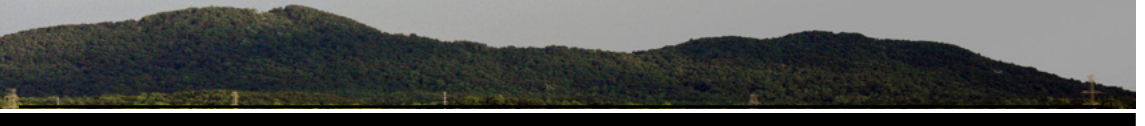




EARTHWORKS



Volume 13, Issue 2

February, 2019

Kudos To Our Park Visitors and Our Crew Leaders and Trail Ambassadors

Many thanks to our Park visitors who have pitched in picked up trash along our trails and at the Visitor Center during the Park shutdown. Also, while our Trail Club Members can't officially do the same thing, they have been in fact out there as well doing what they can.

The Marietta Daily Journal did catch up with a couple of visitors:

https://www.mdjonline.com/news/local-friends-pitch-in-to-clean-trail-during-shutdown/article_a0e8d9f8-1918-11e9-a995-c37c0d0de0ff.html#utm_source=mdjonline.com&utm_campaign=%2Fnewsletters%2Fheadlines%2F%3F-dc%3D1547638202&utm_medium=email&utm_content=read%20more



Fred Feltmann

Communications Director

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February 9 Work Day Plans

On February 9 we will be working on the Camp Brumby Trail from just north of Milepost 4.5 (about 3/8 of a mile past Camp Brumby) to the uphill section just past the little creek at about mile 3.7 or so. We will meet at the amphitheater at 8:30 am. Registration opens at 8 am in the Highway 41 parking lot. Please register online prior to February 5th, so that we know how many to expect.

Projects include:

- Deberming the trail to allow water to flow off of the trail
- Clear building sites at Camp Brumby
- Rebuild some fence sections
- Clear parts of the forest service road of obstructions.

Check our website - www.kennesawmountaintrailclub.org, for weather related info. If there is a rain day cancellation, we are tentatively scheduling a make-up date for February 16th.

Trail Skills Workshop - Rescheduled

The Kennesaw Mountain Trail Club will begin 2019 with two class offerings to enhance the knowledge and leadership skills of our volunteers on the trails.

On **Saturday, February 2nd**, from 9:15 am - 4 pm, the trail club will hold a Trails Skills Workshop in the education room of the KEMO Visitor Center. All crew leaders, prospective crew leaders, Trail Ambassadors, staff and any KMTC volunteer who would like to learn more about sustainable trail maintenance are invited to attend. The workshop will be led by Jay Dement. Jay has years of trail maintenance experience, is a long-time KMTC volunteer and is currently the President of the Georgia Appalachian Trail Club. Some of the workshop topics will include safety on the trails, water diversion techniques, and sustainable trail maintenance. The class will spend a few hours inside looking at examples of good trail work, then get out in the woods for a short project. Please email the KMTC volunteer coordinator at membership@kennesawmountaintrailclub.org to register. You will be sent a confirm email with further instructions for the class.

Crew Leader Training Class

On **Saturday, March 2nd**, from 9:15 am - 12 pm, the trail club will hold a crew leader orientation class in the education room of the KEMO Visitor Center. All current crew leaders, prospective crew leaders, and any KMTC volunteer interested in becoming

Continued on Page 2

Crew Leader Training Class Continued from Page 1

a crew leader is invited to attend. The orientation will be led by KMTC co-founder and crew leader Jerry Given. Participants will spend time talking about the expectations of a crew leader, proper crew management, as well as, what the park expectations are for a crew leader. Please email the KMTC volunteer coordinator at membership@kennesawmountaintrailclub.org to register. You will be sent a confirm email with further instructions for the class.

Trail Ambassador Updates January 2019

The only proper beginning to 2019 is to express my deepest appreciation to all of you for your support to the club and to the park over the past year. During the past few weeks while the park has been closed, I know there are Trail Ambassadors still hiking the trails, picking up trash, answering questions and helping visitors even though they are not in uniform. Your dedication is exemplary.

For the first quarter of fiscal year 2019 Trail Ambassadors and candidates supported the October trail work day, 1 artillery demonstration, 1 infantry demonstration, 2 field trips, 1 Kid Craft, the Marietta Mentoring for Leadership, and 1 Ranger led hike. Three scheduled field trips, the November and December work days were cancelled due to inclement weather. Ranger Amanda Corman and I conducted 1 TA orientation.

