



## What structures would you like to see on The National Map?

The National Map Corps collects a variety of [structures](#) including schools, hospitals, police and fire departments, among others. As we look to expand the types of features we collect, with The National Map program priorities and goals in mind, we'd also love to hear what you wish we'd add for collection. We can't make any promises that it'll get added, but your interests may overlap with our existing list of potential features. We are currently considering expanding the types of features we collect, and we'd like to know what structures you want to see on The National Map!

Email us at [nationalmapcorps@usgs.gov](mailto:nationalmapcorps@usgs.gov) using the title "Structure Suggestion" and let us know what structures you want to see in the future. It can be anything from campgrounds to libraries!!



## Mapping Challenge Shout-out!

*Don't forget to check out our current Mapping Challenge!*

TNMCorps occasionally launches [Mapping Challenges](#) as a fun way to guide volunteers towards a specific feature type within a geographic area. Areas chosen for mapping challenges often need editing and correlate with the USGS [US Topo map](#) update schedule. For an inventory of past challenges, explore [here](#).

Our current mapping challenge focuses on [City / Town Halls in the Mid-Atlantic](#) (i.e., PA, NJ, and NY). City and town halls are a new feature type that TNMCorps started collecting within the last year. There isn't much "seed data" available for this feature type, so most of the points are being added from scratch. But fear not! The lack of seed data doesn't seem to deter our volunteers. So far, they've shown us that when it comes to adding data from scratch, they're up for the challenge!

See the article titled [Ensuring Data Completeness](#) in this issue for guidance on how to research and edit these features.

Not sure what a city or town hall is? Our [Structures List](#) provides an overview while our [project web page](#) contains an expanded version of these [structures definitions](#).

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## “Lots” of Zeros

In response to our "Neat Find: Zero for a Street Number" article in the [May newsletter](#), volunteer *Scott - KeyWest* reached out to share his own examples. He came across at least four "zero" street numbers in Key West, including [Zero Duval Street](#), [Zero Go Lane](#), [Zero Sunset Key Drive](#), and [Zero Simonton Street](#).

According to *Scott - KeyWest*, "In the instances I'm aware of, a 'zero' address was born from a lot split of the first lot on a street with a new building being added. They couldn't number it correctly without renumbering the entire block, so a 'zero' street address was assigned. One of these locations, [a large resort](#) at Zero Duval Street, uses its zero address to achieve some notoriety."



<https://keywest.floridaweekly.com/places/united-states/florida/key-west/dining-and-entertainment/hot-tin-roof/>

*Thanks for sharing your discovery, Scott - KeyWest! And if anyone else comes across something interesting or unusual while editing, we'd love to [hear about it!](#)*

## Ensuring Data Completeness

### *How to Compile a Checklist of City / Town Halls*

Since recently adding the city/town hall structure type to our growing list of features, our volunteers have taken off running by collecting and updating over 5,000 city and town hall points. That's a lot of points! But since much of the data is collected from scratch, how can we know that all city or town halls in any given state have been collected?

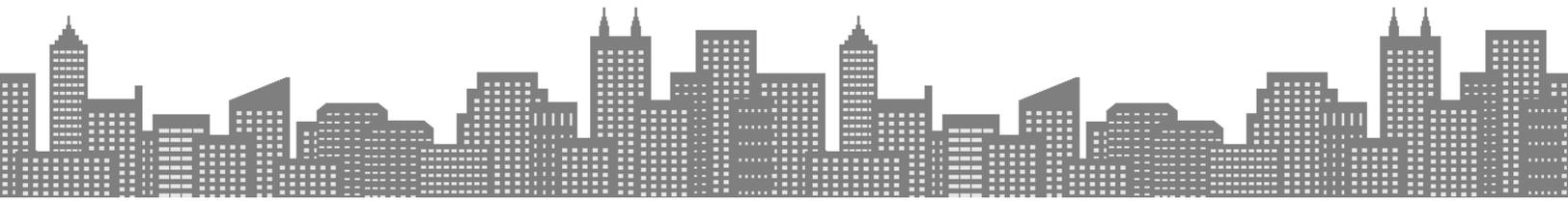
Data completeness is an important factor when collecting data from scratch, and one of the most efficient ways to ensure that a dataset is complete is to make a checklist.

