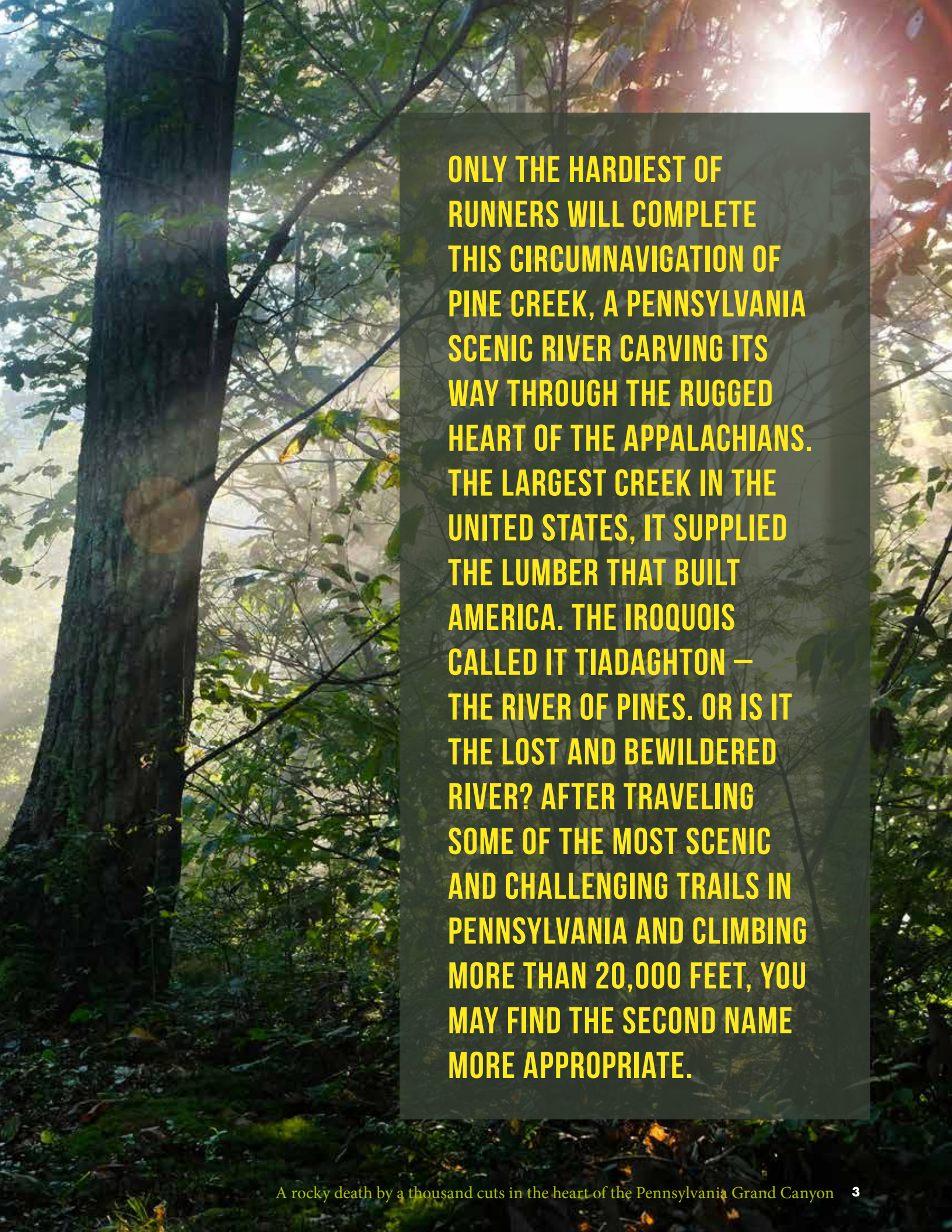




Proud to be
Trail Sisters
Approved



A large, dark tree trunk stands on the left side of the frame, its bark textured and mossy. Sunlight filters through the dense green foliage in the background, creating a dappled light effect. The right side of the image is dominated by a semi-transparent dark grey box containing yellow text.

ONLY THE HARDIEST OF RUNNERS WILL COMPLETE THIS CIRCUMNAVIGATION OF PINE CREEK, A PENNSYLVANIA SCENIC RIVER CARVING ITS WAY THROUGH THE RUGGED HEART OF THE APPALACHIANS. THE LARGEST CREEK IN THE UNITED STATES, IT SUPPLIED THE LUMBER THAT BUILT AMERICA. THE IROQUOIS CALLED IT TIADAGHTON — THE RIVER OF PINES. OR IS IT THE LOST AND BEWILDERED RIVER? AFTER TRAVELING SOME OF THE MOST SCENIC AND CHALLENGING TRAILS IN PENNSYLVANIA AND CLIMBING MORE THAN 20,000 FEET, YOU MAY FIND THE SECOND NAME MORE APPROPRIATE.



