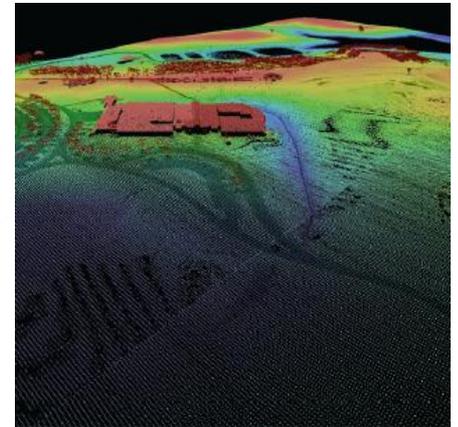
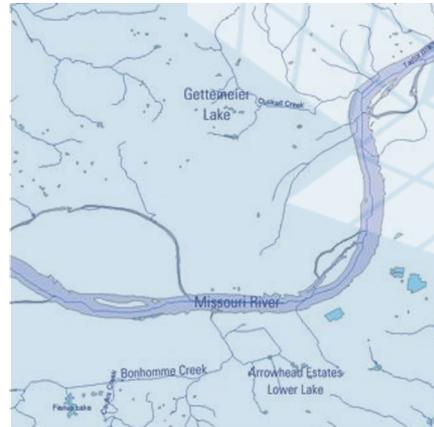
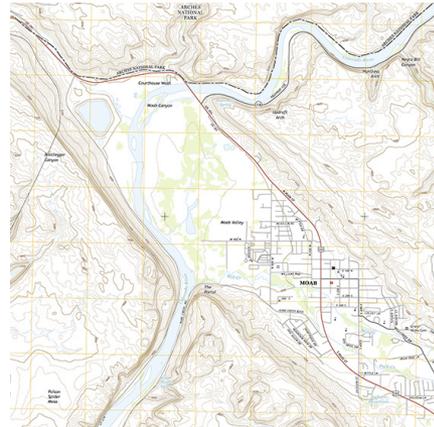




Crowdsourcing The National Map



Take Your Kids to Work / Earth Day / Citizen Science Month

April 23, 2020

Erin Korris

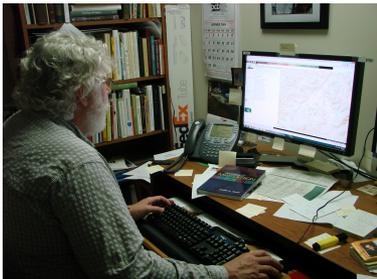


The National Map Corps

Using an online web mapping application, volunteers update structures in support of The National Map & US Topo Maps



- Participants - General Public
- Easy registration - username and email address (OAuth)
- All materials online (i.e. user guide, Q&A)
- Process - Verify, update, add or delete points
 - Required: Check location and Name
 - Optional: Address, City, Zip



Data collected: downloadable, freely available, and in the public domain.



