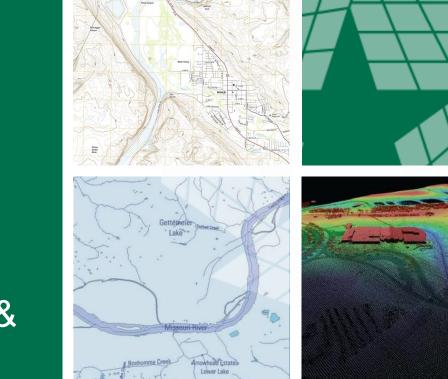
### National Map - Data & Services Delivery





**Coastal GeoTools Conference 2015** March 31, 2015

Rob Dollison, 703-648-5724, <u>rdollison@usgs.gov</u>



**Updates on National Map Data Delivery** 

- New Elevation Data and Products
- New GIS Cartographic Topo Products
- Our Future Direction in Viewers and Data Delivery
- Demonstration of Beta Data Downloader





+

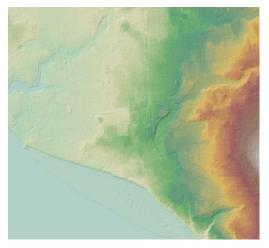
## **The National Map**

Your Source for Topographic Information

Area of National Leadership	Program Emphasis	
A-16 Lead for Terrestrial Elevation	3D Elevation Program (3DEP)	<complex-block></complex-block>
A-16 Co-Lead for Inland Waters (Hydrography)	National Hydrography Dataset (NHD) Watershed Boundaries Dataset (WBD)	
National Coverage of Topographic Maps	U.S. Topo and Alaska Mapping	



## + New 3DEP Products from The National Map

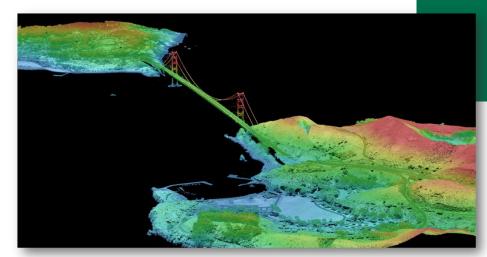


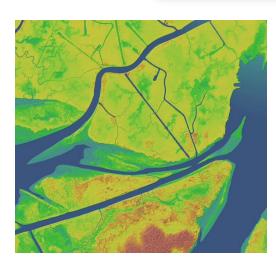
5 meter Alaska DEMs



Alaska Ifsar ORIs

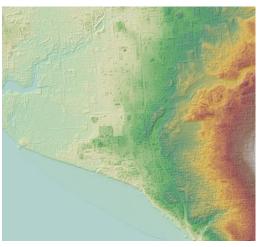






1 meter DEMs

#### Lidar Point Cloud



Alaska Ifsar DSMs

### Products and Services Delivery Main Activities for 2015

- Completing our move to Pre-tiled Staged Products
- Improving methods to enable others to use our data
- New Product Index and API to pre-staged products
- Move files to the Cloud
- New Lidar and 1M DEM Products
- Refresh Web Base Maps
- Develop new data access capabilities



