



topoBuilder and OnDemand Topo

William Marken, Cartographic Applied Research Section Chief USGS National Geospatial Technical Operations Center





topoBuilder is...

...an application to make your own topographic map

...created on demand

...centered where you want

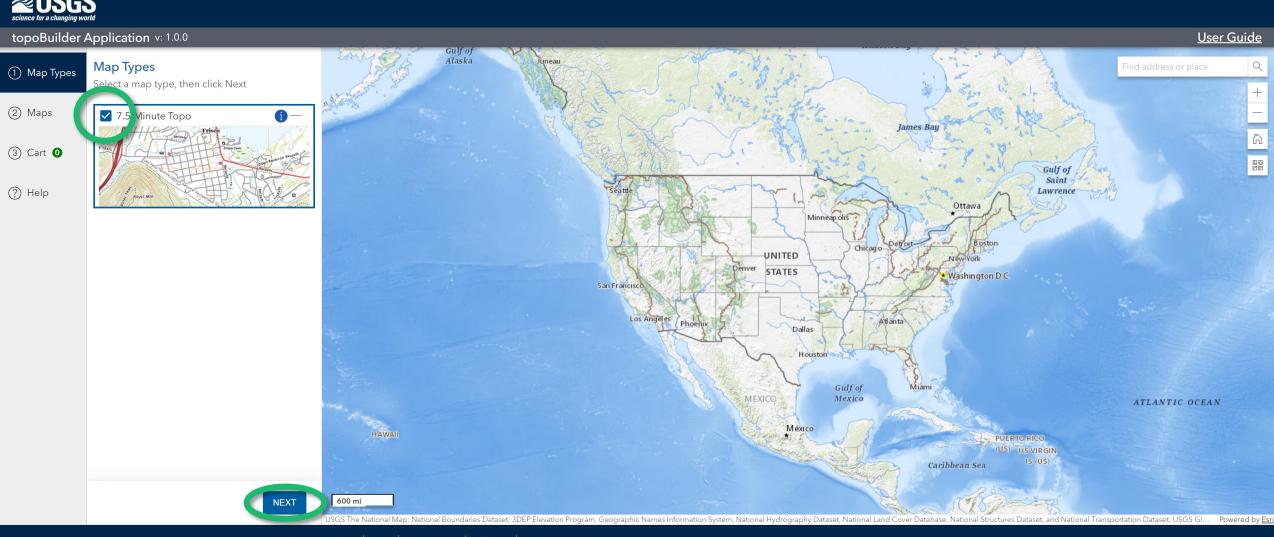
...in multiple formats

...with the **best available** National Map data

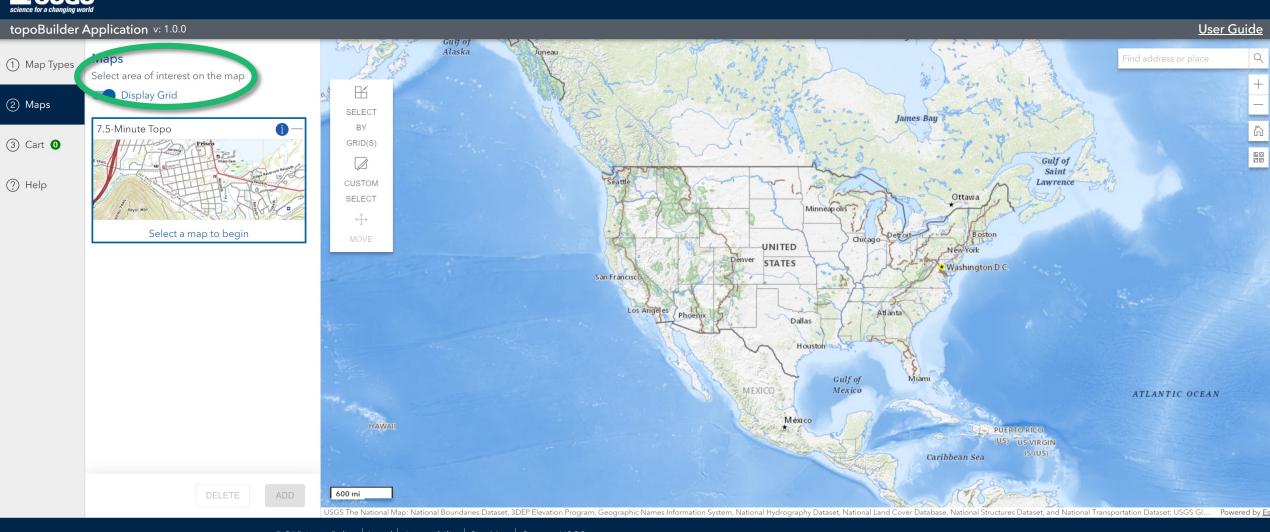




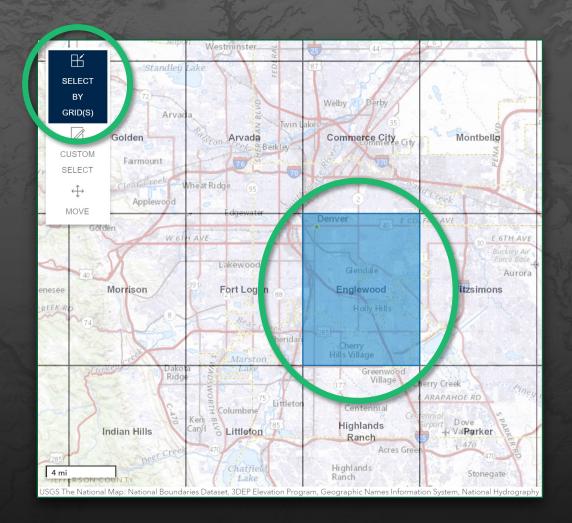
Open the app, select map type