Current Scope

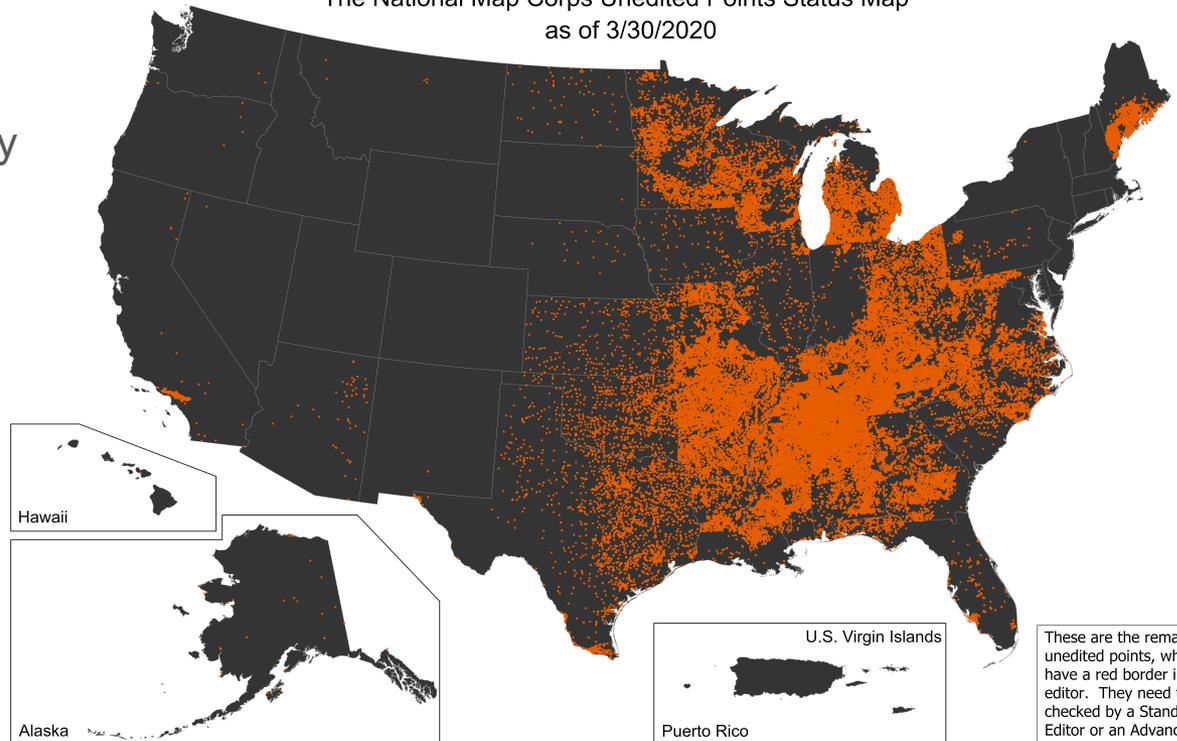
■ All 50 states, PR, and USVI

■ Structure types

- School
- College/University
- Fire Station/EMS
- Law Enforcement
- Prison/Correctional Facility
- State Capitol
- Hospital/Medical Center
- Ambulance Service
- Cemetery
- Post Office
- Courthouses
- City/Town Hall



The National Map Corps Unedited Points Status Map as of 3/30/2020



These are the remaining unedited points, which have a red border in the editor. They need to be checked by a Standard Editor or an Advanced Editor.

+ Recruitment and Engagement

- Social media
- USGS news releases
- Volunteer opportunity websites (volunteer.gov, VolunteerMatch, SciStarter, etc.)
- Conferences, publications, presentations
- Newsletters
- Communication
 - Email
 - Q&A

Welcome to the TNMCorps Q&A community!

All Questions

1	1	11	Public Attractions Icon
	answer	views	attractions public
1	2	35	Hospitals - Historic
	vote	answers	hospital
2	1	36	Columbarium
	votes	answer	cemetery columbarium
1	4	105	Identifying Cemeteries
	vote	answers	cemetery
1	3	639	How can I filter unedit
	vote	answers	filter query
0	2	862	Prison or Jail?
	votes	answers	jail prison



TNMCorps News

VOLUME 4, ISSUE 1 THE NATIONAL MAP CORPS JANUARY 2018

2017: Year in Review

The National Map Corps 2017 Contributions

Contributions by Role

- Standard Editor
- Peer Reviewed
- Advanced Edited
- Approved

US Virgin Islands, Hawaii, Puerto Rico

INSIDE THIS ISSUE

- 2017: Year in Review
- Fending off the Winter Blues
- Courthouse Pilot Project
- Making the Call
- Resources Review
- More than a Dot on the Map: Curay County Courthouse
- Aerial Photo Interpretation Part 3: Fire Stations/EMAS
- Blast from the Past: Earth Science Corps
- TNMCorps Cryptogram
- Recognition

2017	ESTIMATED VOLUNTEER HOURS	16,914
2017	EQUIVALENT FULL TIME EMPLOYEES	8
ALL TIME	ESTIMATED VOLUNTEER HOURS	61,669
ALL TIME	EQUIVALENT FULL TIME EMPLOYEES	30

Edit Summary by Role

2017	TOTAL EDITS	94,275
ALL TIME	TOTAL EDITS	409,596

Review Queue

97.15% EDIT ACCEPTANCE RATE

106,494 Accepted Edits

USGS ADMIN 1,286

1,300 New Editors
724 Contributing Editors
6 Newsletters
5 Mapping Challenges
379 Recognition Badges

TNMCorps was highlighted 5x during USGS Mapping Month!!