**When researching city and town halls, checklists are important because:**

- 1** *They tell you how many different city websites you'll need to research*
- 2** *They help measure completeness, so you know when all the city or town halls in a state have been collected*

We've outlined two methodologies to help you make a city checklist: county by county and statewide. We've also included some important resources to assist with researching and editing city and town halls for the current [Mapping Challenge](#).

## Ensuring Data Completeness (Continued)



### Methodology 1: County by County

If you'd like a checklist that's broken down into digestible sections, then consider making a list of cities by county.

First, you'll research and compile a list of counties in a state. Preferably, you'll be able to find a list of counties on a government website, such as [New York State's List of Counties](#).

Then, you'll research a list of cities in each county. General internet searches for county names often return Wikipedia pages which list some or all cities, towns, and villages in the county (e.g., [Genesee County, New York - Wikipedia](#)). Preferably, you'll be able to find state websites (such as the one managed by [New York](#)) that maintain comprehensive lists of cities and towns by county.

### Methodology 2: Statewide

If you'd like a bigger challenge, then you may want to make a statewide list of cities and bypass the county list altogether.

First, you'll research an authoritative list of cities in a state. Official state websites often contain such lists. [New York](#) and [New Jersey](#) both have lists of municipalities on their state websites, and [Pennsylvania's Department of Community and Economic Development](#) also includes a [list of municipalities](#) in the state. [State municipal leagues](#) are another way to get a statewide list of cities.

### The Most Important Last Step

Once you have a comprehensive list of cities by county or state, you'll need to look up the [official websites](#) for each of the cities on your list to get information about the city or town hall serving [each municipality](#).

You'll then follow the steps for [adding a new feature](#) outlined in the [User Guide](#).

**Reminder!**

When creating a checklist, be wary of aggregate websites or information generated by web browsers. Such sources often produce outdated or incomplete details. Consult with [official authoritative sources](#) before adding any data to the map.

*If you're editing in New York, keep in mind that you'll also be looking for [town and village websites](#).*



## Closer Look at the Layers List

The layer list, located on the top right-hand side of The National Map Corps editor, is a handy tool for old and new users alike. Let's take a deep dive into what each of the layers do and why you might want to use them.

The top 6 layers under the lock button are the basemaps.



The screenshot shows a map with a layer list on the right. The list is titled 'Locked' and contains the following layers:

- The National Map Base Layer
- The National Map Imagery
- DigitalGlobe Imagery
- The National Map + Aerial Imagery
- ESRI Imagery
- NAIP Imagery
- Boundaries
- Quad Index
- USA Federal Lands
- Historical Topo
- Alaska Community Photos

Callout boxes provide details for the first six layers:

- 1. The National Map Base Layer** is a USGS basemap that shows contour lines, roads, water, county boundaries and many other mapped features. It does not show imagery. This layer is useful for checking the names of a specific area. This basemap covers the U.S., Puerto Rico, the U.S. Virgin Islands, and some U.S. territories.
- 2. The National Map Imagery** is a USGS orthoimagery layer consisting of high-resolution aerial images. This base layer covers the U.S., Puerto Rico, and the U.S. Virgin Islands. It is useful for ensuring the correct placement of a point on a building.
- 3. DigitalGlobe Imagery** is satellite imagery that is specifically for parts of Hawaii and Louisiana and supplements other image layers.
- 4. The National Map + Aerial Imagery layer** combines orthoimagery with other base map features, such as contours, roads, water features, state and county boundaries. This basemap covers the U.S., Puerto Rico, the U.S. Virgin Islands, and some U.S. territories.
- 5. ESRI Imagery** is a satellite imagery layer covering the U.S., Puerto Rico, the U.S. Virgin Islands, and U.S. territories. While this imagery is often sharper than The National Map Imagery, we ask that you use The National Map Imagery when placing points on the map. The ESRI Imagery layer may be used in conjunction with The National Map Imagery layer to verify the correct location.
- 6. NAIP Imagery** comes from the U.S. Department of Agriculture [National Agriculture Imagery Program](#). This imagery is useful for confirming the correct location of a point. Currently this imagery layer is unavailable through the TNMCORPS editor.

Continued on next page



## Closer Look at the Layers List (Continued)

The next section of layers are map overlays. These layers sit on top of your chosen basemap to give you more information. Each of them has a checkbox to turn them off or on and a slider to modify their transparency. You can turn on multiple overlays at a time.