Zoom to your area of interest



Choose your map extent

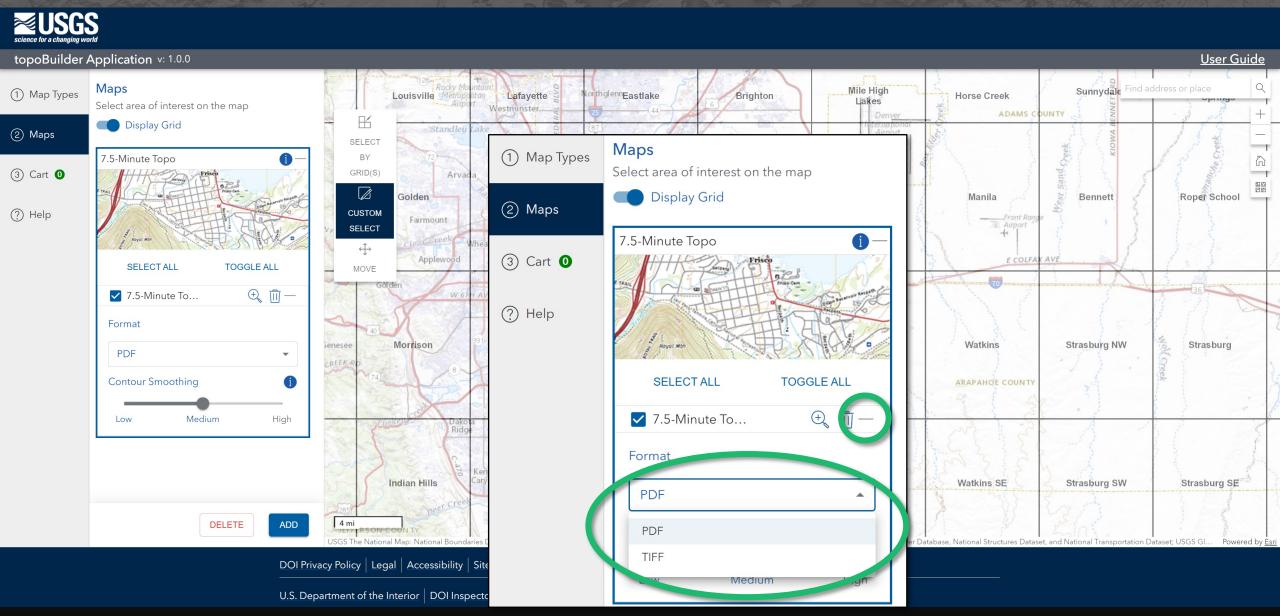




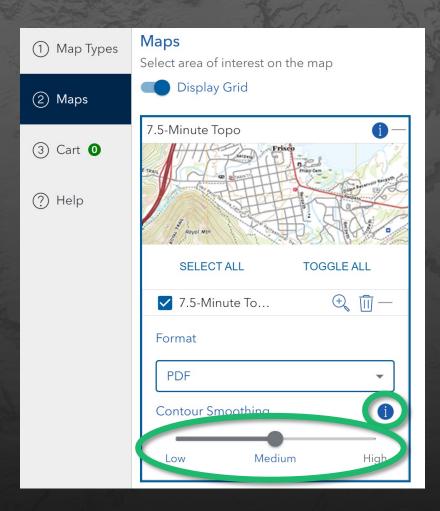


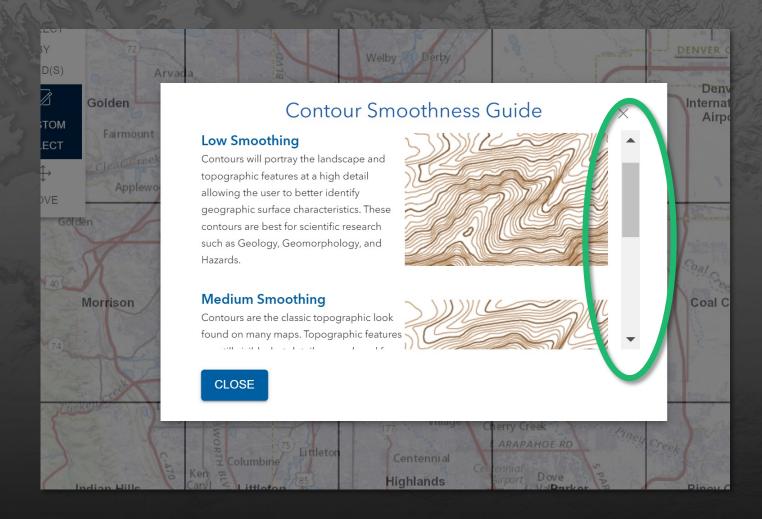


Choose your export options



Choose your contour smoothness





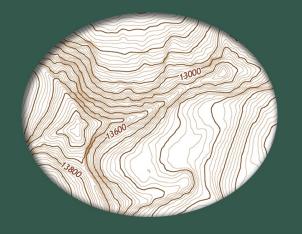


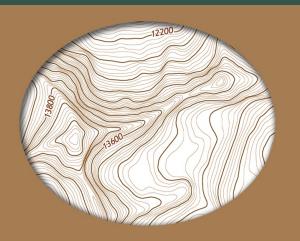
More about contours

- Generated on the fly
- Use highest-resolution, best available 3DEP data
- $\frac{1}{3}$ arc-second, $\frac{1}{9}$ arc-second, and 1 meter resolution in CONUS
- 2 meter in Alaska
- $\frac{1}{3}$ arc-second in U.S. territories
- Multiple smoothing options

low smoothing high detail

These highly detailed contours allow the user to identify surface features and landforms. Best suited for geology, geomorphology, and natural hazards.





medium smoothing medium detail

Closest to the US Topo style, the reduced detail permits better map readabilty.

Best for recreation, geocaching and orienteering, land management, and emergency management.