# <sup>+</sup> TNM Delivery News

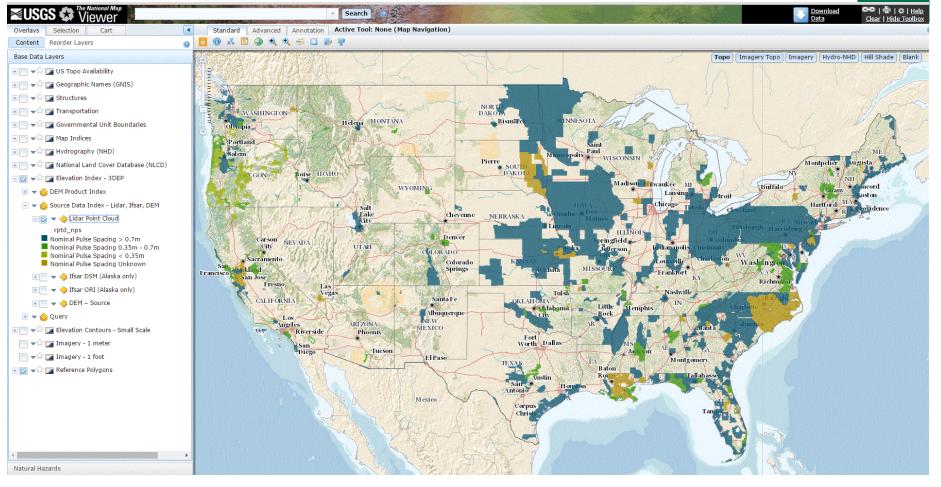
What's here and coming soon

- New and available now
  - Lidar Point Cloud and 1M DEMs available
  - New Elevation Data Availability Service
  - New 2011 Land Cover service
  - National Atlas migrated to Small-Intermediate Scale Program
  - Our Topo Basemap featured on AGOL Dec
- In April-May
  - TopoView beta2 Historical Maps (GeoTIFFs Included)
  - New Topo Web Basemap
- In Progress Combined Staged Vector Product, ORI, DSM



# <sup>+</sup> Lidar Point Cloud Data Available

### Data Availability Service





# <sup>+</sup> US Topo

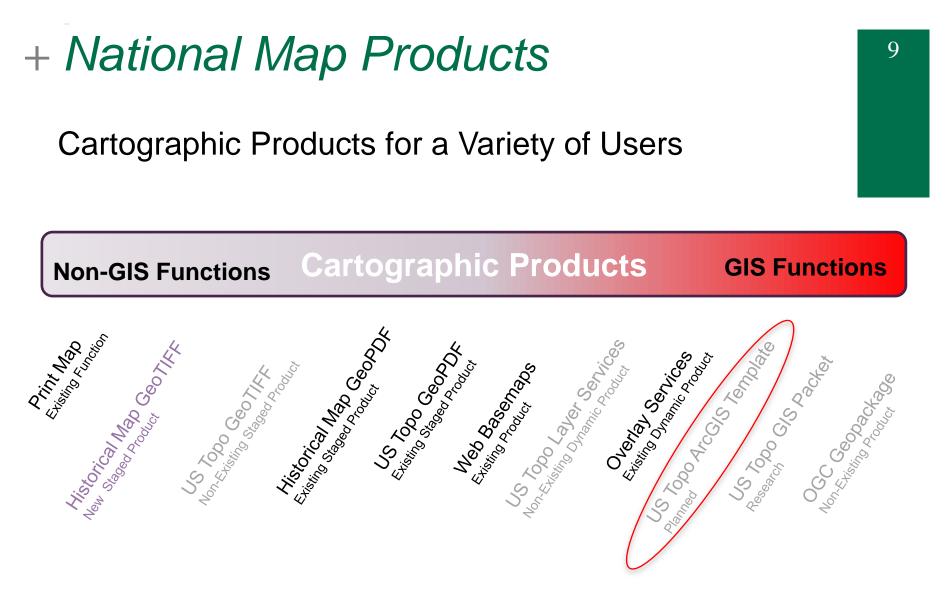
### **Digital USGS Topographic Maps**

- ✓ Seamless
- ✓ Continuously maintained
- ✓ Nationally consistent
- Layered GeoPDF®
- Orthoimage base from the National Agriculture Imagery Program (NAIP)
- Developed and maintained through partnerships
- 3-year production cycle
- Available online
- Producing over 11,000 new, higherresolution (25K) digital maps for Alaska