Engagement

- Welcome emails
- Structure Finder
- New content (e.g. courthouses)
- Volunteer stories/articles

New TNMCorps Editor - WELCOME! Welcome Emails x

GS-N-NGTOC Volunteer Geographic Information <nationalmapcorps@usgs.gov Tue, Jul 10, 7:30 AM (7 days ago)

Hi shellding!

Thank you for your interest in [The National Map Corps](#) and welcome to the team! The National Map Corps (TNMCorps) is a community of volunteers who review and confirm the structures data that is part of [The National Map](#) and gets published on [USGS Topo Maps](#). So by participating in TNMCorps, you're actually considered a [citizen scientist!](#) (That's one for your resume... 😊)

As you setup your user account, we've highlighted a few pieces to help you become familiar with the Web Editor:

OVERVIEW: What Will I Be Doing?

- The [User Guide](#) provides a thorough review of the Editor and the editing process.
- For a quick overview, check out our [QuickStart Guide](#).
- Here is a [List of Structures](#) that we currently publish on our maps and use this process to collect.
- Our [Map Challenges](#) identify areas that need to be edited, and are a good place for new users to start.

New users, also called [Standard Editors](#), should start out by editing points with a **red border**. To find these unedited points, use our handy dropdown menu in the [Edit tab](#). Click on the dropdown menu and select 'Unedited Only' to identify the red points:



TNMCorps News Page 5

LTPZ's Son Places in Top 10 in Illinois GeoBee!

What do TNMCorps and the National Geographic GeoBee have in common? The answer is TNMCorps volunteer Lisa (LTPZ) and her son Andry!

On Friday, March 29th, 2019, my son Andry had the honor of being named by the [National Geographic Society](#) as one of the 2019 Illinois State Top-10 "GeoBee" Finalists in this year's annual [National Geographic State Competition](#).

For those who aren't familiar with the competition, the National Geographic "GeoBee" is now in its 31st year. It was developed by the National Geographic Society in 1988 to promote geographic knowledge among young people in the United States. It is an academic competition open to public, private, and homeschools in the United States and its territories, as well as the [Department of Defense Dependents Schools](#) (DDSS).

Annually, students in grades 4-8 from nearly 10,000 schools compete locally to determine their school champion and for the chance to be able to sit for the online qualifying exam. The National Geographic Society then uses that exam to invite up to 100 of the top-scoring students in each of the 50 states, the District of Columbia, Department of Defense Dependents Schools, and U.S. territories to compete at the State level (GeoBee Semifinals). The semifinalists then have a chance to qualify for one of the 10 spots on stage of the State Final, which are held later the same day. Placing in the Top-10 qualifies the students for a chance to win prizes like college scholarships and to represent their state at the national level championships, which are held in Washington DC.

As first glance, Andry is a typical seventh grader. Three times a week, he arrives with his trombone along with his classmates, for 7:00 am Symphonic Band rehearsal. The rest of his school day is like any other straight "A" student's at his school.

What does Andry want to be someday? Well, yesterday it was an astronaut. Today, it's an Aeronautical Engineer. Tomorrow? Who knows... but for now, with his love and knowledge of geography, and a little guidance from mom, Andry is hoping he too will be able to join TNMCorps!

As seen by the map which Andry drew when he was in first grade, he has been interested in mapping and the relationship between him, his environment, and the world around him, since an early age.

One of his fond early memories is GeoBeeing with his mom Lisa, when she was preparing to teach basic map & compass skills, or more advanced GPS navigation to scouts or other youth groups. Another fond memory is learning all the flags and capitals of all the countries of the world with his dad, Yuri. By the beginning of second grade Andry already knew all of them, and one of his favorite songs was about naming all the countries of the world.

Andry loves traveling and exploring new and/or rediscovering old places. In fact, his first trip was to Hawaii at only 6 weeks old, and was where he visited his first National Park site, [Volcanoes National Park](#), on the Big Island. Since then, he and his parents have traveled and explored countless locations in North America. So many, that with a little help from mom's love of the [Junior Ranger](#) program, Andry has earned a collection of well over 300 Junior Ranger badges and patches from locations as near as Chicago, and as far away as Alaska, Guam, Puerto Rico and Haiti.

When not traveling with his parents, Andry loves to read and watch programs like Star Trek, Home Gun - Will Travel, North Woods Law, Mysteries at the Museum, and channels like History, Discovery, and of course the Travel and National Geographic Channels.