Currently, we have 62 Trail Ambassadors. Since October 2018 we added 4 new Trail Ambassadors. Please welcome Kelly Burke, Justin Lee, James Burt and Ted Spetnagel. There are 6 TA candidates who have partially completed the requirements and 12 who have contacted me for information but have not yet started the requirements.

I will not see you at the February 9th trail work day. I was invited to attend the annual Trail Ambassador meeting of the Georgia Appalachian Trail Club. I will report back to the group after the meeting.

Janie Brier

Director, Trail Ambassadors

“**Earthworks**” is published monthly by the Kennesaw Mountain Trails Club.

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Additional Volunteers needed! Call today!

Contact List - Updated 11/2/18

<u>POSITION</u>	<u>NAME</u>	<u>E-MAIL</u>
President	Donald Olds	president@kennesawmountaintrailclub.org
Vice President	Bill Gurry	vp@kennesawmountaintrailclub.org
Secretary	Robert Brier	secretary@kennesawmountaintrailclub.org
Treasurer	Tom Okerberg	treasurer@kennesawmountaintrailclub.org
Director, Program Planning	Jay Haney	programplanning@kennesawmountaintrailclub.org
Trails Director	Vacant	trails@kennesawmountaintrailclub.org
Community Volunteer Director	Rena Bailey	membership@kennesawmountaintrailclub.org
Communications Director	Fred Feltmann	comdirector@kennesawmountaintrailclub.org
Newsletter Editor	Fred Feltmann	comdirector@kennesawmountaintrailclub.org
Information/Technology Director	Jerry Givan	webmaster@kennesawmountaintrailclub.org
Trail Ambassador Director	Janie Brier	ambassador@kennesawmountaintrailclub.org
Plants Director	Danny Leigh	plants@kennesawmountaintrailclub.org
Fundraising Director	Scott Mackay	fundraising@kennesawmountaintrailclub.org
Amazon Smile Website		https://smile.amazon.com/
Facebook Page		http://kennesawmountaintrailclub.org http://www.facebook.com/kmtcsocial
Volunteer Sign-up website*		http://signup.com/go/VvavYQj

* updated

A Special Thanks!

Each year we have various groups who come out and help us. Henceforth, we will make every attempt to list your group here for the current/past fiscal year. If you are participating as a group, be sure to let us know when you are registering!

Following is a list, in alphabetical order, of the groups who participated during Fiscal 2018 (October 2017- September 2018 and Fiscal 2018 (October 2018- Present):

FY 2018

ATLANTA OUTDOOR CLUB
ALLATOONA HIGH SCHOOL HONOR SOCIETY
ALLATOONA HS NJROTC
BETA ALPHA PSI FROM KSU
BSA TROOP 75
BSA TROOP 17, ARAGON, GA
BSA TROOP 1011
CAMPBELL HS
HARRISON HIGH SCHOOL
HILLGROVE HS NJROTC
KENNESAW MOUNTAIN HS NJROTC
KENNESAW MOUNTAIN HS KEY CLUB
KENNESAW MOUNTAIN HS AP MAGNET ENVIRONMENTAL SCIENCE CLASS
KSU
KSU BETA ALPHA PSI
KSU PHI SIGMA PI
PACK 405, McEACHERN UMC
PHI SIGMA PI FROM KSU
POPE HS HONOR SOCIETY
POPE HS SCIENCE NATIONAL HONOR SOCIETY
SERVICE DAY - KSU
SWINERTON CARE CREW
U.S. ARMY TRAINING CLASS
VENTURE CREW 540
VOLUNTEER KSU
WALKER SCHOOL
WOODSTOCK HS NJROTC



FY 2019

ALLATOONA HS NJROTC
BOY SCOUT TROOP 144 (EAGLE SCOUT PROJECT)
BOY SCOUT TROOP 200 (EAGLE SCOUT PROJECT)
BOY SCOUT TROOP 277 (EAGLE SCOUT PROJECT)
BOY SCOUT TROOP 287 (EAGLE SCOUT PROJECT) (2 PROJECTS)
BOY SCOUT TROOP 445 (EAGLE SCOUT PROJECT)
BOY SCOUT TROOP 540 (EAGLE SCOUT PROJECT) (2 PROJECTS)
BOY SCOUT TROOP 545 (EAGLE SCOUT PROJECT)
BOY SCOUT TROOP 700 (EAGLE SCOUT PROJECT)
BOY SCOUT TROOP 797