The 6th Eastern States 100

CONTENTS

| | |
|---------------------------|----|
| Sponsors | 06 |
| Acknowledgements | 08 |
| Race Schedule | 13 |
| General Information | 14 |
| Race Rules | 16 |
| Course Map | 22 |
| Aid Station Chart | 23 |
| Course Records | 29 |
| Crew Directions | 30 |
| GPS Guide | 34 |

ENWILD
HIKE | RUN | ROAM



SPONT



SOPRS









Eastern States 100

Set deep in the heart of Pennsylvania Grand Canyon country, Eastern States is an ultimate test for the strongest and toughest: long and steep climbs, remote trails, classically technical Rocksylvania terrain, and all in the glorious heat and humidity of east coast August. This circumnavigation of Pine Creek visits some of our most storied trails (like the Mid State Trail and the Black Forest Trail) and accumulates well over 20,000 feet of climbing in the process. You'll pay a high price for these miles, but you'll reap a reward beyond measure.

SCHEDULE

Race date:

August 14 and 15, 2021

Friday

5:00-8:00pm: Race bibs and swag bags*

**All runners must check in with picture ID to receive their bibs and also must check in again race morning if picking up their bibs on Friday evening.*

7:00pm: Race briefing**

***There is no official pre-race dinner but there is a mandatory race briefing on Friday evening at 7:00pm.*

Saturday

3:30am: Check-in station opens

All runners check in and receive race bibs and swag bags.

Fresh-brewed Bacon Coffee and breakfast available!

4:45am: Pre-race briefing (at the start line)

5:00am: Start

6:17am: Sunrise

8:09pm: Sunset

Sunday

6:18am: Sunrise

5:00pm: Cutoff (36 hours)



General Information

Race Base

- Race check-in, drop bag collection, and start/finish line are all located at Little Pine State Park day use area, *approximately 1 mile north of the Little Pine State Park Campground.*
- **Race check-in** and the **start/finish line** are at the **Registration Pavilion** directly below of the parking lot.
- The **drop bag collection** point is at the far pavilion near the opposite end of the parking lot.
- The **bathrooms** are located on the rear of the **Bathroom Building** on the south end of the parking lot.
- Please remember that alcohol is not permitted in the State Park, except at the Registration Pavilion during the race. We need to be good guests and respect this. Alcohol is permitted in the State Forest, which means you can have a cold one at most aid stations.

Drop Bags

Use drop bags if you have things you need but don't want to carry the whole way – warm/dry clothing, a special snack, headlamp, etc. We'll transport your bags to designated aid stations and have them waiting for you. The drop off location will be at the opposite end of the parking lot from the registration pavilion race morning.

- We'll take drop bags to the following 5 aids stations (use as many or as few as you'd like):

| | | |
|------------------------------|----------------------|-----------------------|
| <i>AS3 Lower Pine Bottom</i> | <i>AS7 Hyner Run</i> | <i>AS10 Slate Run</i> |
| <i>AS13 Blackwell</i> | <i>AS15 Barrens</i> | |

Drop bag guidelines:

- Close your bag securely and label it clearly with name, bib #, and the aid station it's meant for.
- Drop off at the collection point no later than the start of your race.
- We can't promise to protect your bag from the weather, so a **waterproof bag** is best.
- Please keep your drop bags as small as possible, but not larger than **20" x 20"** (a standard string bag, 5-gallon ziplock or equivalent), and please - bags only (no boxes).
- We'll get them back to the drop off location as soon as possible.