Congratulations to Andry and Lisa! We are not surprised at all to find out that our amazing TNMCorps volunteers would have inclined kids! We are having fun looking forward to having them as future TNMCorps volunteers!

Continued on [next page](#)

Courthouse Badges are Here!

Back in our [July newsletter](#), we hinted at our soon-to-be-released Courthouse Pilot Project recognition badges. Well, the time has arrived!

To thank the dedicated volunteers who participated in the project, we've created 4 brand new badges. Check them out and see if your name is on the list!

Check out our [updated recognition page](#) for more information!

INSIDE THIS ISSUE

- 1 [Courthouse Badges are Here!](#)
- 2 [Volunteer Q&A: What's Your Favorite Structure to Edit?](#)
- 2 [New Structure Feature! Introducing City/Town Halls](#)
- 2 [New Mapping Challenge: Texas Law Enforcement](#)
- 3 [American Architecture Part 2](#)
- 6 [Aerial Photo Interpretation Part 2: Law Enforcement](#)
- 9 [TNMCorps Parade](#)
- 10 [Recognition](#)

Number of volunteers who earned each badge: 115



The National Map Corps

Structure Finder

Instructions and About

- ! Points that need to be edited
 - x Points that need to be peer-reviewed
- Generate Random Point
- Standard Edit
- Peer Review

The purple circles represent clustered points. The number shown is the number of clustered points. Zoom in or click to see all of the points.

Updated in Real Time

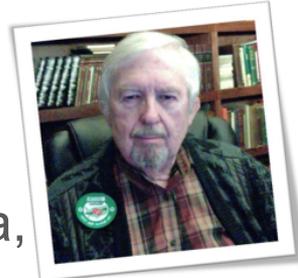


The National Map
Your Source for Topographic Information

+ Participant Motivation

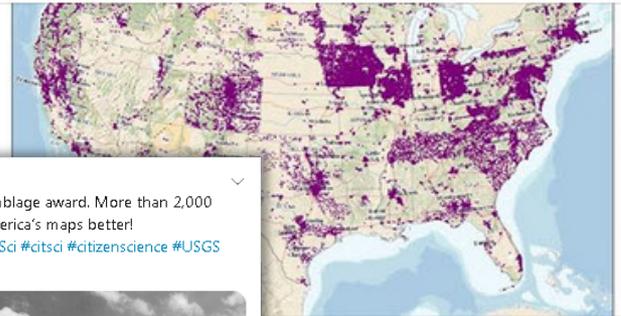
Recognition Program

- Earn virtual badges
- Recognition via social media, newsletters, websites

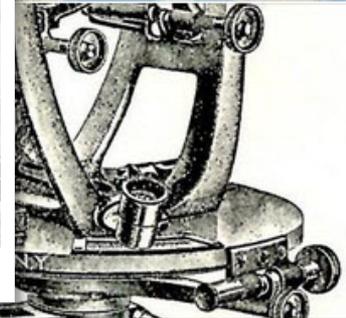


 U. S. Geological Survey (USGS)
September 11

Catching Mole Trapper: The USGS crowdsourcing project called The National Map Corps uses citizen scientists to validate or edit structures to improve topographic maps. To reward and recognize those volunteers, TNMCorps assigns points to the submissions which lead to virtual badges. One of the most active data providers to reach the top award, the Theodolite Assemblage, is Mole Trapper. "I am 80 years old. I work 3 days a week for a golf course trapping moles and gophers", he explained. "I spent 11 years volunteering for fish and wildlife. When the big slide at Oso, Washington happened I went on the USGS website and discovered the map corps. I worked summers while in high school for a surveyor who was very precise and who told me an inaccurate survey is worthless. I hate inaccurate maps so this program was just right for me. I hope my work is as accurate as I want it to be but if it isn't I plead old age. Good Mapping to all." You can assist Mole Trapper and contribute to The National Map. Join The National Corps to begin editing points today! <http://bit.ly/1e0VLu>



The National Map @USGSTNM · May 13
"Teri2115" has surpassed the Theodolite Assemblage award. More than 2,000 points submitted, as citizen scientists make America's maps better!
go.usa.gov/xnhrq #USGS #TNMCorps @FedCitSci #citsci #citizenscience #USGS #GIS #mapping