CUB SCOUT PACK 204, MARIETTA
FLIGHTWORKS
HILLGROVE HS NJROTC
KENNESAW MOUNTAIN HS NJROTC
KSU BETA ALPHA PSI
MT PARAN CHURCH
VOLUNTEER KSU
WOODSTOCK HS NJROTC

The December Work Day was cancelled because of weather. The January Work Day and it's rescheduled date were cancelled as a result of both rain and the current government shutdown. WE currently plan to have a make-up date if the regularly scheduled February and March work days are cancelled.

We wish to also wish to thank all of the park visitors who donated their time to maintaining the park during the shutdown!

Congressman Loudermilk Continues To Work To Expand Park Lands

The Marietta Daily Journal and TV Channel Fox5 recently published the following story regarding Congressman Loudermilk's continuing efforts to expand the property that makes up Kennesaw Mountain National Battlefield Park:

<http://amp.fox5atlanta.com/news/federal-act-could-expand-kennesaw-mountain-national-battlefield-park>

Temporary Parking Lot Closures

Now that the Park is open again, just need to remind you that the paving of the Mountain Road, the Visitor Parking Lot and the Old Highway Parking Lot has not yet been completed. Therefore, the Mountain Road is currently closed for all vehicular traffic, except the Park Bus,



which operates on weekends. So, please visit the www.nps.gov/kemo website to find out the current schedule for the closure of these parking lots.



2018 Fund Raising

Your volunteer hours help greatly for the many projects we do in the park and we greatly appreciate you contributing your “sweat equity” alongside our 40+ staff volunteers who routinely support each event. We are a non-profit all volunteer organization. However, like any business, we do have bills to pay.

Many of our projects are funded by the park or through grants we apply for. These funds are typically targeted for specific projects and do cover the big expenses such as rocks, stone dust, dirt, wood beams, bridges, fences, and such. But, after all the big stuff is paid for, we still have need to cover our day-to-day operating expenses for things like saw blade sharpening, fuel, tool repairs, equipment maintenance, work gloves, bug spray, drinking water, snacks, and porta-potties. For these expenses, we rely on your donations.

Each year we kick off a new round of fund raising and this is the 2018 big “ask”. We need your help with this, even small donations help.

As we approach our 16th year in operation, we ask you to please think ‘15’, like \$15.. \$30.. \$45..... \$150... \$1500. All donations to the Trail Club support our work at the park, and are tax deductible.

We are a nationally recognized club - having been presented the highest award in the National Park Service in 2014, “The Hartzog Award for Volunteer Group.”. There are several ways to donate:

- Use Guidestar on the bottom of our home page on the Trail Club website <http://www.kennesawmountaintrailclub.org>
- Subscribe to Amazon “Smile” where they will donate to us based on your purchases
- Send a tax deductible contribution to:

Kennesaw Mountain Trail Club*
Attn: Tom Okerberg
Whitlock Accounting Services
739 Kennesaw Avenue NW
Marietta, Ga. 30060

ALSO: Please check with employers about matching donations.

* Corporate name is KEMO Trail Corps, Inc., a 501(c)(3) organization.



Kennesaw Mountain Trail Club Calendar

<u>Date</u>	<u>Time</u>	<u>Location</u>	<u>Event</u>
February, 2019			
2/2	9:15 am - 4:00 pm	Education Rm, Visitor Center	Trail Skills Workshop
2/9	8:00 am - 12 pm	Amphitheater, Visitor Center	Trail Work Day
March, 2019			
3/2	9:15 am - 12 pm	Education Rm, Visitor Center	Crew Leader Orientation Class
3/9	8:00 am - 12 pm	TBD	Trail Work Day

2019 Georgia Battlefields Tour

The Georgia Battlefields Association, Inc. annual bus tour with Ed Bearss will concentrate on the cavalry battles south of Atlanta in July and August, 1864 and the decisive Battle of Jonesborough (wartime spelling) that led to the fall of Atlanta and the eventual reelection of Abraham Lincoln. The cavalry battlefields include Sunshine Church, Brown's Mill Lovejoy's Station, and Macon (Fort Hawkins). The tour will also cover sites in Newnan, Madison, dinner in the T.R.R. House, and other related sites.

