



EARTHWORKS

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April, 2010

Garlic Mustard Pull 2010

On Saturday March 27th, we assisted the Park with their annual garlic mustard pull. The volunteers on 3/27 did a great job combing the mountain top & eliminating any signs of the plant. The efforts of the trail club and the park staff over the last few years appear to be making progress in curbing the spread of the plant, but we're far from done! Now, just 2 weeks later, more plants are appearing -- so it's clear we can't let up.

E-mail us at: TrailHelpers@KennesawMountainTrailClub.org if you'd like your e-mail address added to our list of people primarily interested in eliminating invasive plants in the Park. Be sure to mention "**garlic mustard**" in the e-mail.

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The garlic mustard plant (*Alliaria petiolata*) was brought to North America from Europe in the late 1800's as an herb. For unknown reasons garlic mustard has spread rapidly in recent years and has become invasive. The plant is a biennial. First year growth gets to only a few inches in height and has small scalloped and kidney shaped leaves. Second year growth takes on a very different look with stems of up to 4 feet tall and leaves that are triangular and sharp toothed. The second year growth produces small four-petaled flowers in the springtime. Seeds are sticky and get spread by humans and animals.

Garlic mustard is one of the few non-native plants capable of invading and dominating forest floor. It readily invades forested habitats where it can displace native plants, compete with timber species regeneration, alter soil composition and structure, impact natural associations between plants and fungi, and result in cascading ecosystem impacts.

At Kennesaw Mountain we are now in our 4th year of battling this plant. We have been pulling the plants out where we can and in some cases spraying large areas of them with herbicide. The plants we pulled on this particular weekend appeared to be primarily first year growth which means these came from seeds. Since the seeds can live up to five years under the soil and are not easily affected by herbicides, these seeds could be from plants here in the park or they could be new seeds brought in recently by migratory birds passing through here in the fall.

So far we are winning this battle but there is no guarantee that new seeds won't arrive and start the invasion going again.

On the following pages, there are pictures of our activities for March 27th and also pictures of the plant in question. We ask you, in an informal survey, to look for the plant as you walk the park, or anywhere else in Georgia, for that matter, and let us know if you see it - and if so where! We'd like to see if it is indeed spreading to other areas of Georgia or if we are in fact limiting its spread to just Kennesaw Mountain.

Scott MacKay

National Trails Day - June 5, 2010

We are planning our 6th annual National Trails Day Event on June 5, 2010.

This year signing up is quick & easy with our online registration form at http://kennesawmountaintrailclub.org/National_Trails_Day_Registration_Form.html. Sign up early & tell us how many people are in your group. We are also going to give you an opportunity to work that day on your favorite section of the Park - the North section (between Burnt Hickory and the Visitor Center), the Mid section (between Burnt Hickory and Dallas Highway) and the South section (between Dallas Highway and Powder Springs Rd.). We haven't finalized the specific projects in these areas, but with the help of the registration process, we can determine how many are interested in each section and can thus determine how many crews we will need in each area. So sign up as soon as possible, so that we can better plan how many crews we will be able support.

In addition, if trail maintenance is not your cup of tea, but you would still like to help, the registration form identifies additional areas in which you can volunteer your time. Again, sign up early!

Specific areas that we'll need help is during registration and manning information booths at various locations in the Park that day.

If you or your company would like to be a sponsor of the Event, please contact me at 770-516-9120 or via e-mail at faf1948@bellsouth.net and we can discuss the various options and work out details of publicity, etc. for your support - be it as part of advertising on the last page of this newsletter, banners on the day of the Event, etc. We currently have a membership of 450 that we e-mail the newsletter each month, along with it being available on our website.

Be sure to register by May 31st!

REI has donated several door prizes! Thank you, REI, for your support!!!!

Fred Feltmann

Chairman, National Trails Day, Kennesaw Mountain Battlefield National Park

"Earthworks" is published monthly by the Kennesaw Mountain Trails Corps.

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Additional Volunteers needed! Call today!

