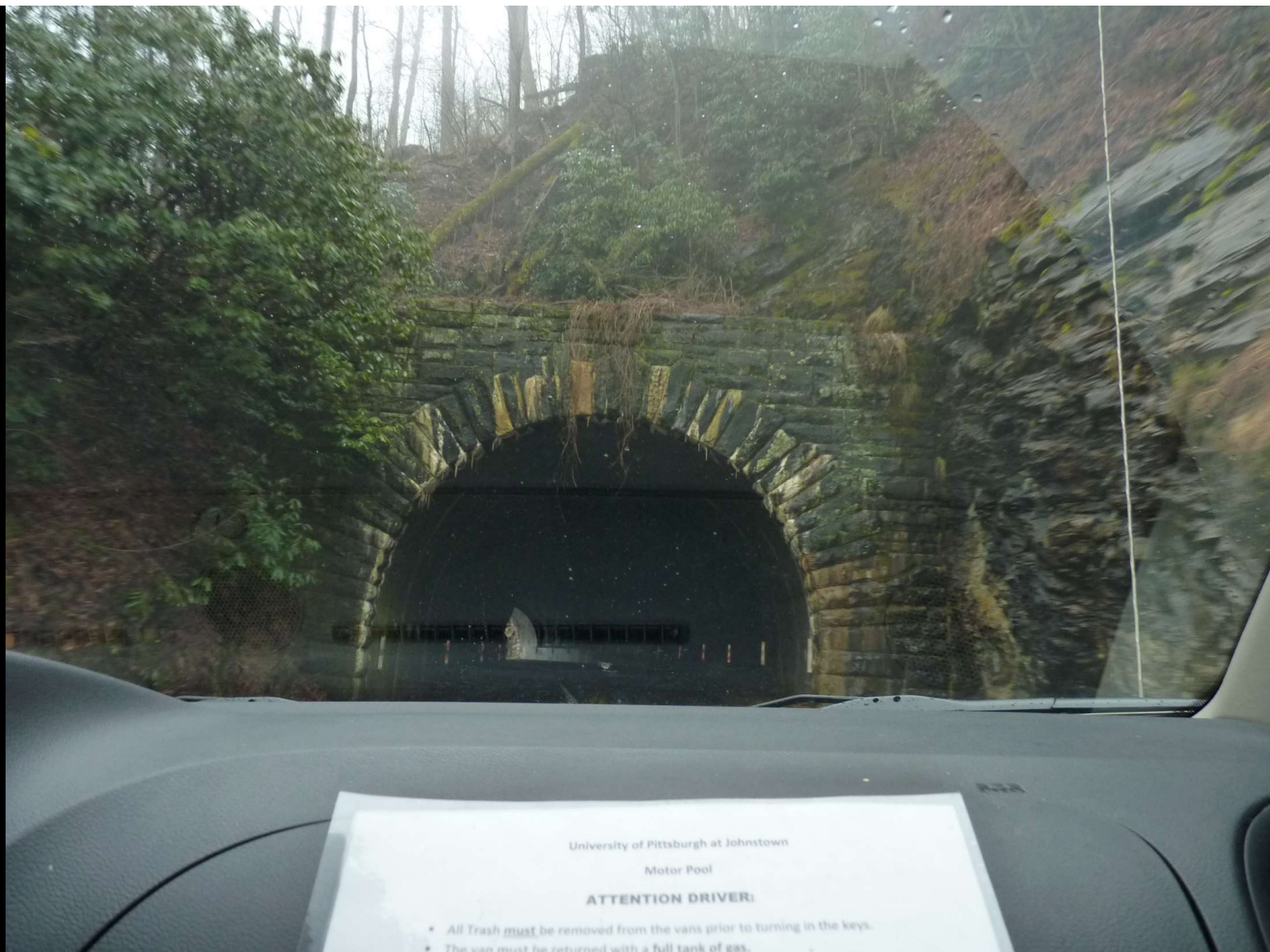












University of Pittsburgh at Johnstown

Motor Pool

**ATTENTION DRIVER:**

- All Trash must be removed from the vans prior to turning in the keys.
- The van must be returned with a full tank of gas.



A wooden signpost stands in a forest. The sign is grey with white text and arrows. It is mounted on a weathered wooden post. The background shows a forest with bare trees and a wooden fence.

CRABTREE FALLS 1.5 MI. ↑  
AMPHITHEATER 500 FT. ↑





















































































LINVILLE FALLS

"Plants, animals and other  
Resources" are protected by  
Federal Law.

Pets must be on a leash  
while in the Park.

Stay on designated Trails.

Blue Ridge Parkway  
National Park Service







# Linville Falls Trail System



Mountain Laurel  
*Linville Gorge*



Carolina Rhododendron  
*Linville Gorge*



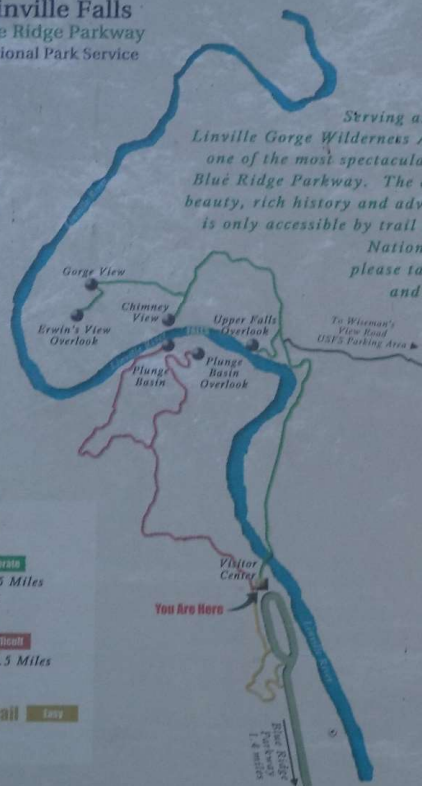
Carolina Rhododendron  
*Linville Gorge*



Rougher Rhododendron  
*Linville Gorge*

## Linville Falls Blue Ridge Parkway National Park Service

Serving as an entrance to the Linville Gorge Wilderness Area, Linville Falls is one of the most spectacular attractions on the Blue Ridge Parkway. The area is full of natural beauty, rich history and adventure. Linville Falls is only accessible by trail and protected by the National Park Service, so please take only photographs and leave no trace.