The tour will begin with a reception on Thursday evening, March 7 and continue through noon on Sunday, March 10. For information check out www.georgiabattlefields.org or contact Bill Gurry.

Register for Our Work Days!

Be sure to register online for our Work Days at [http://
signup.com/go/VvavYQj](http://signup.com/go/VvavYQj). By registering, we can be better prepared with the amount of tools, bottled water, gloves, etc. on hand.



Mark Your Calendars!

Upcoming Work Day Schedule:

Our trail work days are open to the public on the 2nd Saturday of each month and are a wonderful way to get outside & enjoy nature while helping preserve the national park for future visitors. Registration will open at 8:00 am at the new parking lot, .2 miles north of the Visitor Center on Old 41 and usually are finished by 12:00 p.m. It takes approximately 5 minutes to walk to the picnic area near the Visitor Center - please arrive there by 8:30 am. Activities usually include the use of shovels, rakes, picks, and other tools to fix erosion problems on the 20+ mile trail system. Please do not wear open-toed shoes. Long pants are recommended.

As winter months approach, weather conditions can change quickly. We value our volunteers' health, comfort and safety so to promote safer work conditions, we'll cancel work days if the temperature is below 40 degrees and/or there's a high probability of precipitation. If we must cancel a workday,

we'll post an announcement on the front page of the KMTC website at: www.kennesawmountaintrailclub.org

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](mailto:kmtctrails@kennesawmountaintrailclub.org) at least 4 weeks in advance. Trail work can be performed any day of the week.

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 45,000 volunteer hours to Kennesaw Mountain National Battlefield Park.

We hope to see you at a work day soon!

Impact Of Rainfall And Development On Kennesaw Mountain Trail Work

By Jay Haney

It sure seemed like it rained all the time in 2018. That is because Atlanta had 117 days of rain in 2018. The average is 78 days of rain per year. We also had the second most rainfall recorded, 70.03 inches. Only 1964 beat that with 70.66. With more rain and more rain days, it is not surprising that we had to cancel several 2nd Saturday work days.

The National Weather Service has been recording annual rainfall since 1895. For Atlanta:

- The average annual rainfall for the last 30 years is 49.71 inches.
- Amounts range from a low of 30.99 inches (1954) to a high of 70.66 (1964)
- Since 1895, of the ten driest years, 6 have been during the operation of the Kennesaw Mountain Trail Club. GA was in an historic drought from 2006 to 2013.

The Cobb County Storm Water Management Department records intense levels of storm water run-off. Upstream development from the Park will continue to increase each year. With more roofs, parking lots and roads, rain water runs into Park streams faster causing flash floods during episodes of heavy rain.

Using the above sources an historical perspective can be produced.

2002	50.72 inches of rainfall. Trail Club begins operation		
2003	57.85		
2004	52.51		
			<ul style="list-style-type: none">• September 7- Hurricane Francis caused a Federal Disaster Declaration but only minimal flooding in Cobb County.• September 16- Hurricane Ivan caused widespread flooding in central and northeast Cobb County. Numerous roads flooded in Cobb County with 4 -8 inches of rainfall over a 2 hour period.• September 28- Hurricane Jean brushed by Cobb County causing minor flooding
2005	56.52		
			<ul style="list-style-type: none">• July 11- Hurricane Dennis hit Cobb County and dropped 12–14 inches of rainfall in southwestern Cobb County. Approximately 400 properties were flooded and over 70 homes were damaged. <u>This flooding destroyed the Barfield Bottom boardwalk and bridge over John Ward Creek.</u>
2006	40.63 10 th driest		
2007	39.08 5 th driest		
2008	41.43 14 th driest		
2009	53.54		
			<ul style="list-style-type: none">• September 21– Catastrophic flooding in Cobb County in which some 1600 homes were flooded. Close to 100 homes in Unincorporated Cobb; over 84 homes in the City of Austell and over 16 homes in the City of Powder Springs sustained “substantial damage”. Southwestern portions of the county in and around the City of Austell at the Paulding – Douglas – Cobb County line received rainfalls in excess of 20 inches within a 24 hour period. USGS estimated this storm was well above the 500 year recurrence interval. National Weather Service straight-line projections put this storm at the 10,000 year recurrence interval.
2010	40.15 6 th driest	2016	38.7 5 th driest
2011	36.67 4 th driest	2017	52.48 near normal
2012	40.23 7 th driest	2018	70.03 2 nd wettest, only 1964 was higher
2013	49.67 near normal		<ul style="list-style-type: none">• October 10 – Hurricane Michael dropped over 3 inches of rain. There was some local flooding in Cobb County.
2014	47.62 near normal		
2015	68.38 4 th wettest		



A Day At The Park....