  1  5

Unlike · Comment · Share

 72 Shares

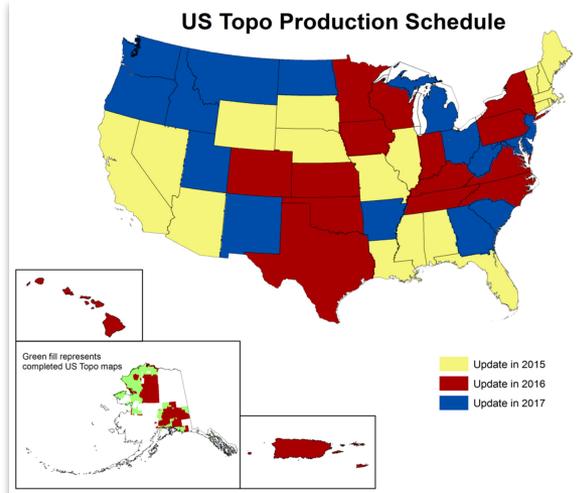
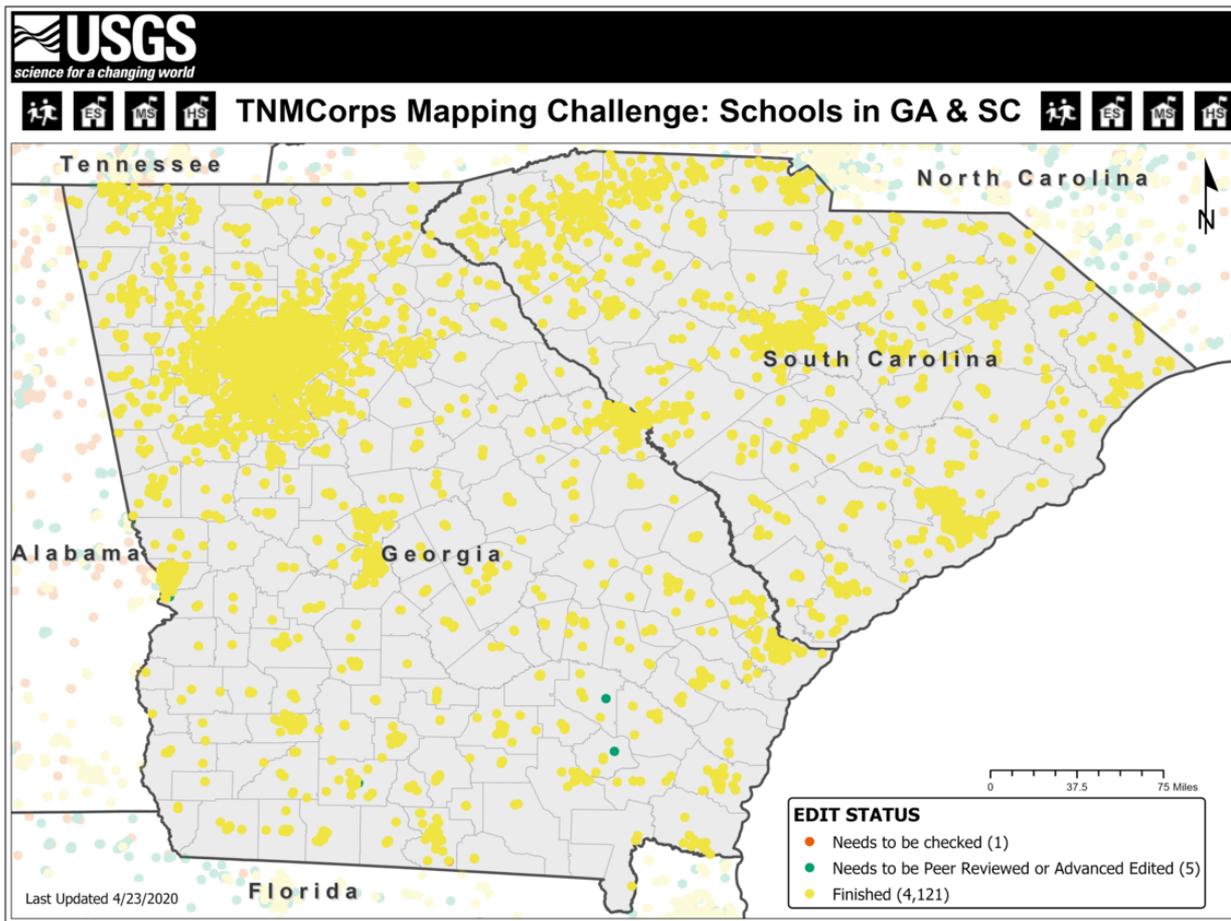
 You, Kathryn Yoder and 259 others like this.