CALENDAR OF EVENTS

2ND SATURDAY WORKDAY, MAY 8, 2010

PARK SERVICE AREA

Time: 8:30 AM – 1:30 PM

PROJECTS:-- Backside of Little K.
-- Staircase install steps
-- Backside of Little K.
-- Other trail improvements
-- 3rd project -- TBD

NATIONAL TRAILS DAY, JUNE 5, 2010

PARK SERVICE AREA - LOOK FOR REGISTRATION TENTS!

TIME: 8:00 AM - 1:30 PM

PROJECTS - TBD

PRE-REGISTRATION REQUIRED TO DETERMINE NUMBER/LOCATION OF PROJECTS - [HTTP://WWW.KENNESAWMOUNTAINTRAILCLUB.ORG/NATIONAL_TRAILS_DAY_REGISTRATION_FORM.HTML](http://www.kennesawmountaintrailclub.org/National_Trails_Day_Registration_Form.html)

2ND SATURDAY WORKDAY, JULY, 10, 2010

PARK SERVICE AREA

Time: 8:30 AM – 1:30 PM

PROJECTS:-- TBD

Become a Kennesaw Mountain "Trail Helper!"

Join our special "*Trail Helpers*" e-mail list to stay up-to-date on all trail activities and occasional park announcements. Trail Helpers are special volunteers who support the Park in either of two ways:

- 1) "*Eyes & Ears*" program -- Trail Helpers can be valuable "eyes & ears" to monitor trails & report bad conditions, fallen trees, vandalism, etc. directly to the Trail Club. Eventually, you'll be able to submit your description of trail problems through our website.
- 2) "*Special Projects Team*" -- Trail Helpers will receive e-mails about opportunities to work on trail projects outside our monthly 2nd Sat. work day. With over 20 miles of trails, there's a lot more maintenance going on besides just our 2nd Sat. work days. Even though these projects are usually smaller in scale -- suited to groups of 8 -12 people -- they're typically high priority items that can't wait until the next monthly workday.

If you'd like to help the park by becoming a Trail Helper, please send an e-mail to TrailHelpers@KennesawMountainTrailClub.org with your full name & age (and any thing else you'd like us to know) and your request to be added to the Trail Helper program. The Kennesaw Mountain Trail Club values your privacy and does not share our mailing list with any other organizations.

So what about this tool called a McLeod?

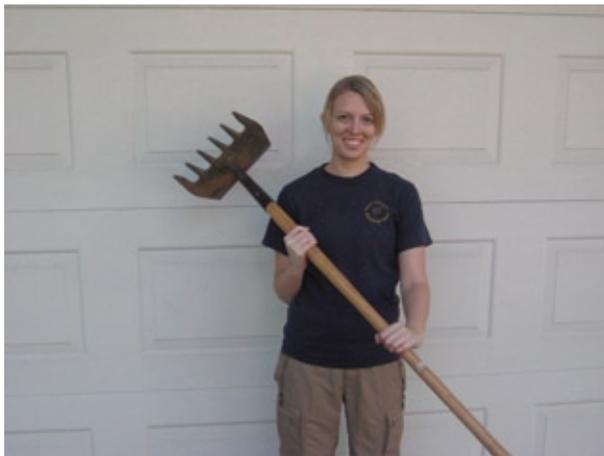
The Transfer Act of 1905 brought some focus in equipment development for the USDA Forest Service. Ranger Malcolm McLeod of the Sierra National Forest headed that effort. The "McLeod" tool was designed by Ranger McLeod that year.

The McLeod is a wildland firefighting tool with a large hoe-like blade on one side and tined blade on the other. It was originally intended for raking fire lines with the teeth and for cutting branches and sod with the sharpened hoe edge. Today firefighters still use the McLeod to cut through compacted vegetation on the ground and clearing loose surface materials.

The McLeod is useful for removing slough and berm from a trail and tamping or compacting tread. It can also be used to shape a trail's backslope.

Because of its shape, the McLeod is an awkward tool to transport and store. It is carried with the tines pointing toward the ground, and like other sharp tools, always positioned to be thrown clear in the event of a fall by the person carrying it.

Scott MacKay



Mark Your 2010 Calendars!