More information about the USGS' data and layers is available on [The National Map website](#).

The screenshot shows a map interface with a layers list on the right. The layers list is titled "Locked" and includes the following items:

- The National Map Base Layer
- The National Map Imagery
- DigitalGlobe Imagery
- The National Map + Aerial Imagery
- ESRI Imagery
- NAIP Imagery
- Boundaries
- Quad Index
- USA Federal Lands
- Historical Topo
- Alaska Community Photos

Five callout boxes provide details for the highlighted layers:

- 1. Boundaries:** This layer provides the general boundaries for areas of geographic importance. The following [link](#) provides a legend with all of the different features within this layer.
- 2. Quad Index:** This layer shows the [USGS quadrangle map grid](#) with the name and year of the most recent published USGS topographic map for that area. Maps can be viewed at the [USGS Store](#) or the USGS [topoView](#) site.
- 3. USA Federal Lands:** This overlay shows the location of various federal lands in the U.S. The following [link](#) provides a legend with all of the different features within this layer.
- 4. Historical Topo:** This layer shows historic topographic maps at different scales depending on the zoom level. This may be useful when editing cemeteries to see if the cemetery location and name was shown on an older map. Maps can be viewed at the [USGS Store](#) or the USGS [topoView](#) site.
- 5. Alaska Community Photos:** These photos are part of the community profile maps provided by the Alaska Department of Commerce, [DRCA](#). This imagery shows some populated places in Alaska such as small towns or villages. These are based on aerial photos and the age varies.



## Other USGS Citizen Science Projects

According to [citizenscience.gov](http://citizenscience.gov), "In citizen science, the public participates voluntarily in the scientific process, addressing real-world problems in ways that may include formulating research questions, conducting scientific experiments, collecting and analyzing data, interpreting results, making new discoveries, developing technologies and applications, and solving complex problems." Citizen scientists such as yourselves also help science organizations collect data at a much faster pace than they could on their own.

As a volunteer for The National Map Corps, you may be wondering: "Does the USGS have other citizen science projects I can contribute to?" The answer is YES! We've highlighted a couple examples of other USGS applications that may interest you.

**USGS**  
science for a changing world

Earthquake Hazards Program

**Did You Feel It?**

Report it Here - Tell Us!

Report an Unknown Event

Search DYFI Archives

Summary Maps

FAQ

Scientific Background

Disclaimers

**Did You Feel It?**

Did You Feel It? (DYFI) collects information from people who felt an earthquake and creates maps that show what people experienced and the extent of damage.

**Search and View Past Earthquakes**

[Search DYFI Archives](#)

This search is configured to return only events with DYFI products. You may enter additional search parameters for magnitude threshold, time window, and geographic area.

**Report it Here - Tell Us!**

Find the earthquake you felt, and then tell us about it. Not in the list?

[Report an Unknown Event](#)

DYFI, Past 24 Hours

**Did You Feel it?** - This citizen science application asks people to report if they've felt an earthquake. And while you may be thinking "Doesn't that just apply to people in California?" Nope! [Ohio](#) had a 4.0 earthquake in June, and [Alaska](#) had several earthquakes in July.

**iCoast** - This project asks volunteers to compare coast lines before and after a major storm event to assess the extent of damage.

**USGS iCoast Map Navigator**

Random photo selected for you near Five Mile Beach, Wildwood, NJ

Post-Storm Photo Selected on Map near Atlantic City, NJ

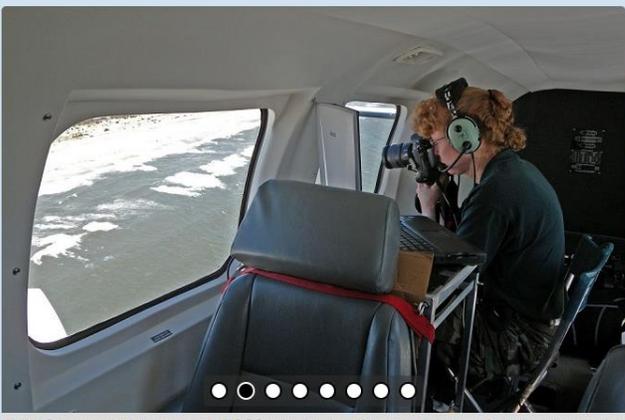
Atlantic City, NJ

ZOOM-IN TO SELECT A POST-STORM PHOTO

- Clustering of Photos
- Post-Storm Photo
- Randomly Selected Photo
- Selected Post-Storm Photo

Reset the Map

Hide Other Photos



**Welcome to USGS iCoast!**

Help scientists at the U.S. Geological Survey (USGS) annotate aerial photographs with keyword tags to identify changes to the coast after extreme storms like Hurricanes Ike and Sandy. We need your eyes to help us understand how our coastlines are changing from extreme storms.