[Top Comments](#) ·

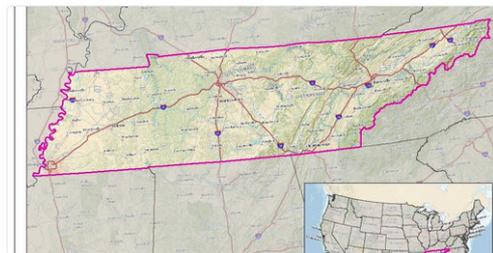


Participant Motivation / Engagement

Map Challenges & Focused Data Editing



The National Map @USGSTNM · Aug 13
 New #Mapping Challenge! Help #USGS #TNMCorps add #Prison points in #Tennessee bit.ly/12A0Vcp #GIS #VGI



The National Map @USGSTNM · Aug 12
 Thx to HGeisler & fconley for helping in #TNMCorps Okla. Panhandle #PostOffice #Mapping Challenge! bit.ly/12A0Vcp #GIS #USGS

<https://www.usgs.gov/center-news/tnmcorps-mapping-challenge-summary-results-city-town-hall-structures-mi>



The National Map
Your Source for Topographic Information

Current Communications Campaign

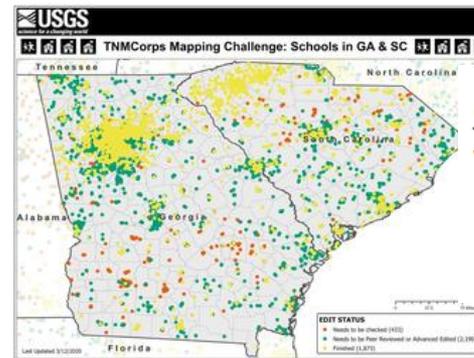
Ramping up during stay-at-home period and beyond

■ Step Up to the Challenge

- Instant results:
 - Huge spike in contributions

■ TNMCorps Tuesdays

- First post: “infomercial”
- Instant results:
 - 66 new accounts created **day** video aired (Tuesday)
 - Typically between 85-135 new accounts per **month**



Ongoing Challenges

We currently have four challenges taking place:

1. Schools in Georgia & South Carolina;
2. City / Town Halls in Georgia & South Carolina;
3. City / Town Halls in Louisiana, Mississippi, and Alabama; and
4. **NEW!** - Schools in Mississippi and Alabama