### LEGEND

**Erwin's View Trail** **Moderate**  
Upper Falls Overlook- 0.5 Miles  
Chimney View- 0.7 Miles  
Erwin's View- 0.8 Miles

**Plunge Basin Trail** **Difficult**  
Plunge Basin Overlook- 0.5 Miles  
Linville Gorge- 0.7 Miles

**Dugger's Creek Loop Trail** **Easy**  
Trail Length- 0.3 Miles



#### View from Upper Falls Overlook

This overlook provides a view of the smaller drops leading into the main waterfall.



#### View from Chimney View

This overlook is the best angle for a full view of Linville falls, Upper Falls and its surrounding beauty.



#### View from Plunge Basin

This overlook features an interesting side view of the Linville Falls.



#### View from Dugger's Creek

This short nature trail features quiet and solitude by a small creek.

































































← UPPER FALLS OVERLOOK 500 FT.  
CHIMNEY VIEW OVERLOOK .3 MI. →  
ERWIN VIEW .4 MI. →

















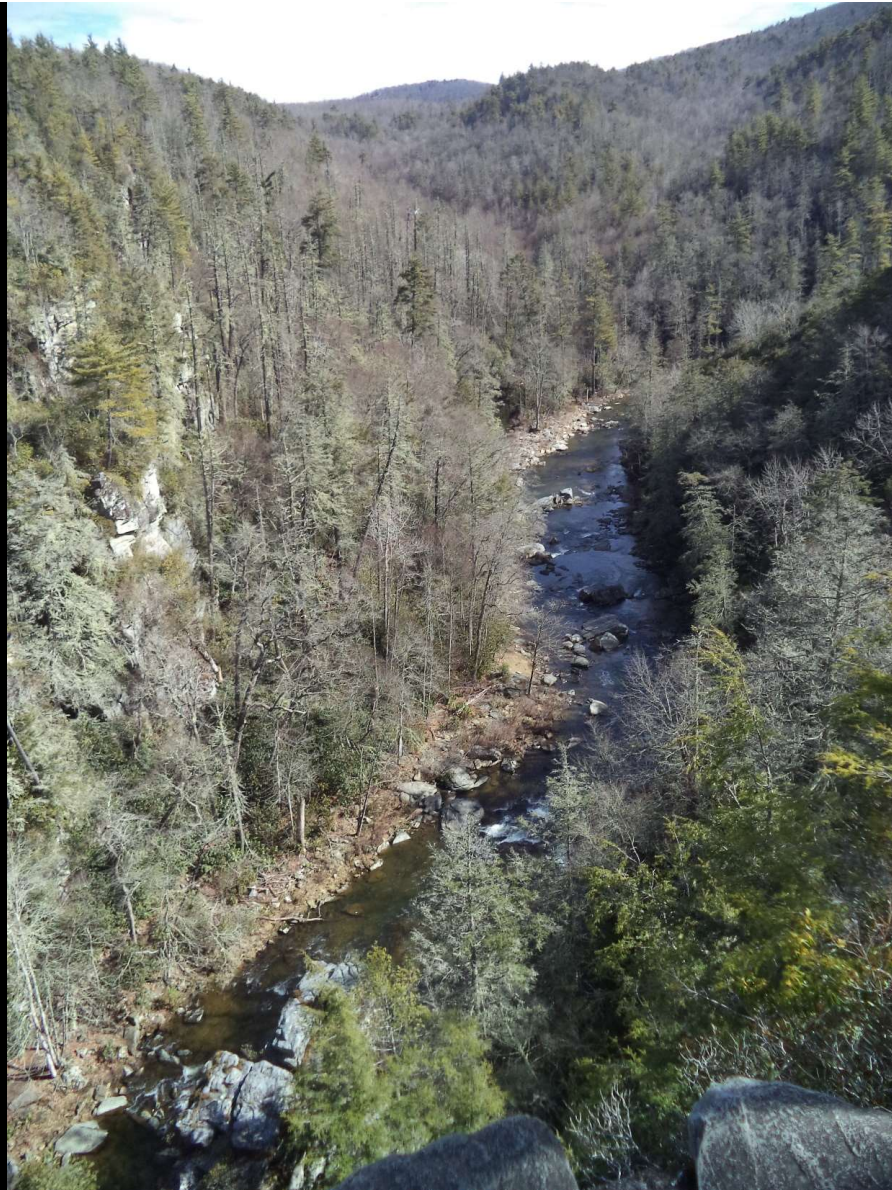




























*Because Luke is Creepy and takes pictures of random people*































# BEACON HEIGHTS TRAIL

Plants, animals, and other resources  
are protected by Federal law.

Pets must be on a leash while in  
the Park.

Stay only on the designated trail.

BLUE RIDGE PARKWAY  
NATIONAL PARK SERVICE



























































































