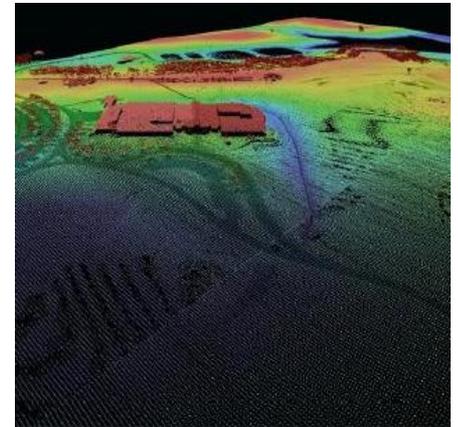
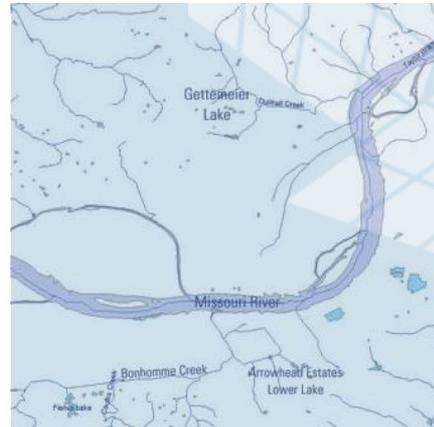
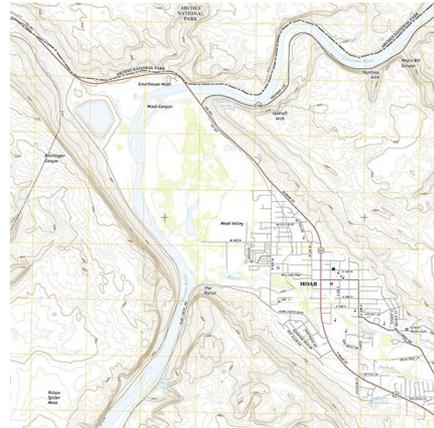


# + Support Themes

- Overview for PAD-US



3/12/2020

Greg Matthews  
U.S. Geological Survey



# Structures

## ❖ Current Structures -TNMCorps updates

Symbol	Feature	Description
	School (Elem, Middle, High school)	
	College/University	
	Technical/Trade School	
	Fire Stations/EMS	
	Police/Sheriff Office	
	Ambulance Services (not on US Topo)	Not on Topo yet
	Prison/Correctional Facility	
	Post office	
	Hospital/Medical Center	
	Cemetery	



# Structures

## ❖ Current Structures -TNMCorps updates

Symbol	Feature	Description
	City/Town Hall	
	State Supreme Court	
	Courthouse (County or similar level)	Expanding to Federal
	State Capitol building (done)	

# Structures

## ❖ Current Structures - Recreation POI, Others

Symbol	Feature	Description
	Campground	Federal lands, some State
	Picnic Areas	Federal lands, some State
	Trailhead	Federal lands, some State
	Visitor/Information Center	Federal lands, some State
	Ranger Station	Federal
	Park Headquarters	Federal



# Structures

## ❖ Current Structures - Recreation POI, Others

Symbol	Feature	Description
	Cabin	Federal (USFS only)
	Shelter	Federal (NPS only)
	National Historic Site	Federal (most are NPS)-not on Topo yet
	National Historic Landmark	Federal (most are NPS)-not on Topo yet
	National Memorial	Federal (most are NPS)-not on Topo yet
	Seaplane	FFA-not on Topo yet
	Heliports	FFA-not on Topo yet
	U.S. Supreme Court (1 point)	
Pending	The White House (1 point)	Symbol not created yet

# + Trails Database – Trail Miles

Category	Agency	2018 Miles	10/1/2019	1/5/2020	Estimated Completeness
<b>Federal Agencies</b>	U.S. Forest Service	109,264	118,323	121,524	93%
	National Park Service	13,167	18,841	18,850	90%
	U.S. Fish and Wildlife	2,317	2,195	2,130	100%
	Bureau of Land Management	479	3,980	4,012	30%
<b>Private</b>	Advocacy Groups	3,849	8,387	8,413	NA
	Adventure Projects	22,222	19,773	19,668	
<b>Public &amp; Private</b>	National Scenic Trails	12,685	15,052	15,052	
<b>Local and State</b>	States	12,847	29,815	30,937	
<b>Combined</b>	<b>All</b>	<b>175,000</b>	<b>199,067</b>	<b>200,754</b>	