Remaining 2010 Work Day Schedule

May	8th	trail work day
June	5th	National Trails Day
July	10th	trail work day
Aug.	14th	trail work day
Sept.	11th	trail work day
Oct.	2nd	Hands on Atlanta Day
Oct.	9th	trail work day
Nov.	13th	trail work day
Dec.	11th	trail work day

We realize, as much as we'd like, that you can't make every one of our work days. However, please know that we appreciate whatever days that you can make, especially the Special days highlighted above.

The Kennesaw Mountain Trail Club is a group of volunteers dedicated to preserving the beauty & history of Kennesaw Mountain National Battlefield Park. We work closely with the Park Service and assist the park staff by providing critically needed volunteer effort to install signs, build bridges, and maintain the 20+ miles of trails.

Since our beginning in 2002, the Trail Club has donated over 35,000 volunteer hours to Kennesaw Mountain National Battlefield Park.

If your school, church, business, or community organization would like to schedule a special work day as a team building or public service activity, e-mail us at kmtctrails@kennesawmountaintrailclub.org at least 4 weeks in advance.

Learn more about our monthly trail work days and other programs by visiting the KMTC website at: www.kennesawmountaintrailclub.org.

We host trail work days open to the public on the 2nd Saturday of each month. We meet at the maintenance buildings up the hill from the Visitor Center at 8:30 a.m. and usually are finished by 1:00 p.m.

We hope to see you at a work day soon!

Jim Moylan

Trail Club Shirts and Merchandise Available

http://www.cafepress.com/kennesaw_trails

100% Cotton Denim Embroidered Shirt \$35.00



Support your club and Kennesaw Mountain National Battlefield Park by showing the colors. We have a selection of shirts both long-sleeved and short-sleeved available in our online Gear Store. 20% of the purchase price of any of our products goes directly to support the park.

The yellow tee shirt (\$17.99) with the club logo on the back has become the default standard uniform shirt for trail workdays. The bright yellow color stands out in the woods, and the logo is clearly visible when you are bent over swinging a Pulaski or a McCleod.

If you would like to have one or more shirts at this price, e-mail **Jay Dement** at kmtctees@kennesawmountaintrailclub.org with your name, size, and quantity of shirts. The Yellow shirt is available at a special price of \$15.00 during Trail Maintenance on the second Saturday of the month.

Reporting Your Hours - An Important Aspect of Volunteering!

"TIME = Money for the Park - Each Volunteer is currently worth more than \$20.00/hr."

Yes, we all are guilty - forgetting/neglecting to report our hours for working. How many hours did we REALLY work for the Park last year? Was it 500 hours, 2000, or maybe 5000???? Have you spent time outside of our 2nd Saturday Workdays helping the Park - e.g. spent time picking up trash, fixing drainage, helping with events, or club administration?

If you signed the roster at an event, your time is recorded. Otherwise you need to report it through the form on the website.

Youth Service Project candidates need to report total hours for their project to the Trail Club and to the Park before their project is considered complete.

Help us out this coming year - Please enter your hours on the website - it's currently near the top of the first page - or go directly to <http://kennesawmountaintrailclub.org/formmail.html>.

Contact List - Updated 10/09

POSITION NAME E-MAIL

President	Jerry Givan	kmtcpresident@kennesawmountaintrailclub.org
Vice President	Scott Mackay	kmtcvp@kennesawmountaintrailclub.org
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Membership Director	Anne Strand	kmtcmembership@kennesawmountaintrailclub.org
Outreach Director	Leah Urben	kmtcoutreach@kennesawmountaintrailclub.org
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T-Shirt Ordering	Jay Dement	kmtctees@kennesawmountaintrailclub.org
Trail Ambassadors		

Are You A Frequent Visitor To Kennesaw Mountain National Battlefield Park?

Trail Ambassadors are needed at Kennesaw Mountain National Battlefield Park!

As a frequent user of the Park, you can patrol on your usual routes and be available to assist park staff in helping other visitors. You can introduce them to aspects of the park including historic features, preservation, trail information, and Leave No Trace ethics.



You will be responsible for reporting any trail related problems or safety issues to park staff. You may also be asked to help greet visitors at the Visitor Center during busy times, especially on summer weekends.