Communications

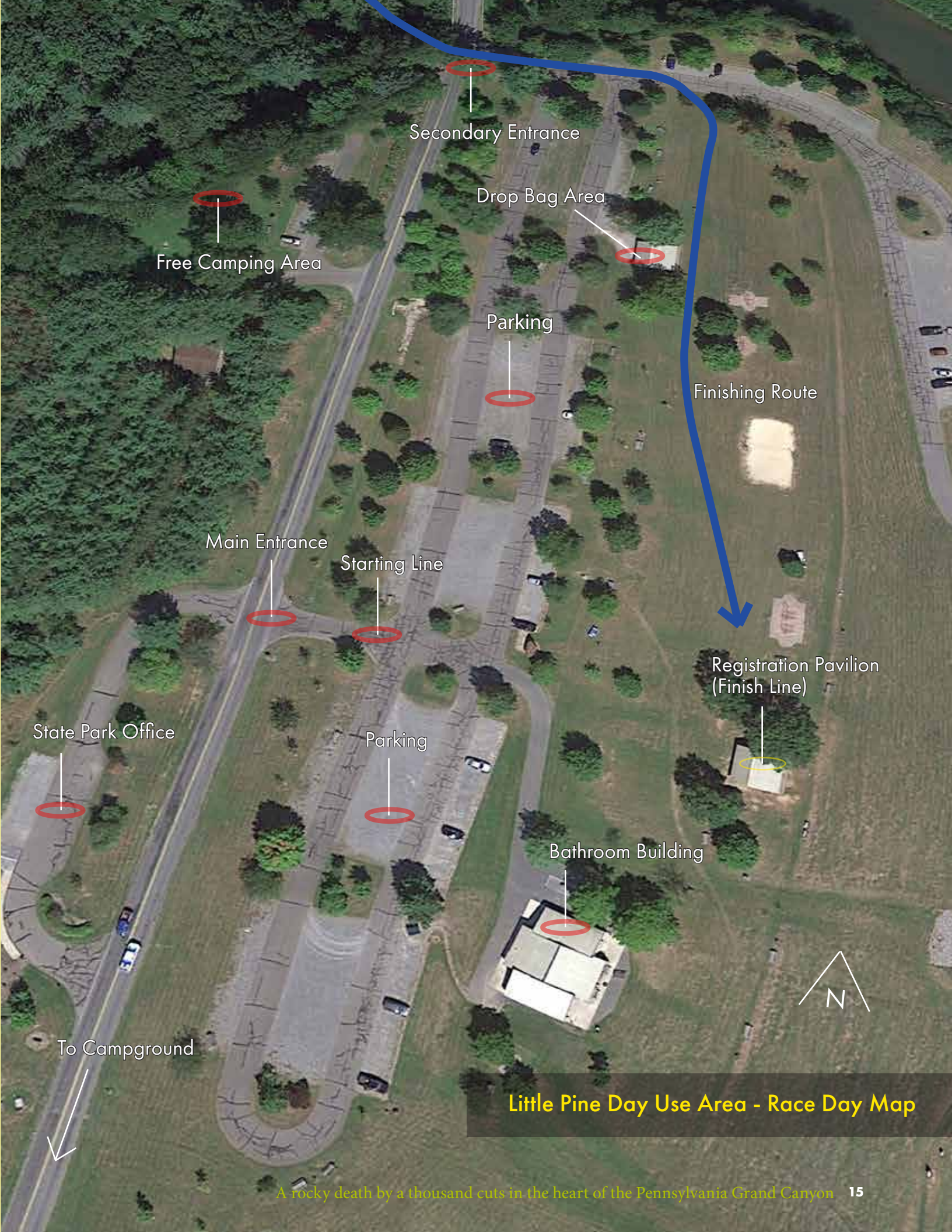
The PA Wilds is a remote area and cell phone service is very limited – it's unlikely you will be able to talk with your runner, crew, etc. by phone. We will have radio communication with each aid station through our communications command bus – if you have an urgent need to contact a runner or crew, please see a race official at the finish line or any personnel at the communications command bus.

Spectators

Spectators are welcomed and encouraged. Aid stations with easy access and adequate parking are AS3 Lower Pine Bottom and AS7 Hyner Run. See "Guide to Crew Accessible Aid Stations" below for directions. We expect spectators/guests to follow the same rules as our participants – no littering, courtesy and respect for all trail users, etc.

Post-race Food

We'll have some food (hot dogs, etc.) available for everyone – crew and spectators included – at the finish line starting at 1:00pm on Sunday. Of course, **we'll also have a Runners Only section with a wider selection of extra-special food** just for them, **and food for our volunteers.** These areas will be clearly marked, so please respect the options (if you want the extra-special food, come back next time as a runner or volunteer 😊).



Free Camping Area

Secondary Entrance

Drop Bag Area

Parking

Finishing Route

Main Entrance

Starting Line

Registration Pavilion
(Finish Line)

