Share Your Best Work in Esri's Federal Map Books

GIS is driving government innovation and the creation of new applications. Submit your best maps, apps, and interactive media for consideration in Esri's Federal Map Book series *Leadership through Service and Innovation*. Your submission will be considered for *Mapping the Nation* and its digital companion, *Mapping & Apping the Nation*, available on the free Esri® Bookstore app from iTunes or Google Play.

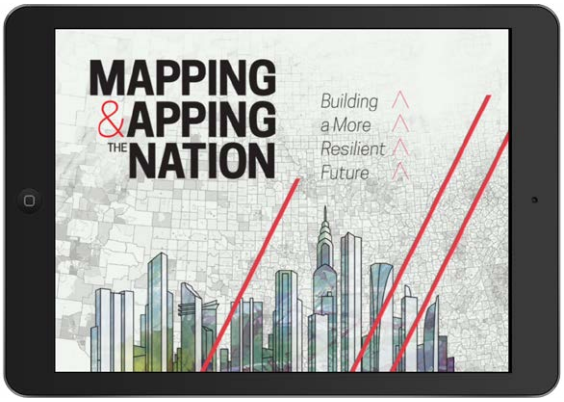
The submission deadline is March 20, 2015.

We want your innovative

- Maps
- GIS web apps
- Videos and photos that support your map or app

Your submission should illustrate the value of GIS in federal government by summarizing

- A problem or challenge facing your agency.
- The GIS solution to the problem.
- The outcome/benefit/return on investment from using GIS.

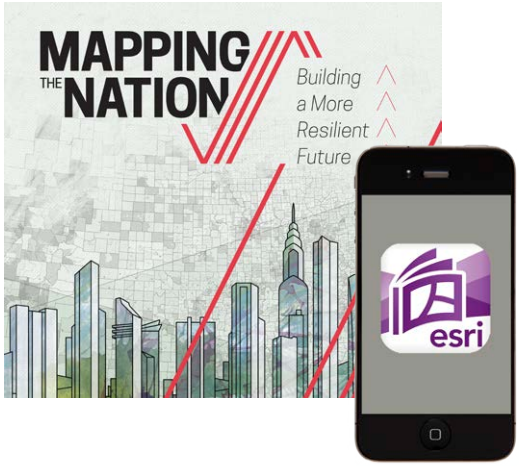


How to Submit

To submit maps and images for the book, go to

esripress.esri.com/fedbookportal/index.cfm

or scan this QR code to submit:



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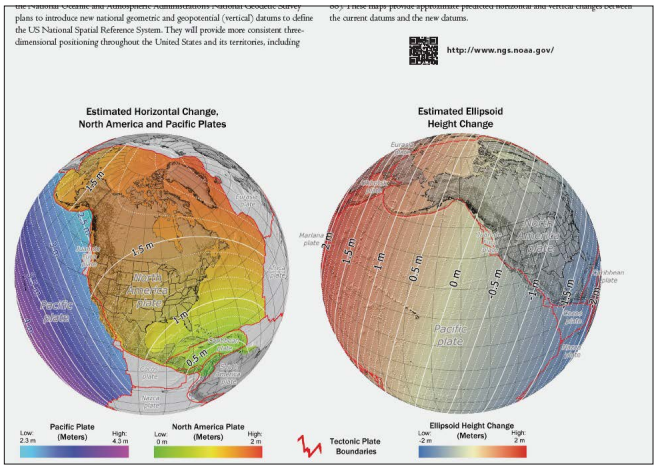
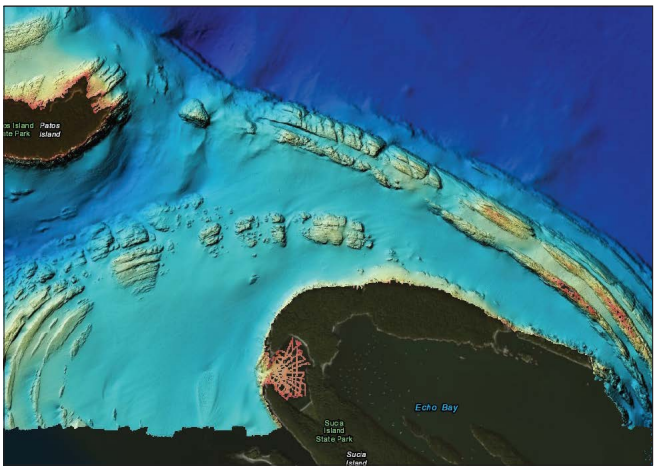
Examples of Maps and Descriptions Published in *Mapping the Nation*





Estimated Changes New Datums Will Create

A geodetic datum is an abstract coordinate system with a reference surface (such as sea level) that serves to provide known locations to begin surveys and create maps. In 2022, the National Oceanic and Atmospheric Administration's National Geodetic Survey plans to introduce new national geometric and geopotential (vertical) datums to define the US National Spatial Reference System. They will provide more consistent three-dimensional positioning throughout the United States and its territories, including changes in position with time. The new datums will replace both the North American Datum of 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88). These maps provide approximate predicted horizontal and vertical changes between the current and new datums.

Hillside Visualizations of National Ocean Service Bathymetric Attributed Grids

The National Geophysical Data Center archives high-resolution seafloor elevation data from hydrographic surveys in US coastal waters. The data is available as bathymetric attributed grids, and many areas have been mapped at very high detail. Colorshaded relief images offer a way to assess data coverage and quality before downloading and also provide beautiful and engaging basemaps in combination with other map layers. The images shown here include coastal areas of Northern California, Washington, and Alaska. Such images enable scientists to model tsunami propagation and ocean circulation and assist in seafloor habitat research, weather forecasting, and environmental stewardship.

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