Trail Ambassadors will participate in an orientation/training program on May 1. You will be outfitted with attire that will identify you as a Trail Ambassador once you have completed your training and made a commitment to the club and the national park.

Support your park! Give something back as a Kennesaw Mountain Trail Club Trail Ambassador!

For information on how you can become involved, contact Trail Ambassador **Jay Dement** at 770/499-7333 or jay@jaydphotos.com.

Our mission is to enhance the visitor experience of the park.

WE NEED YOUR HELP!

Trail Ambassador Information

The Trail Ambassador program was initiated by the Kennesaw Mountain Trail Club in November 2009. The Trail Ambassadors dress in khaki uniforms that clearly identify them as National Park Service volunteers as well as Trail Club members. They provide park and trail information and directions to park users. While patrolling the trails, they note any trail hazards and report them for park or trail club maintenance work. Trail Ambassadors have knowledge of the historical aspects of the park to share with visitors. They inform visitors of park regulations and contact park rangers (or other law enforcement authorities) in case of violations or emergencies.

Becoming a Trail Ambassador involves an interest in the park and its resources, a commitment of time each month, and a report of activities. Trail Ambassadors will be assigned to the Visitor Center on busy weekends. In order to provide volunteers with the knowledge and background needed, a training/orientation session is planned. The orientation will be provided by park staff and current Trail Ambassadors.

Trail Ambassador Orientation will be at the park Visitor Center on Saturday, May 1st, 10:00 am - 12:00 pm. If you plan to attend, please contact Trail Ambassador Recruiter, **Jay Dement**, at 770-499-7333 or at jay@jaydphotos.com.

Trail Ambassador Orientation

History and future of the Park

- The Battles around Kennesaw Mountain in 1864 in the broader context of the Civil War 1861-1865
- How the Park came to be
- Role of the National Park Service
- Park Initiatives in 2010 and beyond
- Challenges

Sections & trails of the Park: to include interpretive features and Park Resources

- Visitor's Center
- Trails: Visitor Center to Burnt Hickory Road
- Trails: Burnt Hickory Road to Dallas Highway
- Trails: Dallas Highway to Powder Springs Road

Responsibilities of Trail Ambassadors

- Provide information to visitors: FAQs
- Report trail conditions to trail club maintenance
- Report issues to NPS staff
- Emergency Procedures
- Commitment and potential schedule

Kennesaw Mountain Trail Club

<http://kennesawmountaintrailclub.org>

April 10th Workday Summary

Our April projects day set out to tackle three separate goals:

- 1) Complete the south causeway at John Ward Creek
- 2) Add drainage and parking spots to Bumby Trail between the Pigeon Mtn and Little Kennesaw Cut-off trails
- 3) Scout out and stage rocks for stairs and cribbing on Little Kennesaw



We had a great group of volunteers show up with one of the largest groups being the National Honor Society students from Pebblebrook High School. This was also the first weekend that all crew leaders were dressed in our new crew leader vests. All of our goals were accomplished and next month we start trail improvements to the south trail up Little Kennesaw.

Scott MacKay





First Year Plant



Second Year Plants

Comparison of 1st and 2nd year plants

Garlic Mustard

<http://www.ipm.msu.edu/garlicAbout.htm>

<http://www.invasive.org/species/subject.cfm?sub=3005>



Infestation of 2nd Year Plants on top of Kennesaw Mountain Last Year!



Newsletter 7

<http://kennesawmountaintrailclub.org>

Garlic Mustard Pull - March 27, 2010

Kennesaw Mountain National Battlefield Park



Volunteers and Park Staff who participated in the Garlic Mustard Pull this year.



Battle of Kolb's Farm June 22, 1864

When General John Bell Hood, CSA, launched this attack on his own initiative he was frustrated by the dug-in troops of Schofield and Hooker who had been warned of the attack by captured Confederates. Hood attacked with two divisions but heavy artillery fire and marshy terrain stalled his advance, ending the Battle of Kolb's farm.

The pictures are of the beaver dams and resulting swamp in the John Ward Creek basin today. This "marshy terrain" is what the Confederates were dealing with as they advanced in 1864.