Click the button below to [Login](#) or [Register](#) using Google.

[Login or Register with Google](#)

**Note:** Any Google based account, including standard Gmail accounts or those managed by you or your organization, can be used to create an iCoast account.  
(Examples: [aperson@gmail.com](mailto:aperson@gmail.com), [aperson@usgs.gov](mailto:aperson@usgs.gov), [aperson@university.edu](mailto:aperson@university.edu))

[Why Google?](#)

**Help!** Become a volunteer to help USGS scientists look for coastal changes in their oblique aerial photographs they have taken since 1995.

**For more USGS citizen science projects, check out [this list](#).**

# TNMCorps Puzzle: Word Search

Town Hall  
New York  
City Hall  
Village Hall

Callicoon Town Hall  
Forkston Township Hall  
East Hampton Town Hall  
Shawangunk Town Hall

Moon Township  
New Jersey  
Pennsylvania  
Municipal Building

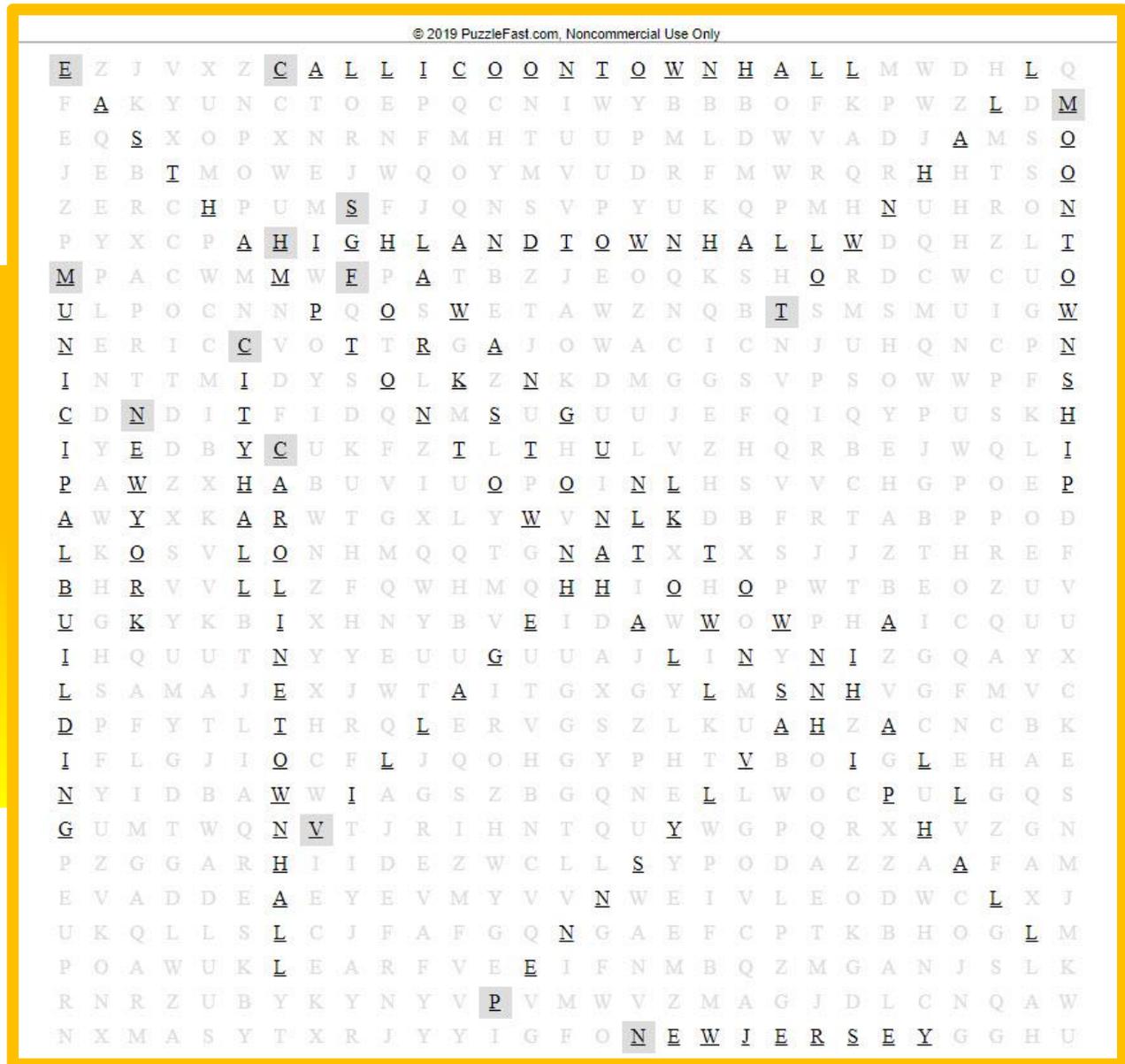
Caroline Town Hall  
Highland Town Hall

Word search created using:  
<https://www.puzzlefast.com/>

E	Z	J	V	X	Z	C	A	L	L	I	C	O	O	N	T	O	W	N	H	A	L	L	M	W	D	H	L	Q
F	A	K	Y	U	N	C	T	O	E	P	Q	C	N	I	W	Y	B	B	B	O	F	K	P	W	Z	L	D	M
E	Q	S	X	O	P	X	N	R	N	F	M	H	T	U	U	P	M	L	D	W	V	A	D	J	A	M	S	O
J	E	B	T	M	O	W	E	J	W	Q	O	Y	M	V	U	D	R	F	M	W	R	Q	R	H	H	T	S	O
Z	E	R	C	H	P	U	M	S	F	J	Q	N	S	V	P	Y	U	K	Q	P	M	H	N	U	H	R	O	N
P	Y	X	C	P	A	H	I	G	H	L	A	N	D	T	O	W	N	H	A	L	L	W	D	Q	H	Z	L	T