State Park Office

Parking

Bathroom Building

To Campground

Little Pine Day Use Area - Race Day Map

Race Rules

Runner Rules

1. **No unofficial runners** – No bandits (or unregistered pacers) allowed.
2. **Bib Placement** – You can pin your bib to your shirt or pants or pack, and we don't care if you fold it, BUT the entire number must be clearly visible from the front (and right-side-up). If we can't tell who you are as you approach, we reserve the right to stop you until you fix it.
3. **No course cutting** – Follow the marked course at all times – it will be clearly marked with pink survey ribbon, directional arrows, and with reflective tape after AS8. If you depart the marked course, you must return to the point of departure before continuing. Cutting the switchbacks is cheating, and leaving the beaten path to avoid mud or water is just bad trail karma – please don't.
4. **Mandatory gear** – A headlamp or similar lighting is mandatory when running before daybreak and after dark. Make sure you're carrying a light or have it in a drop bag or with your crew before you think you'll need it - because you'll need it before you think you do. Emergency blanket is also mandatory.
5. **Optional race aids** – Hiking poles, headphones, GPS devices, heart rate monitors, and similar devices are allowed – but ONLY IF you use them safely and responsibly (so you are aware of what's around you and not a danger to yourself or others).
6. **No unauthorized crew support or aid drops** – Crew access and drop bags are allowed only at designated aid stations. No one is allowed to drop or store supplies along the race route, and runners are not allowed aid between checkpoints unless it is an emergency.
7. **Pets** – We love trail dogs, but not during a race. Please no pets on the course. Pets are welcome as part of your crew, and at the start/finish area, but they must be under control and they must be on a leash while within the state park. If your pet is disruptive, we may ask that you remove them from the area.
8. **Do not litter** – You can either carry your trash or dispose of it at the aid stations. We are operating under permits from the Department of Conservation and Natural Resources and litter could threaten future permits. Anyone caught intentionally littering along the trail will be disqualified.
9. **Passing other trail users** – The course uses many popular hiking trails and bridle (horse) trails, so please be respectful of all trail users and yield as needed. Be careful, courteous, patient, and safe while passing competitors or other trail users. Communicate your intentions clearly (“Passing on your left”), and remember that it's a long run.
10. **Accountability** – We'll be tracking your progress around the course – it's your responsibility to make sure your race bib is visible, and to check yourself (and your pacer) **IN and OUT of each aid station** (even if you are just passing through without stopping). The communications team at the aid station will record your arrival and departure, and relay your progress to race headquarters.
11. **Cut-off times** – Aid station captains will strictly enforce the cut-off times that are posted for designated aid stations (*see aid station chart*). **Cut-off times are departure times, NOT arrival times.** If you're not out of the station by the cut-off, your race is over. Aid station captains also have the authority to pull you from the course if it is clear that you are physically unable to continue in a safe manner. Their decisions are final, and if you refuse to vacate the course when directed, you'll be disqualified.
12. **Dropping out of the race** – If you can't complete the race, **you must notify an aid station captain and surrender your race bib**, which will officially withdraw you from the race. If you leave the race and don't show up at the next aid station within a reasonable time, we'll assume you're lost and will notify authorities. This could threaten the race's future permits. Leaving a race without informing an aid station captain means automatic disqualification and possible restriction from entry into future races.

Pacer Rules

Runners may use pacers, according to the following rules:

1. **Pacers must register** – Complete an emergency contact and waiver form at the aid station you are going to pick up your runner at before running, and wear the pacer bib you receive there while you are on the course.
2. **Pacer starts** – Pacers may enter the course at AS7 Hyner Run, AS10 Slate Run, AS13 Blackwell, and AS15 Barrens.
3. **One pacer at a time** – Standard practice, one pacer per runner at a time. End of story.
4. **No “muling”** – Pacers are there for safety and moral encouragement – not to help carry your stuff (or you). They can help you at aid stations just as your crew would, but they aren’t allowed to carry water, food, or other supplies for you or physically assist you in any way out on the trail. They may run beside you or behind you, but not in front of you – this is your race, not theirs.
5. **Accountability** – Pacers must check in and out with the aid station communication crews at each station just as the runners do. We’re just as concerned about their safety and accountability, so we need to know who is out on the course at any time.
6. **Pacers may use aid stations** – Pacers are free to use the aid stations they visit with their runner.