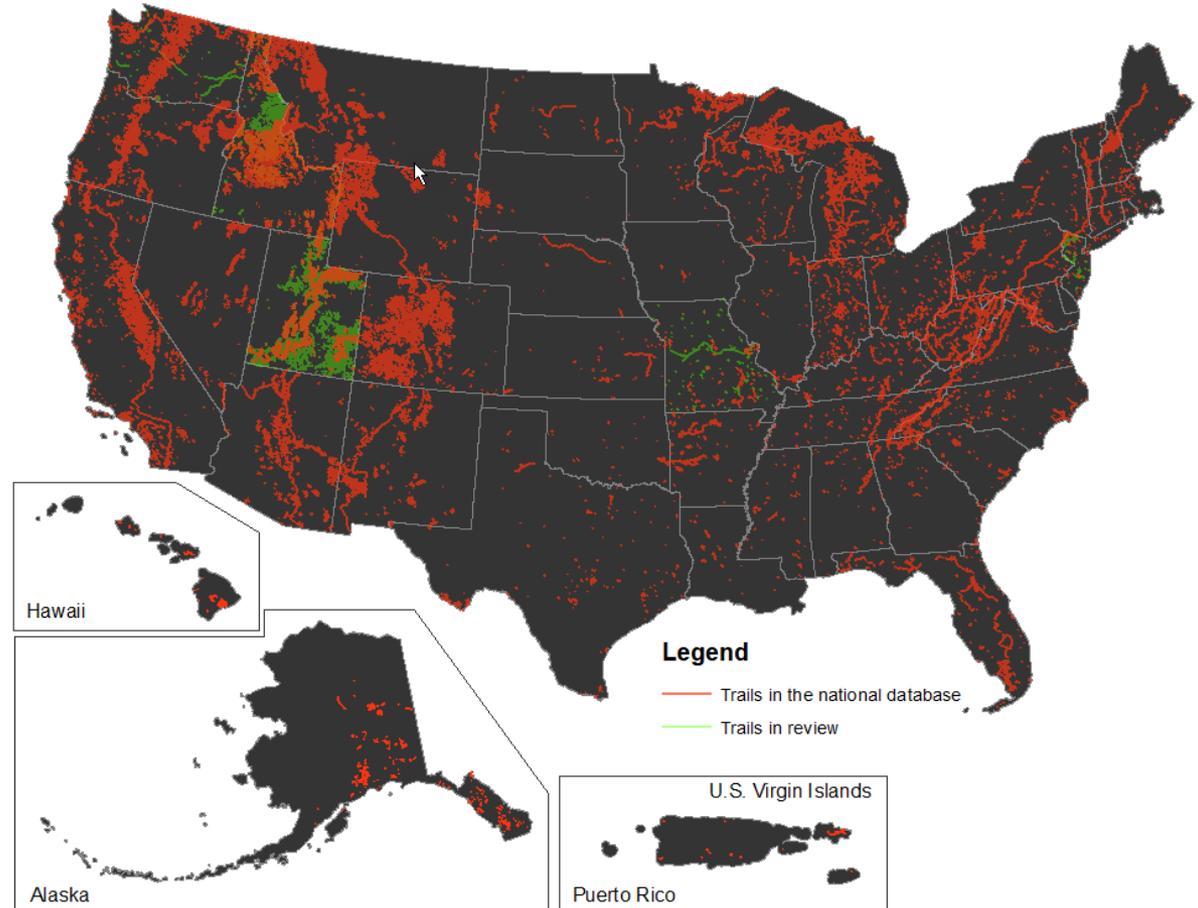
<b>Future Potential</b>	<b>Agency</b>	<b>Status</b>
	Bureau of Reclamation	Pending
	Tennessee Valley Authority	In Review
	Corps of Engineers	Pending

# + Trails Database - NDT Database

- ❖ USGS has aggregated 200,754 miles of trails as of 01/05/2020
- ❖ Updated digital trail schema