Kennesaw Mountain Trail Club Hosts a Table at REI

Saturday April 3, 2010 we had a table at the Kennesaw REI promoting the Park and the club. There were almost 50 visitors that asked questions, received a map and learned about how they can volunteer and help the Park. It is hoped that we will gain several more people to help with Trail Maintenance and to become a Trail Ambassador. On hand were Anne & David Strand, Kerry Sustak, Melissa Mackay and Victor Williams.



Kennesaw Mountain Trail Club



in conjunction with
**Kennesaw Mountain
National Battlefield Park**
and the
American Hiking Society
present



National Trails Day

17th annual celebration of America's 200,000 miles of trails!

Saturday, June 5, 2010

**** 8 AM Registration ** Trail projects finish at 1:30 PM**

Kennesaw Mountain NBP has over 2,900 acres with over 20 miles of trails

Choose your favorite area in the park & PRE-REGISTER for the event at:

www.KennesawMountainTrailClub.org



Kennesaw Mountain National Battlefield Park
was established in 1933 to
commemorate the **Battle of Kennesaw
Mountain** fought in **June & July 1864**



The Kennesaw Mountain Trail Club is an all-volunteer group meeting once a month to provide critically needed services maintaining 20+ miles of trails, installing signs, & building bridges in the park.

Pre-Registration required for all!

Door prizes provided by RE!!!

****Please register by May 31, 2010 ****

For more information please [email:](mailto:KMTCtrails@KennesawMountainTrailClub.org)

KMTCtrails@KennesawMountainTrailClub.org



JUNIOR RANGER SUMMER DAY CAMP

The Junior Ranger Summer Day Camp is an opportunity for children to learn about American and environmental history in a fun, innovative way!

During the week, kids will be immersed in social and environmental history. Through hands-on activities, campers will learn what it was like to be Civil War soldiers and artillerymen and drill, march and learn weapon safety just as soldiers did 146 years ago! Kids will also experience civilian life through activities teaching about clothing, etiquette, food and outdoor cooking techniques of Victorian America.

When does this happen?

The camp takes place at Kennesaw Mountain National Battlefield Park for two Monday - Friday sessions:

- June 7-11 and June 14-18, 2010, 9 am - 4 pm daily.
- Children must be between ages 9 – 12 at the time of camp enrollment.

What Will this cost me??

- The camp is free and registration sheets may be found on the park's website, www.nps.gov/kemo.
- Space is limited and children will be accepted in order of receipt of registration sheets.

Registration begins April 1st.



Campers will learn about their local environment as well.

On guided hikes led by botany experts, campers will discover (and taste!) the site's edible landscape by exploring the Battlefield's nearly 3,000 acres of fields and woods. Additional archeology and "Leave No Trace" classes allow kids to understand their role in protecting precious landscapes.

Off-site programs include visits to other local national parks where site rangers will conduct special activities just for Kennesaw "Mountaineers." Through this unique combination of physical activity, hands-on creativity and a diverse yet cohesive subject matter, kids WILL grow to appreciate the story of their past and the natural world around them. At the end of our camp kids will not just be Junior Rangers...but Junior Ranger Mountaineers!

Sponsors/Partners Corner

Many thanks to our Sponsors and Partners for their support!