Crew Rules

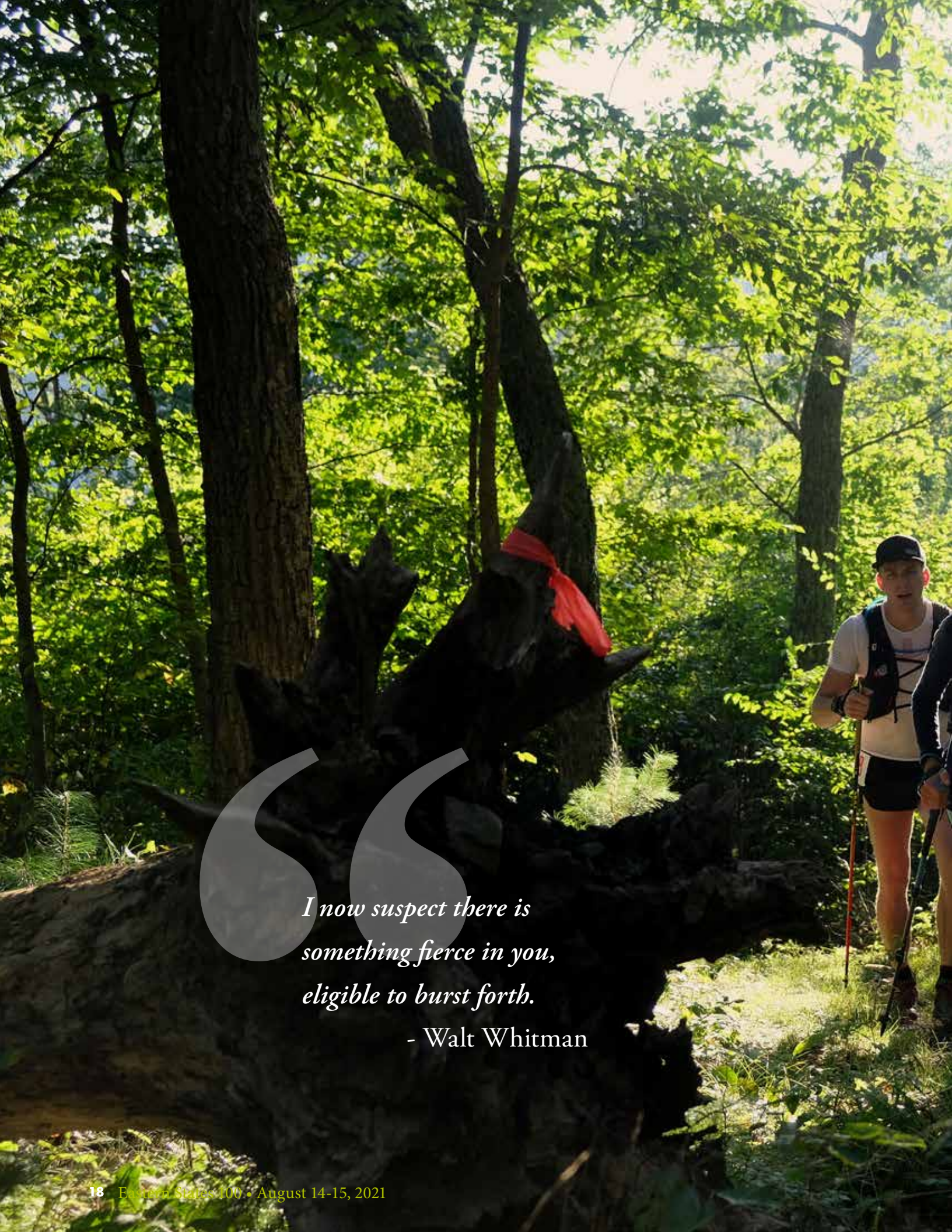
A crew can be an important part of your race effort, and they are welcome for runners, according to the following rules:

1. **Crew support only at designated aid stations** – Your crew can help you in pretty much any way, but **ONLY** while you are checked in at one of the five crew-accessible aid stations. **Crews are ONLY PERMITTED at the Start/ Finish Line, AS3 Little Pine Bottom, AS7 Hyner Run, AS10 Slate Run, AS13 Blackwell, and AS15 Barrens.**
2. **One crew vehicle per runner** – Parking is limited at many of the remote aid stations, and some of the access roads are narrow and dusty. It will be nicer – and safer – for everyone if there are fewer vehicles moving about.
3. **Aid Station flow** – Aid stations can be busy places, and it’s important that runners have a clear route in and out, with easy and quick access to the station. Please find an out-of-the-way place (but within 50 yards of the station) for your crew activities so you don’t add to the congestion, and please obey the instructions of the Aid Station Captain – the station is their space and their responsibility.
4. **Do Not Disturb the Communications Team** – The Communications Team is there to ensure the safety and whereabouts of each runner. They are not there for you to answer if your runner has checked in at an aid station. There will be an assigned volunteer at each crewed aid station that can answer any questions you may have if time and circumstances permit it.
5. **Crews may volunteer** – We’re really one big trail family when it comes down to it. Crews are free to help other runners if they want to, or to help out the aid station crew (if it’s alright with the aid station captain.)

Safety Rules

It’s a wild backwoods Pennsylvania mountain trail – of course it can be dangerous! That’s one of the reasons we love it, but we really don’t want anyone to get hurt, so we expect you to take some reasonable precautions, and to know what to do if something does go wrong.