2020-03-13 - 2020-04-1



Export CSV Total edits: 15,331 Daily average: 494.55

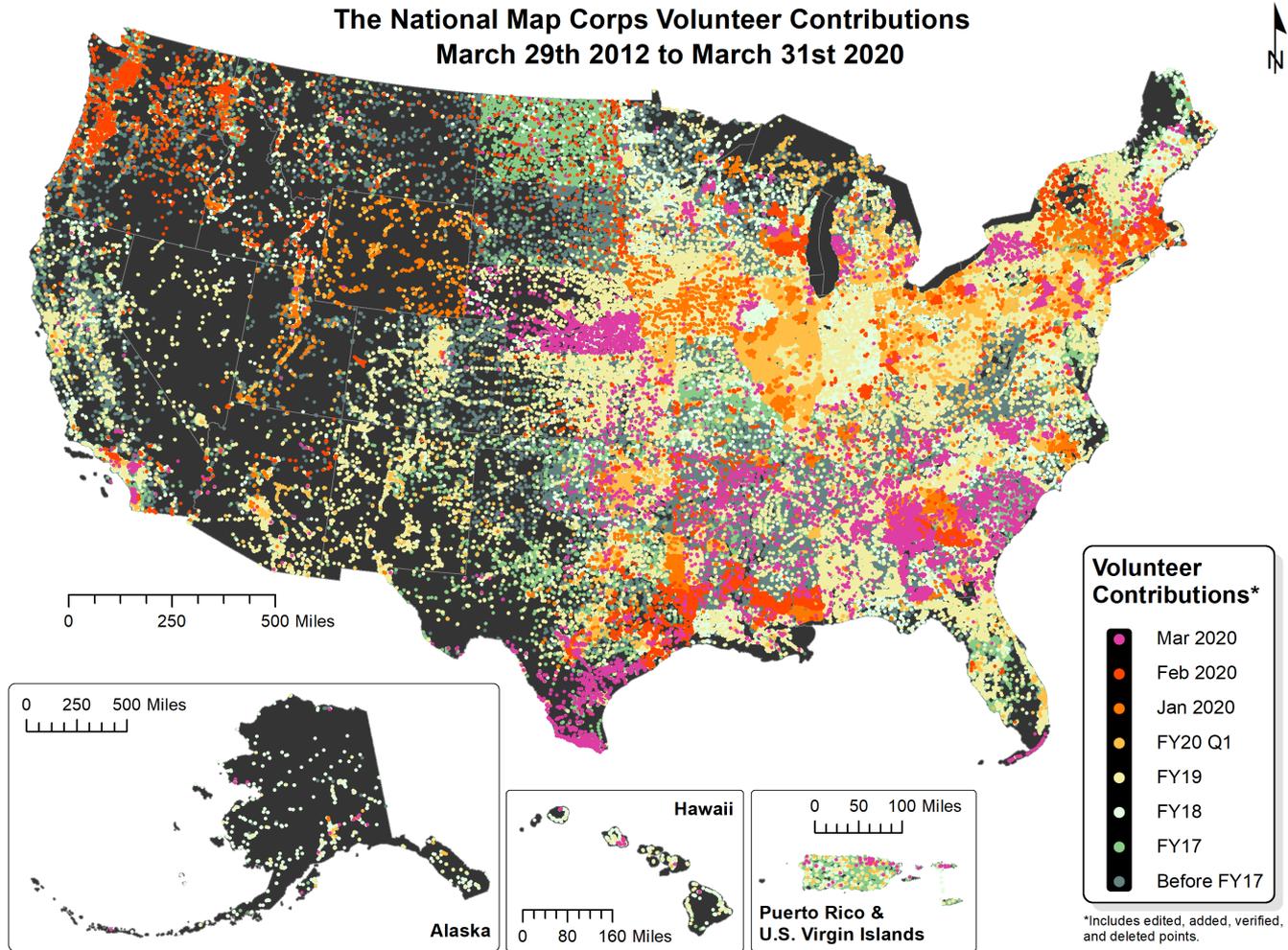
+ Video Promotion



<https://youtu.be/-ANP-n0Wrko>

+ Results

- 479,000+ points edited
- Over 2,000 contributing volunteers
- Daily editing average: 250-430 edits
- Conservatively equivalent to 46 FTE (full-time employees) over project lifetime
 - (or 5.8 annually)
- Proven data quality
- Supports the mission: The National Map and US Topo maps



+ Do some editing!

edits.nationalmap.gov/tnmcorps

- Easy to sign up and get started
- All materials (e.g. user guide) online
- No commitment
- It's fun! 😊



The screenshot displays the USGS National Map Editor interface. On the left is a sidebar with navigation icons. The main panel shows a grid of category icons for selection, including:

- College / University
- Elementary School
- Technical/Trade School
- General School
- High School
- Middle School
- Ambulance Service
- Fire Station / EMS
- Law Enforcement
- Prison / Correctional Facility
- Post Office
- Hospital / Medical Center
- Cemetery

Below the categories is a dropdown menu set to "All Points". An "Edit Status Key" is located at the bottom left of the main panel, showing color-coded circles for:

- Unedited (orange)
- Edited (green)
- Peer Reviewed (blue)
- Advanced Edited (pink)
- Approved (yellow)

The right side of the interface shows a satellite map view with a yellow crosshair. An inset map in the bottom right corner shows a topographic map of the same area with street names: WEISSHORN DR, SHOSH, AZTEC RD, SUPAI RD, and malee-Gulch.

+

Questions?

Editor: edits.nationalmap.gov/tnmcorps

Twitter: [@USGSTNM](https://twitter.com/USGSTNM) [#TNMCORPS](https://twitter.com/TNMCORPS)

nationalmapcorps@usgs.gov

ekorris@usgs.gov