high smoothing low detail

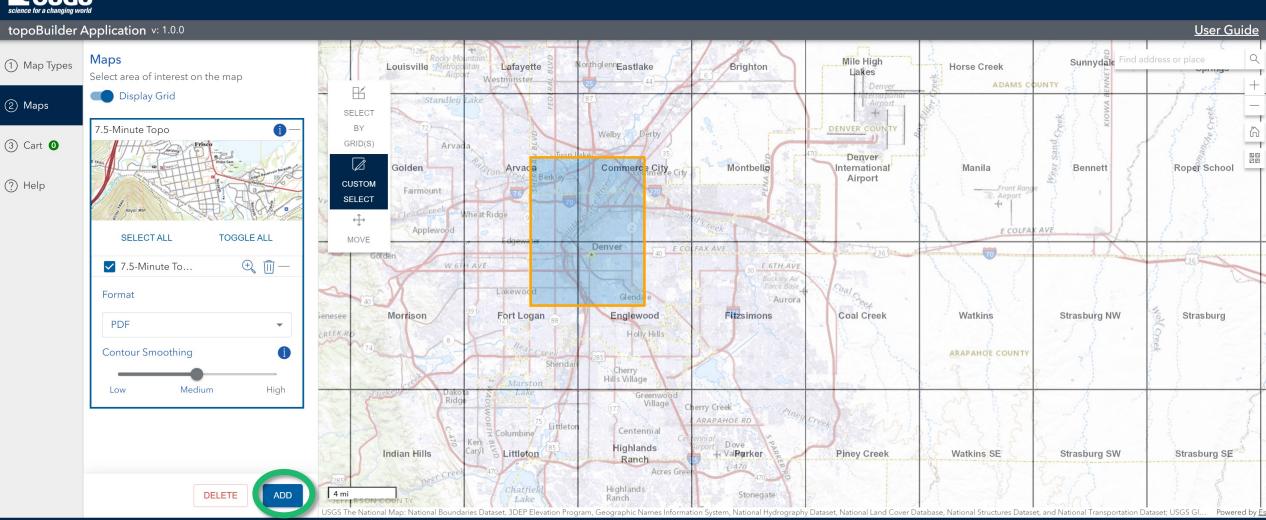
This option shows only general topography. Smaller features may not appear. Best for thematic maps, urban planning, transportation management, and demography.





Add to cart





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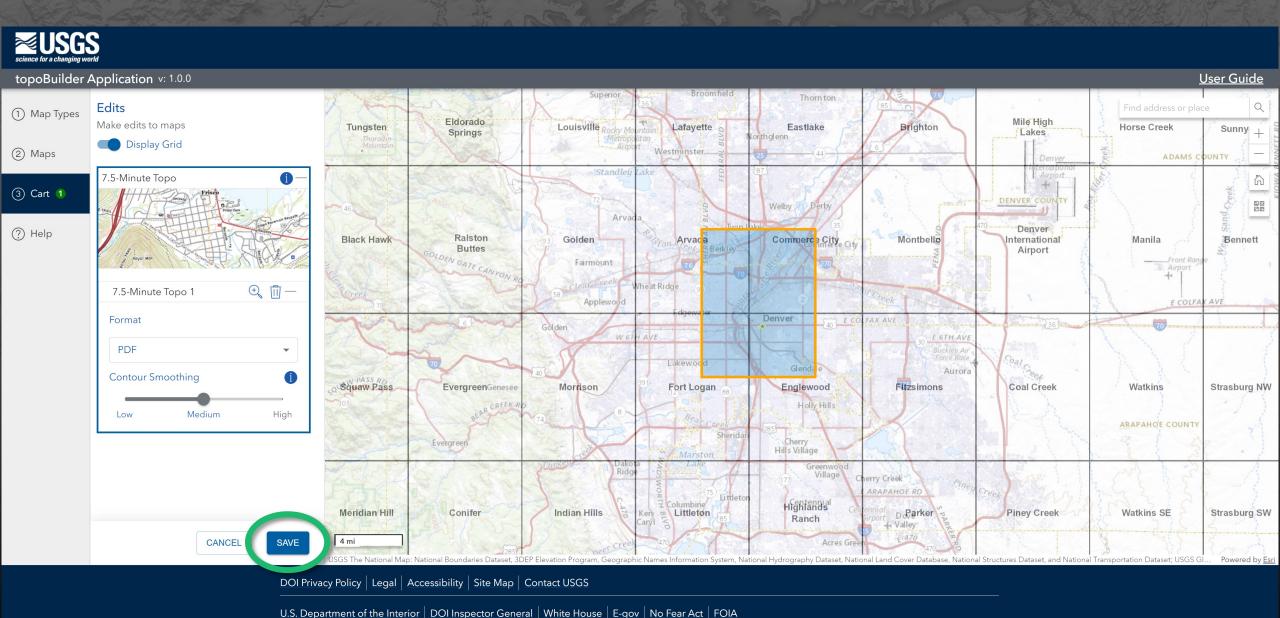
Review selections in cart