1. **If you get injured** – Stay on the trail and wait to inform another runner that you are injured and ask that they notify race officials at the next aid station. Cell phone service is very limited on the course, but there will be a communications team at each aid station that can talk to race headquarters and to a centrally-located ambulance/ EMT crew. If you need help, that aid station communication team is your fastest and most reliable answer – go to the nearest aid station (forward or back) or relay the message to them.
2. **You are a pedestrian** – You must obey all laws pertaining to road pedestrian crossings; vehicles have the right-of-way at all times. Before you cross any road, remember what your mother told you and look both ways.



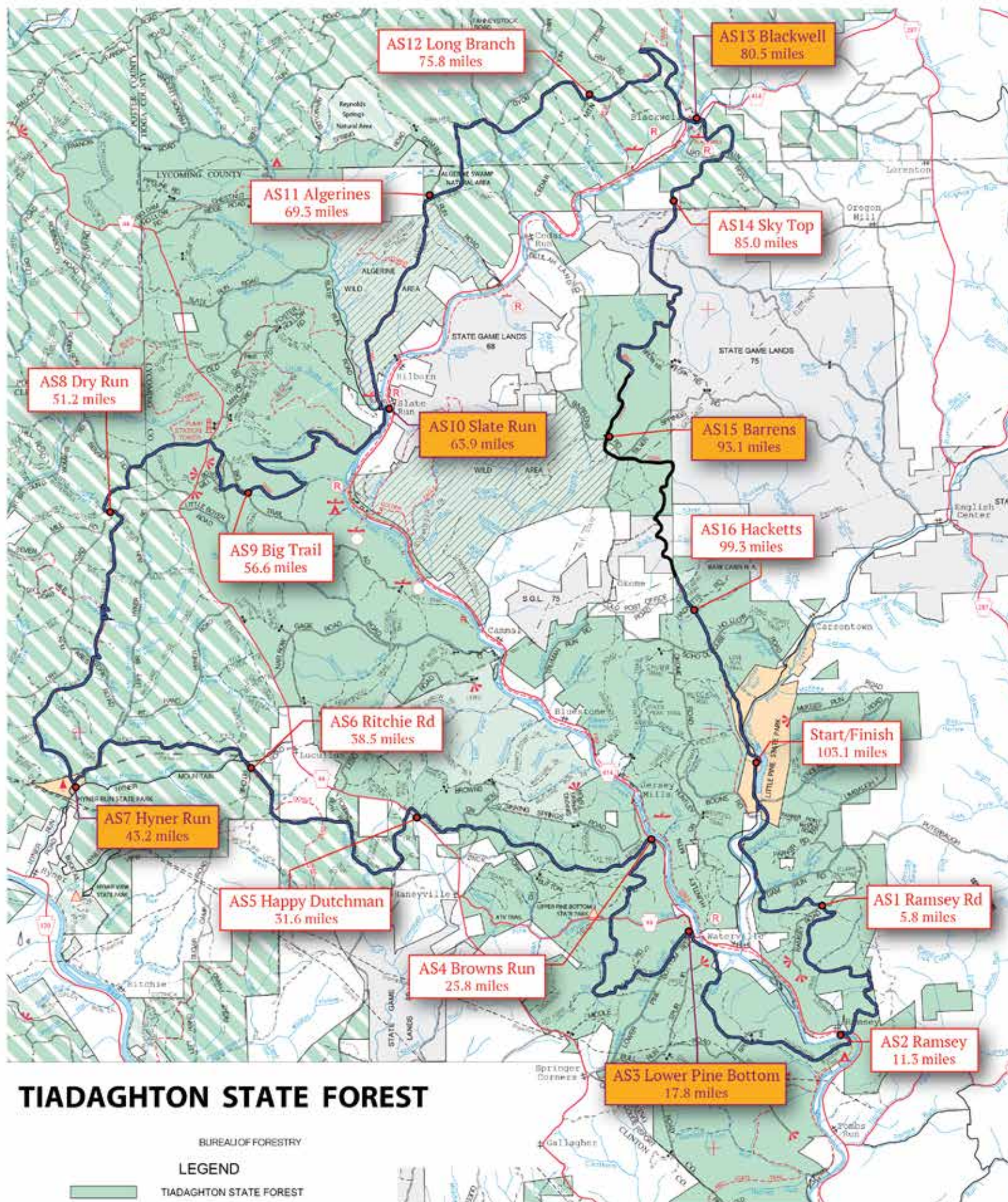
*I now suspect there is
something fierce in you,
eligible to burst forth.*

- Walt Whitman









Note: Orange are the crew-accessible aid stations.