<http://americanhiking.org>



BARRETT PARKWAY AND TOWN CENTER AT COBB

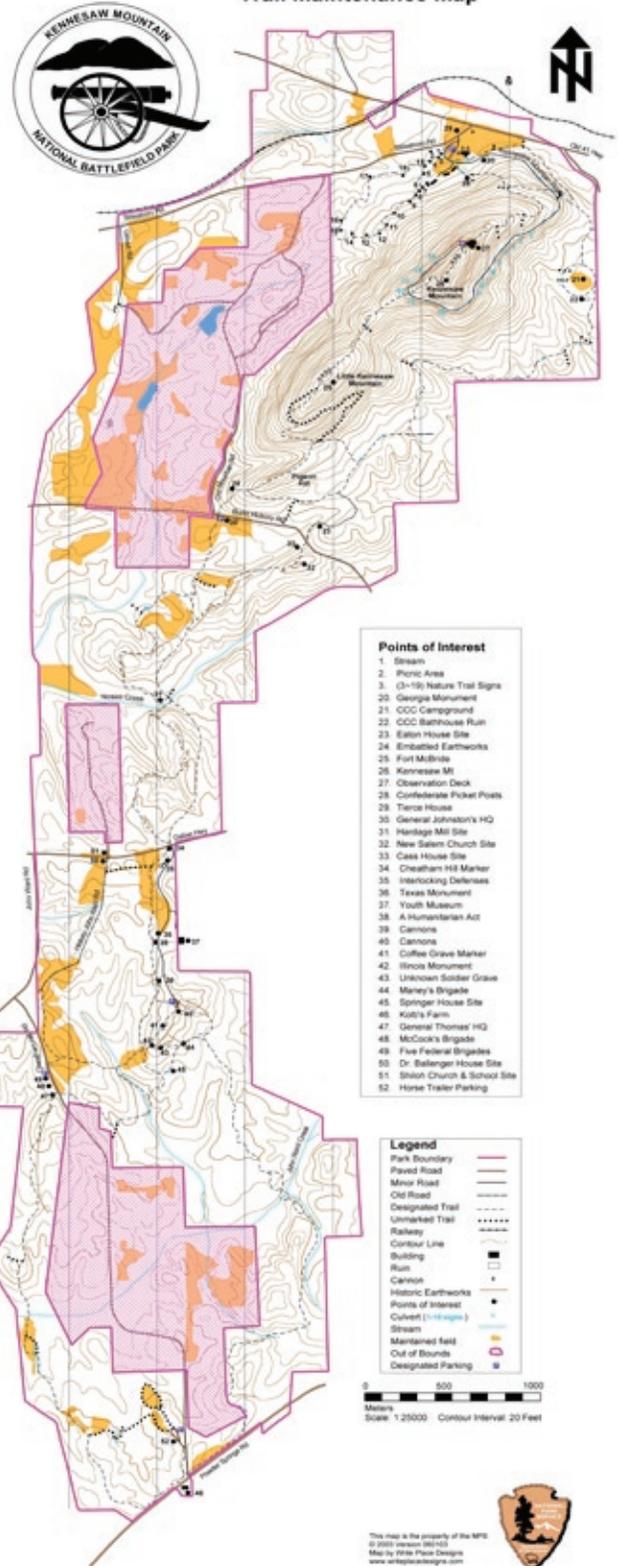


May Newsletter Deadline

If you wish to have an article published in the September Newsletter, please submit it to Fred Feltmann at faf1948@bellsouth.net no later than April 25th!

KENNESAW MOUNTAIN NATIONAL BATTLEFIELD PARK

Trail Maintenance Map



- Points of Interest**
- Stream
 - Picnic Area
 - (3-16) Nature Trail Signs
 - Georgia Monument
 - CCC Campground
 - CCC Bathhouse Run
 - Edson House Site
 - Embattled Earthworks
 - Fort Mubria
 - Kennesaw Mt
 - Observation Deck
 - Confederate Picket Posts
 - Tierce House
 - General Johnston's HQ
 - Heritage Mill Site
 - New Salem Church Site
 - Cass House Site
 - Chatham Hill Marker
 - Introducing Defenses
 - Texas Monument
 - Youth Museum
 - A Humanitarian Act
 - Cannon
 - Cannon
 - Coffee Grave Marker
 - Stoos Monument
 - Unknown Soldier Grave
 - Mayer's Brigade
 - Springer House Site
 - Kitt's Farm
 - General Thomas' HQ
 - McCook's Brigade
 - Five Federal Brigades
 - Dr. Bellenger House Site
 - Shoah Church & School Site
 - Horse Trailer Parking

- Legend**
- Park Boundary
 - Paved Road
 - Minor Road
 - Old Road
 - Designated Trail
 - Unmarked Trail
 - Railway
 - Contour Line
 - Building
 - Run
 - Canyon
 - Historic Earthworks
 - Points of Interest
 - Culvert (1-16) (1-16)
 - Stream
 - Maintained Field
 - Out of Bounds
 - Designated Parking

Scale: 1:25000 Contour Interval: 20 Feet

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Local in Touch, Global in Reach

HLB Gross Collins, P.C.