topoBuilder Application v: 1.0.0 User Guide Cart (1) Map Types Checkout maps for purchase (2) Maps 7.5-Minute Topo ADAMS COUNTY 7.5-Minute Topo 1 Standley Lake Custom Extent Medium Contour Smoothing Production PDF Format Fairmount Wheat Ridge Applewoo E COLFAX AVE Edgewater 40 E COLFAX AVE E 6TH AVE Buckley Air Glendale Aurora Genesee Holly Hills ARAPAHOE COUNTY Sheridan Hills Village Marston Greenwood Village Cherry Creek E ARAPAHOE RD Centennial Dove Canyl + Valley **EDIT MAPS** 4 mi CHECKOUT

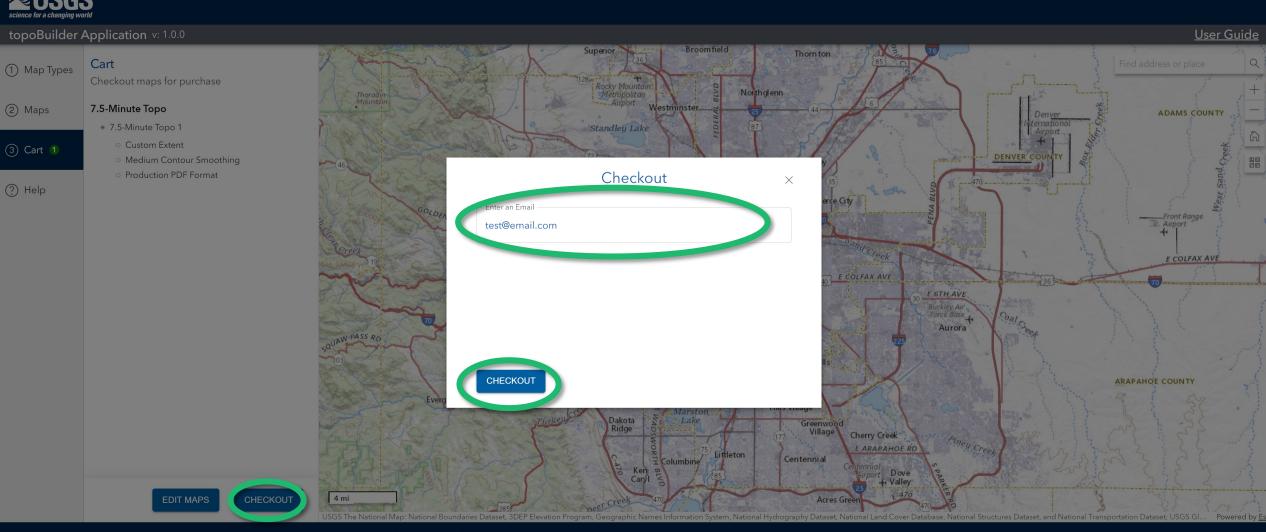
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Edit maps if necessary

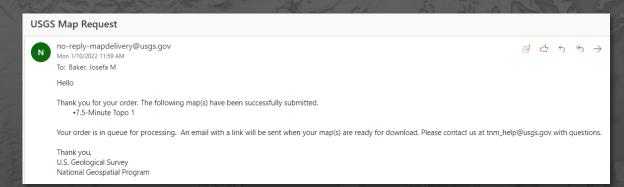


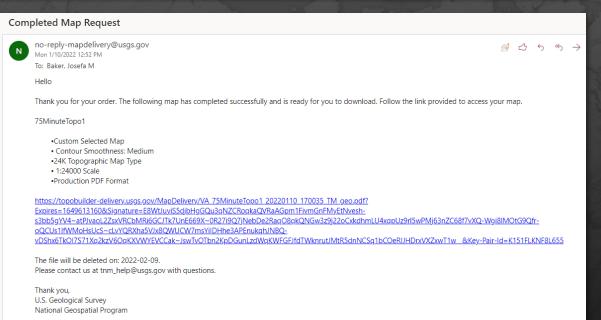
Checkout





What next?