Eastern States 100 Aid Stations (2021)

| Aid Station | Sect Dist | Total Dist | Support | | | | Cutoffs (latest DEPARTURE time) | | | | | Aid Station Schedule | | |
|---------------------------|-----------|------------|---------|----------|--------|-------------|--|------------|-----------------------|-----------------------|--------------|----------------------|--------|-----------------|
| | | | Crew | Drop Bag | Toilet | Pacer Start | Time of Day | Total Time | Time from last Cutoff | Pace from last Cutoff | Overall Pace | Open | Close | Total Time Open |
| Start | | 0.0 | | | | | 5:00a | | | | | | | |
| AS1 Ramsey Rd | 5.8 | 5.8 | | | | | | | | | | 5:30a | 7:00a | 1:30 |
| AS2 Ramsey | 5.5 | 11.3 | | | | | | | | | | 6:00a | 9:00a | 3:00 |
| AS3 Lower Pine Btm | 6.5 | 17.8 | x | x | x | | 11:30a | 6:30 | 6:30 | 21:55 | 21:55 | 7:00a | 11:30a | 4:30 |
| AS4 Browns Run | 8.0 | 25.8 | | | | | | | | | | 8:00a | 2:00p | 6:00 |
| AS5 Happy Dutchman | 5.8 | 31.6 | | | | | 4:30p | 11:30 | 5:00 | 21:44 | 21:50 | 9:00a | 4:30p | 7:30 |
| AS6 Ritchie Rd | 6.9 | 38.5 | | | | | | | | | | 10:00a | 6:30p | 8:30 |
| AS7 Hyner Run | 4.7 | 43.2 | x | x | x | x | 8:15p | 15:15 | 3:45 | 19:24 | 21:11 | 11:00a | 8:30p | 9:30 |
| AS8 Dry Run | 8.0 | 51.2 | | | | | | | | | | 12:30p | 11:00p | 10:30 |
| AS9 Big Trail | 5.4 | 56.6 | | | | | 12:45a | 19:45 | 4:30 | 20:09 | 20:56 | 1:30p | 1:00a | 11:30 |
| AS10 Slate Run | 7.3 | 63.9 | x | x | x | x | 3:15a | 22:15 | 2:30 | 20:33 | 20:54 | 3:00p | 3:30a | 12:30 |
| AS11 Algerine | 5.4 | 69.3 | | | | | | | | | | 4:00p | 5:30a | 13:30 |
| AS12 Long Branch | 6.5 | 75.8 | | | | | | | | | | 5:00p | 7:30a | 14:30 |
| AS13 Blackwell | 4.7 | 80.5 | x | x | x | x | 9:15a | 28:15 | 6:00 | 21:41 | 21:03 | 6:00p | 9:30a | 15:30 |
| AS14 Sky Top | 4.5 | 85.0 | | | | | 10:45a | 29:45 | 1:30 | 20:00 | 21:00 | 7:00p | 11:00a | 16:00 |
| AS15 Barrens | 8.1 | 93.1 | x | x | x | x | 1:30p | 32:30 | 2:45 | 20:22 | 20:57 | 9:00p | 2:00p | 17:00 |
| AS16 Hackett | 6.2 | 99.3 | | | | | 3:45p | 34:45 | 2:15 | 21:46 | 21:00 | 10:00p | 4:00p | 18:00 |
| Finish | 3.8 | 103.1 | | | | | 5:00p | 36:00 | 1:15 | 19:44 | 20:57 | 11:00p | 5:30p | 18:30 |

Times in *italics* are Sunday
 Sunrise: 0618 (6:18 AM)
 Sunset: 2009 (8:09 PM)



Course Markings

The Eastern States 100 course is well marked with a combination of orange flagging tape, arrows and highly reflective flagging provided by our sponsor **RUseeN**. Turns are typically marked with 3 pieces of orange flagging tape before and after a turn. Know that there are MANY intersections and you need to stay vigilant during the entire race. You are ultimately responsible for staying on course.











Driving Directions to Crew-Accessible Aid Stations

Little Pine State Park to AS3 Lower Pine Bottom (10 min)

1. From the Little Pine State Park Day Use Area, turn left onto Little Pine Creek Rd.
2. Follow Little Pine Creek Rd for 4.3 miles, then turn right onto PA-44.
3. Follow PA-44 for 1 mile, then turn left into the PA DCNR Bureau of Forestry.
4. Aid station is at the end of the PA DCNR Bureau of Forestry building parking lot.
5. **Note: Once the parking lot is filled, please park along the entrance drive facing the exit. Do not overpark the parking lot in front of the DCNR building. If crews are caught creating a hazard for runners in the parking lot, the aid station captain has the authority to disqualify the runner of that crew.**
6. **Restrictions: No vehicle restrictions at AS3 Lower Pine Bottom.**

AS3 Lower Pine Bottom to AS7 Hyner Run (22 min)