The Trail Club is not the only volunteer organization at the Park:

Top, left - Phillip Whiteman conducts a Museum Tour at the Visitor Center.

Top, right - a volunteer provides an overview of the battle at Cheatham Hill and the Illinois Monument.

Of course there are always Nature's display - left, a dogwood blossom.

And there is always artillery - 24-gun battery, below.



Sponsors/Partners Corner

Many thanks to our Sponsors and Partners for their support!

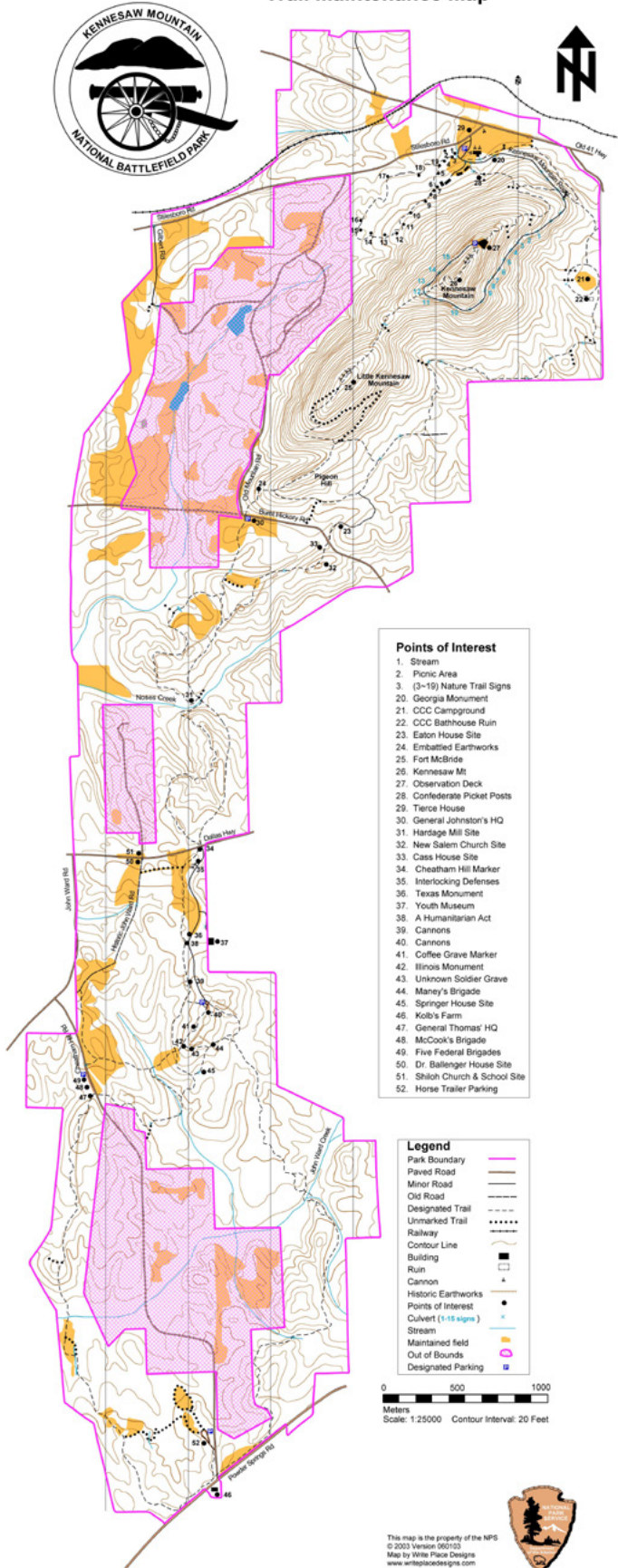


<http://americanhiking.org>



KENNESAW MOUNTAIN NATIONAL BATTLEFIELD PARK

Trail Maintenance Map



March Newsletter Deadline

If you wish to have an article published in the March Newsletter, please submit it to Fred Feltmann at faf1948@bellsouth.net no later than February 20th!