 You will receive an email that your request was submitted.

 When the map is ready to download, you will receive a second email with a direct download link.





Need help?

National Map topoBuilder webpage:

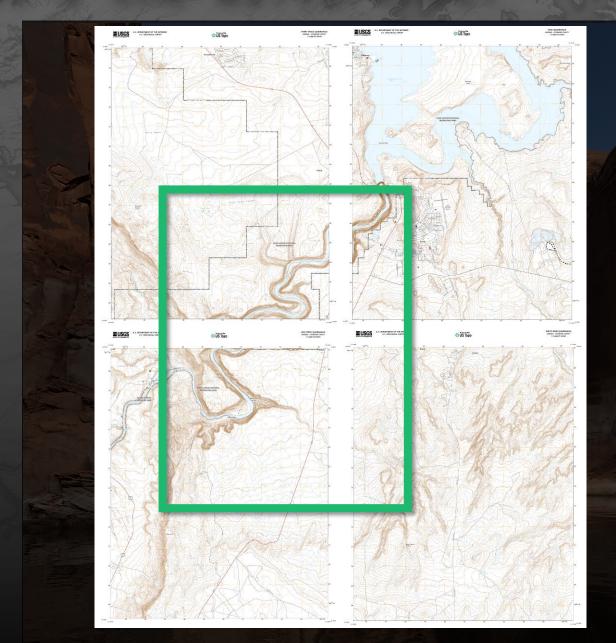
https://www.usgs.gov/programs/nationalgeospatial-program/topobuilder

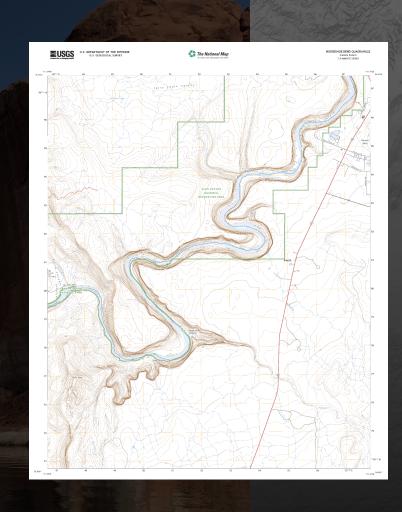
- <u>User Guide</u>
- tnm_help@usgs.gov





What's the difference?









US Topo

- Staged
- Standard USGS quads
- Predesigned contours
- Updated on a 3-year schedule
- Free and immediate download (pay to print)

OnDemand Topo

- On demand
- Custom extent
- Contours generated on the fly
- Uses best available data
- Currently available for a limited time





US Topo

- 1:24,000 in CONUS & Hawaii
- 1:25,000 in Alaska
- 1:20,000 Puerto Rico & U.S. Virgin Islands