M	P	A	C	W	M	M	W	F	P	A	T	B	Z	J	E	O	Q	K	S	H	O	R	D	C	W	C	U	O
U	L	P	O	C	N	N	P	Q	O	S	W	E	T	A	W	Z	N	Q	B	T	S	M	S	M	U	I	G	W
N	E	R	I	C	C	V	O	T	T	R	G	A	J	O	W	A	C	I	C	N	J	U	H	Q	N	C	P	N
I	N	T	T	M	I	D	Y	S	O	L	K	Z	N	K	D	M	G	G	S	V	P	S	O	W	W	P	F	S
C	D	N	D	I	T	F	I	D	Q	N	M	S	U	G	U	U	J	E	F	Q	I	Q	Y	P	U	S	K	H
I	Y	E	D	B	Y	C	U	K	F	Z	T	L	T	H	U	L	V	Z	H	Q	R	B	E	J	W	Q	L	I
P	A	W	Z	X	H	A	B	U	V	I	U	O	P	O	I	N	L	H	S	V	V	C	H	G	P	O	E	P
A	W	Y	X	K	A	R	W	T	G	X	L	Y	W	V	N	L	K	D	B	F	R	T	A	B	P	P	O	D
L	K	O	S	V	L	O	N	H	M	Q	Q	T	G	N	A	T	X	T	X	S	J	J	Z	T	H	R	E	F
B	H	R	V	V	L	L	Z	F	Q	W	H	M	Q	H	H	I	O	H	O	P	W	T	B	E	O	Z	U	V
U	G	K	Y	K	B	I	X	H	N	Y	B	V	E	I	D	A	W	W	O	W	P	H	A	I	C	Q	U	U
I	H	Q	U	U	T	N	Y	Y	E	U	U	G	U	U	A	J	L	I	N	Y	N	I	Z	G	Q	A	Y	X
L	S	A	M	A	J	E	X	J	W	T	A	I	T	G	X	G	Y	L	M	S	N	H	V	G	F	M	V	C
D	P	F	Y	T	L	T	H	R	Q	L	E	R	V	G	S	Z	L	K	U	A	H	Z	A	C	N	C	B	K
I	F	L	G	J	I	O	C	F	L	J	Q	O	H	G	Y	P	H	T	V	B	O	I	G	L	E	H	A	E
N	Y	I	D	B	A	W	W	I	A	G	S	Z	B	G	Q	N	E	L	L	W	O	C	P	U	L	G	Q	S
G	U	M	T	W	Q	N	V	T	J	R	I	H	N	T	Q	U	Y	W	G	P	Q	R	X	H	V	Z	G	N
P	Z	G	G	A	R	H	I	I	D	E	Z	W	C	L	L	S	Y	P	O	D	A	Z	Z	A	A	F	A	M
E	V	A	D	D	E	A	E	Y	E	V	M	Y	V	V	N	W	E	I	V	L	E	O	D	W	C	L	X	J
U	K	Q	L	L	S	L	C	J	F	A	F	G	Q	N	G	A	E	F	C	P	T	K	B	H	O	G	L	M
P	O	A	W	U	K	L	E	A	R	F	V	E	E	I	F	N	M	B	Q	Z	M	G	A	N	J	S	L	K
R	N	R	Z	U	B	Y	K	Y	N	Y	V	P	V	M	W	V	Z	M	A	G	J	D	L	C	N	Q	A	W
N	X	M	A	S	Y	T	X	R	J	Y	Y	I	G	F	O	N	E	W	J	E	R	S	E	Y	G	G	H	U