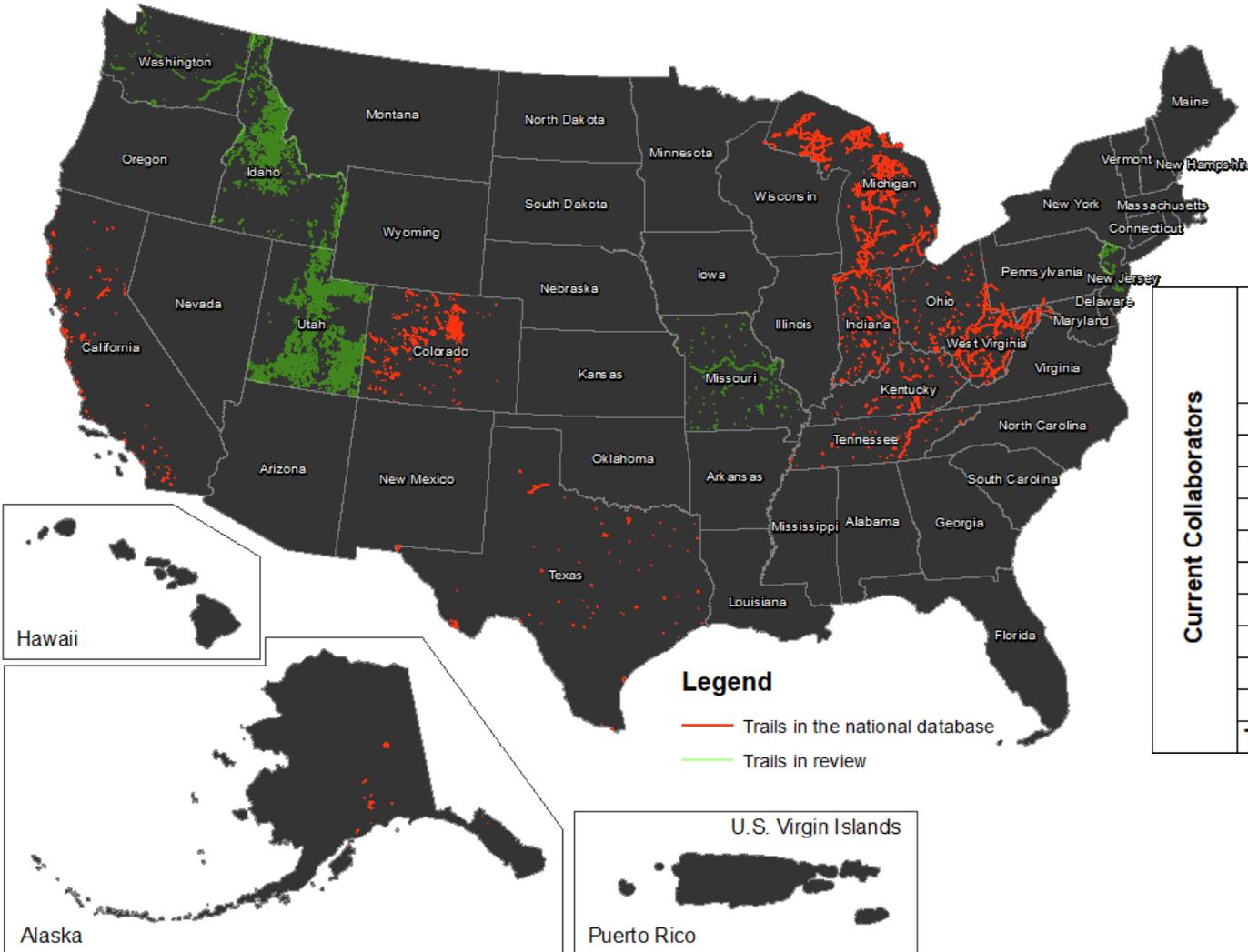
## Next steps...