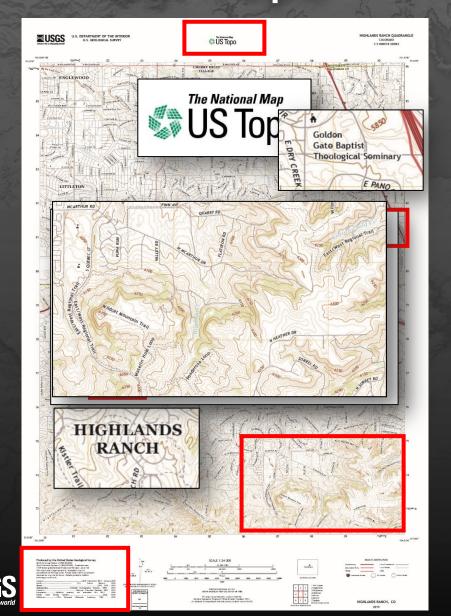
Produced only at these three scales

OnDemand Topo

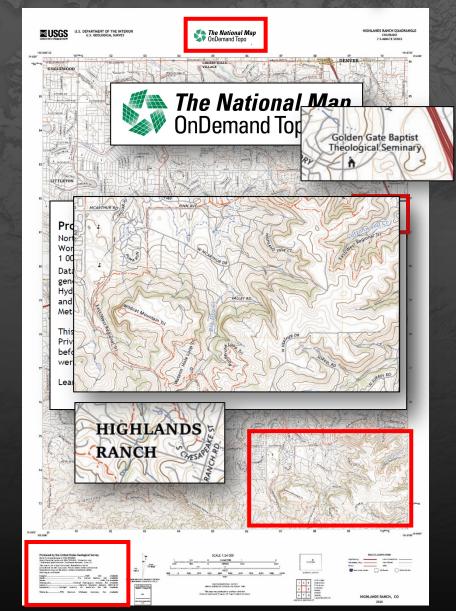
- 1:24,000 in CONUS and Hawaii
- 1:25,000 in Alaska
- 1:20,000 in Puerto Rico, U.S. Virgin Islands, American Samoa, Guam, and Northern Mariana Islands
- Multi-scale (in future releases)



US Topo

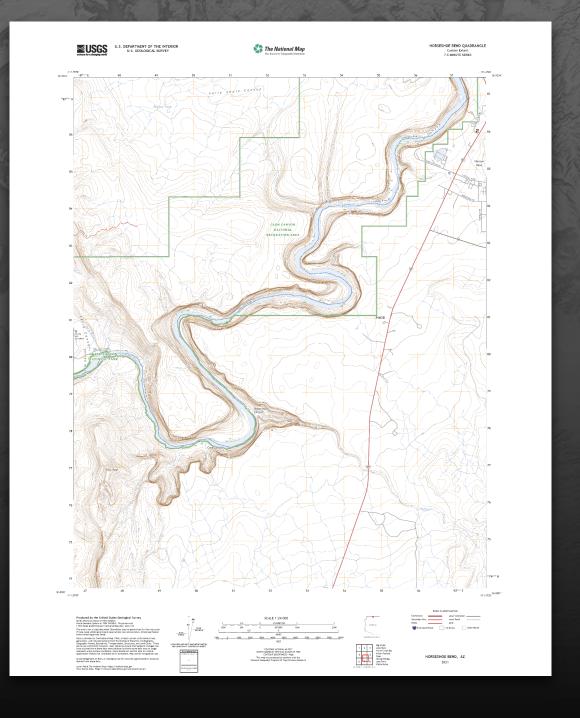


OnDemand Topo



Early 2022

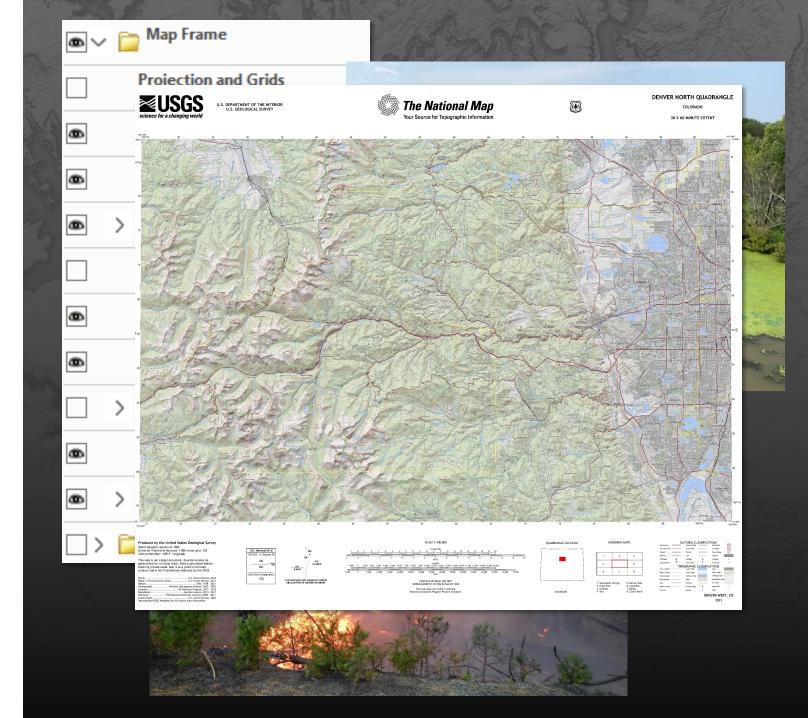
- Limited public pilot
- User centered extent
- Contour smoothing options
- 1:24,000 with additional scales for Alaska and U.S. territories
- GeoTIFF or Geospatial PDF output