1. Return to Bureau of Forestry entrance, then turn left onto PA-44 for 0.5 miles.
2. Turn slight left to stay on PA-44 and follow for 5.3 miles.
3. Turn right to stay on PA-44 and follow for 5.2 miles.
4. Turn left on Hyner Mountain Rd and follow for 5.0 miles.
5. Turn right into Hyner Run State Park and the parking lots will be on your right.
6. **Caution: Runners are traveling down the road to the aid station. Please stay alert as you approach the aid station.**
7. **Restrictions: No vehicle restrictions at AS7 Hyner Run.**

AS7 Hyner Run to AS10 Slate Run (43 min)

1. Return to the state park entrance and turn left onto Hyner Mountain Rd.
2. Follow Hyner Mountain Rd for 5.0 miles.
3. Turn right onto PA-44 and follow for 5.2 miles.
4. Turn left to stay on PA-44 and continue for 5.3 miles.
5. Take a sharp left onto PA-414 and follow for 14.1 miles.
6. Turn left onto Slate Run Rd and park at the Slate Run Recreational Parking area on your right prior to the bridge over Pine Creek. Overflow parking is available at Tomb Flats Campground 2 minutes south (prior) to Slate Run. Crews and Pacers can walk the rail trail to the aid station.
7. **Caution: Runners will be crossing the bridge in front of you and into the Slate Run Recreational Parking area.**
8. **Restrictions: No RVs allowed at AS10 Slate Run.**

AS10 Slate Run to AS13 Blackwell (19 min)

1. From the Pine Creek Rail Trail parking lot, turn left onto Slate Run Rd, then left onto PA-414.
2. Follow PA-414 for 10.7 miles, then right into the Robert McCullough Jr. Parking area.
3. **Note: This aid station has very limited parking. Only park on the right side of the road if the parking lot is full.**
4. **Restrictions: No RVs allowed at AS13 Blackwell.**

AS13 Blackwell to AS15 Barrens (35 min)

1. From the Pine Creek Rail Trail parking lot, turn left onto PA-414.
2. Follow PA-414 for 5.7 miles, then left onto Beulah Land Rd.
3. **Note: Beulah Land Rd will turn into a gravel/dirt road once you pass the village of Cedar Run.**
4. Follow Beulah Land Rd for 5.4 miles, then turn left to stay on Beulah Land Rd.
5. Continue on Beulah Land Rd for 2.2 miles, the aid station will be on your left.
6. **Note: Please park on the right hand side of the road and do not block the course!**
7. **Restrictions: No RVs or low-clearance vehicles. 4-wheel and all-wheel drive recommended.**

AS15 Barrens to Little Pine State Park (38 min)

1. Continue on Beulah Land Rd for 0.5 miles, then right onto Truman Run Rd.
2. Follow Truman Run Rd for 6.0 miles, then left onto PA-414.
3. Follow PA-414 for 5.7 miles, then merge with PA-44.
4. Continue on PA-44 for 1.5 miles, then left onto Little Pine Creek Rd.
5. Follow Little Pine Creek Rd for 4.3 miles, then right into the Little Pine State Park.
6. **Restrictions: No overnight RV parking.**



GPS Guide to Crew Accessible Aid Stations

| <i>Aid Station</i> | <i>Name</i> | <i>Coordinates</i> | <i>Description</i> |
|--------------------|------------------------------|---|--|
| Start/ Finish | Registration Pavilion | Latitude: 41.363915 Longitude: -77.3556315 | Start/Finish line is at the Registration Pavilion in the Little Pine day use area. |
| AS3 | Lower Pine Bottom | Latitude: 41.315558 Longitude: -77.384522 | Parking area is at the Tiadaghton Resource Management Center. |
| AS7 | Hyner Run SP | Latitude: 41.361064 Longitude: -77.625039 | Parking area is at the far side of the State Park. |
| AS10 | Slate Run | Latitude: 41.471267 Longitude: -77.502447 | Aid Station at the Slate Run Recreational Parking lot before Pine Creek. Overflow lot at Wolfe's General Store and Tomb Flats. |
| AS13 | Blackwell | Latitude: 41.556308 Longitude: -77.381816 | Located at the Robert McCullough Jr. Parking lot across Pine Creek along the rail trail. |
| AS15 | Barrens | Latitude: 41.461448 Longitude: -77.415293 | Barrens |



EASTERN STATES 100





A rocky death by a thousand cuts in the heart of the Pennsylvania Grand Canyon

Course Records

Men's Course Record
Wesley Atkinson
18:23:47 (2019)

Women's Course Record
Kathleen Cusick
24:48:57 (2014)

Pictured: Devon Olson, Overall Winner, 2016