## TNMCorps Puzzle Solution



## May Puzzle Correction

If you took the time to complete the TNMCorps puzzle in our [May newsletter](#), you may have noticed a couple of missing details. Thankfully, our perceptive volunteer *genovt* brought them to our attention:

- 1) We included the definition of a cemetery, but neglected to include the cemetery icon
- 2) We included the county courthouse icon, but neglected to include the county courthouse definition

Please accept our apologies for this oversight. And if you ever come across other mistakes or missing details, don't hesitate to [let us know!](#)



## Have a story or photo you'd like to share?

We want them! This could be anything from a photo of you verifying a structure or an interesting story that you discovered while editing.

Photos, graphics, and stories may be used in future news releases and social media posts. All materials submitted become part of the “[public domain](#),” and can be used by USGS in the future unless otherwise specified.

Please email them to [nationalmapcorps@usgs.gov](mailto:nationalmapcorps@usgs.gov)



## New Recognition Category Members



**Squadron of Biplane Spectators (6000-6999)**



**Family of Floating Photogrammetrists (3000-3999)**



**Theodolite Assemblage (2000-2999)**



**Stadia Board Society (500-999)**



**Ring of Reconnaissance Rocketeers (5000-5999)**



**Flock of Winged Witnesses (4000-4999)**



**Alidade Alliance (1000-1999)**



**Circle of the Surveyor's Compass (200-499)**

-----  **Pedometer Posse (100-199)** -----

- gracebrill
- RennyLammering
- SpotsyGISDave20
- zdhiu
- smc765
- Drenerg
- LindsayK1470
- SallymogLee
- rmrobbin

-----  **Society of the Steel Tape (50-99)** -----

- RennyLammering
- Gracebrill
- Junior P Luche
- Westybsa
- Chin-Yun Kuei
- mependleton
- smc765
- LindsayK1470
- Drenerg
- AECovington94
- SallymogLee
- @110servicehours (on insta)
- p-witty
- rmrobbin
- tbranham
- halfdollarbills

-----  **Order of the Surveyor's Chain (25-49)** -----

- RennyLammering
- gracebrill
- mommehk
- Chin-Yun Kuei
- bhs24699
- mependleton
- semcgirt
- westybsa
- kaiserincarla1
- D4rkD0rk
- Randolph7792
- StephanieSmith
- abaker67
- halfdollarbills
- p-witty
- smc765
- LindsayK1470
- tbranham
- Zoebear
- @110servicehours (on insta)
- Drenerg
- JLJenkins
- WinterHeart99
- AECovington94
- SallymogLee
- rmrobbin

CONTACT US AT: [nationalmapcorps@usgs.gov](mailto:nationalmapcorps@usgs.gov) for suggestions, questions, additions to the next newsletter, or if you would like to be removed from the email list.