Late 2022

- User-selected TNM layers
- 1:100,000-scale

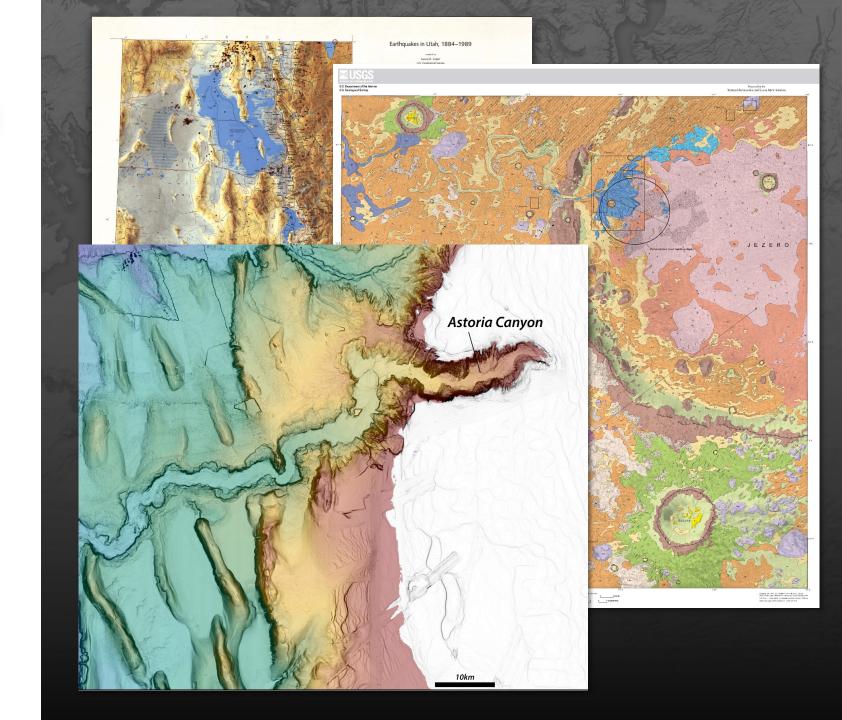






Future releases

- User Added Content
- Custom area of interest
- GIS data download
- Print
- Additional scales
- Additional map types

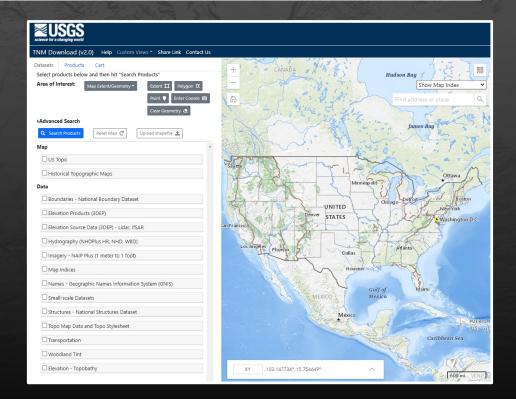




Essential facts

- topoBuilder uses the best available data from The National Map to create OnDemand Topos
- Choose file format, area of interest, and level of contour smoothness
- Additional customizations, scales, map types are planned

 US Topo staged maps continue to be produced and are available as free and immediate downloads







Questions and discussion

William Marken wmarken@usgs.gov

User feedback, help, or support: tnm_help@usgs.gov

Special thanks to Ariel Doumbouya, Cartographic Products Lead USGS National Geospatial Program For providing slides and information.





created on demand



centered anywhere in the U.S. and territories



turn map layers on or off with Geospatial PDF



The National Map OnDemand Topo

On-Demand, Custom, Topographic Maps

start making yours at **topobuilder.nationalmap.gov**



up-to-date

uses latest available data from The National Map



fast turnaround

maps take up to 5 days to process



delivered to you

download maps from a link sent to your email





Demo

topobuilder.nationalmap.gov