- ❖ Continue review of state trails (in green)
- ❖ Continue to build partnerships with Federal, state, and other organizations
- ❖ Continue work with Federal partners to standardize trail schema



# + Trails Database – State and Local

State Trail Contributions to USGS National Trails Database



**Legend**  
 — Trails in the national database  
 — Trails in review

Current Collaborators	State	Year	Miles
	AK	2014	679
	CA	2018	1,708
	CO	2019	7,078
	IN	2019	3,572
	KY	2019	1,135
	MI	2016	8,936
	OH	2019	1,588
	TN	2019	1,092
	TX	2018	1,309
WV	2016	3,840	
<b>Total Miles</b>			<b>30,937</b>

Planned Addition	State	Approximate Miles In Review
	ID	5,888
	NJ	1,338
	MO	2,175
	UT	16,387
WA	1,243	
<b>Total</b>		<b>27,031</b>

# +National Digital Trails

## Goal 1 - Create a Trails Decision Support Tool

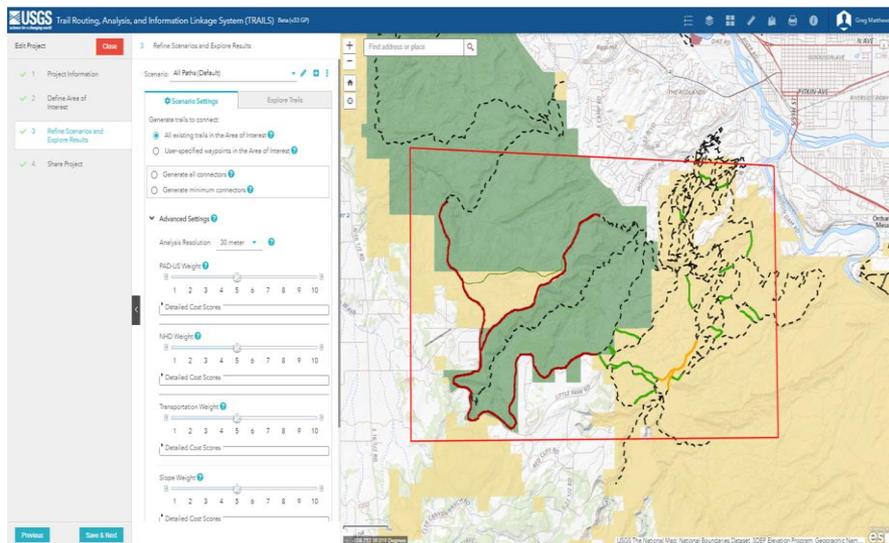
Provide a web-based interactive tool for land managers to conduct geospatial analysis to identify and prioritize candidate trails for the extension of existing trail networks.

## Goal 2 - Create a Robust National Trails Database

Aid in the creation of a robust national geospatial trails dataset including, at a minimum, trails from key Federal agencies including the U.S. Forest Service, National Park Service, U.S. Fish and Wildlife Service, and the Bureau of Land Management.

## Goal 3 - Develop a Mobile Enabled Application for Trails

Develop a mobile-friendly application that will assist trail stewards, land management agencies, and potentially members of the public, in the maintenance of trails information. The USGS is requesting partners for collaboration on existing applications, attributes, specifications, and workflows for maintaining trails data



# + Accessing Data

## The National Map Viewer

<https://viewer.nationalmap.gov/advanced-viewer/>

The National Map provides easy access to topographic information. The geographic information available from The National Map includes orthoimagery (aerial photographs), elevation, geographic names, hydrography, boundaries, transportation, structures, and land cover. Other types of geographic information can be added within the viewer or brought in with The National Map data into a Geographic Information System to create specific types of maps or map views.

## US Topo Maps

[https://www.usgs.gov/core-science-systems/national-geospatial-program/us-topo-maps-america?qt-science\\_support\\_page\\_related\\_con=0#qt-science\\_support\\_page\\_related\\_con](https://www.usgs.gov/core-science-systems/national-geospatial-program/us-topo-maps-america?qt-science_support_page_related_con=0#qt-science_support_page_related_con)

Building on the success of more than 130 years of USGS topographic mapping, the US Topo series is a new generation of maps of the American landscape. US Topo topographic maps are produced by the [National Geospatial Program](#) of the [U.S. Geological Survey](#) (USGS).

## The National Map - Service Endpoints

<https://viewer.nationalmap.gov/services/>

## Staged Products for Download

<https://prd-tnm.s3.amazonaws.com/index.html?prefix=StagedProducts>