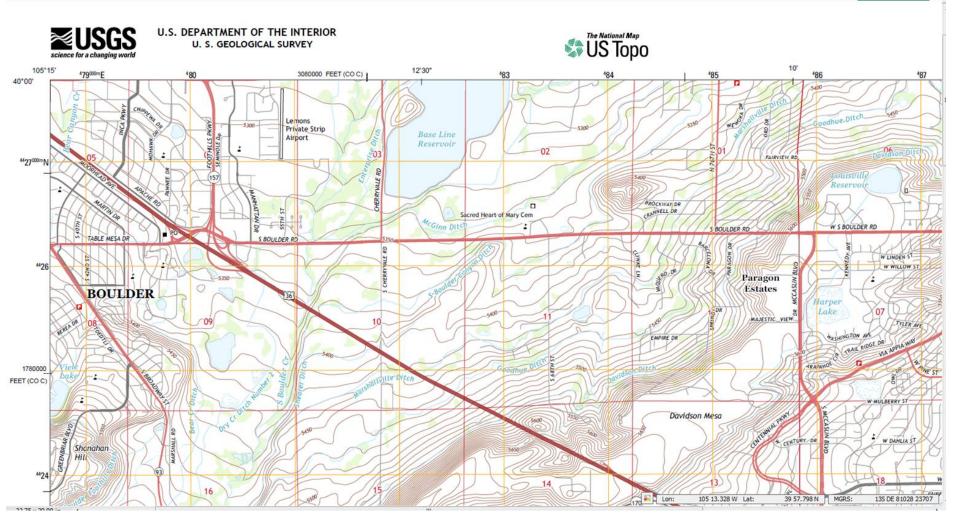


8



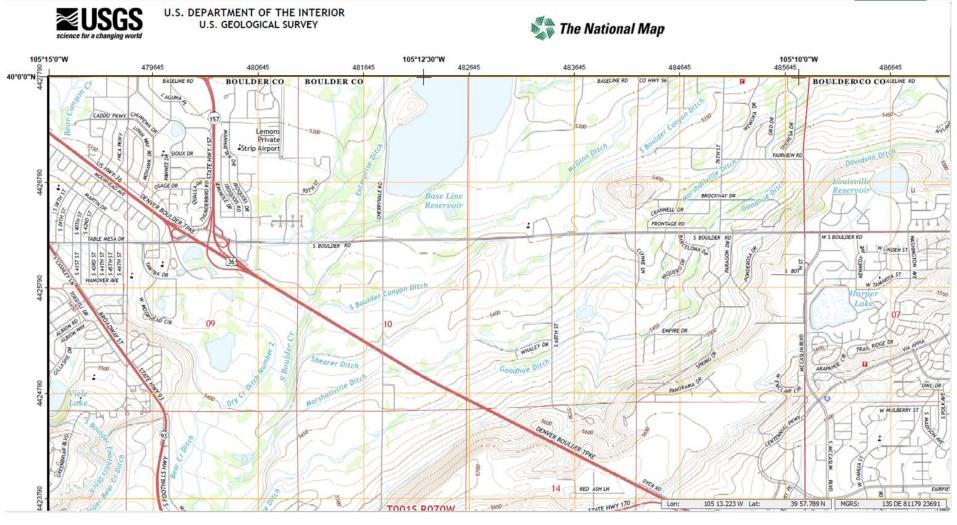


## <sup>+</sup> Map Comparison - Published US Topo





## <sup>+</sup> Map Comparison - exported from template



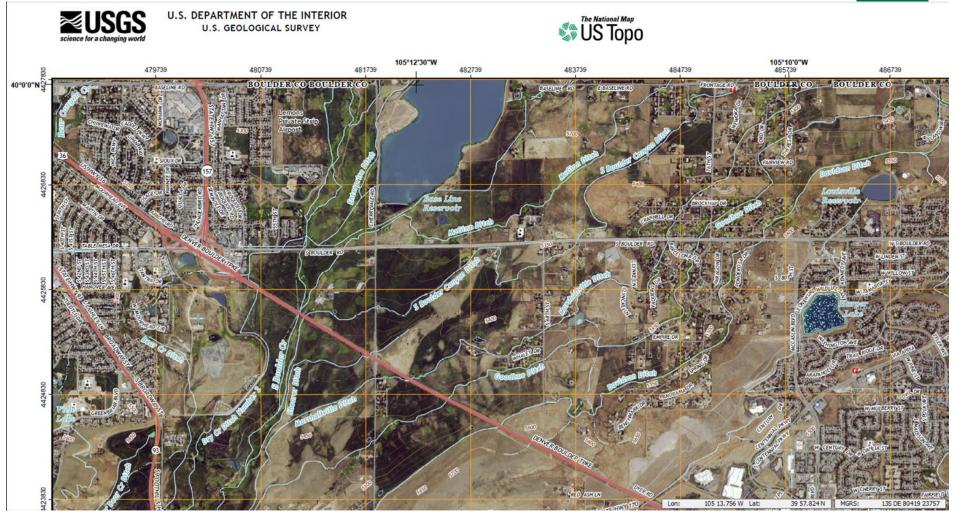


## <sup>+</sup> Map Comparison - Published US Topo





# <sup>+</sup> Map Comparison - exported from template

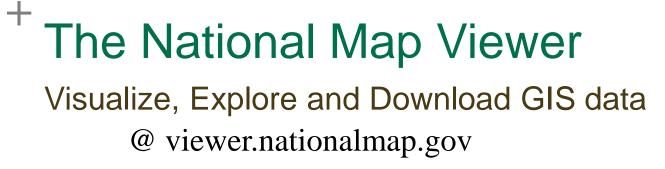


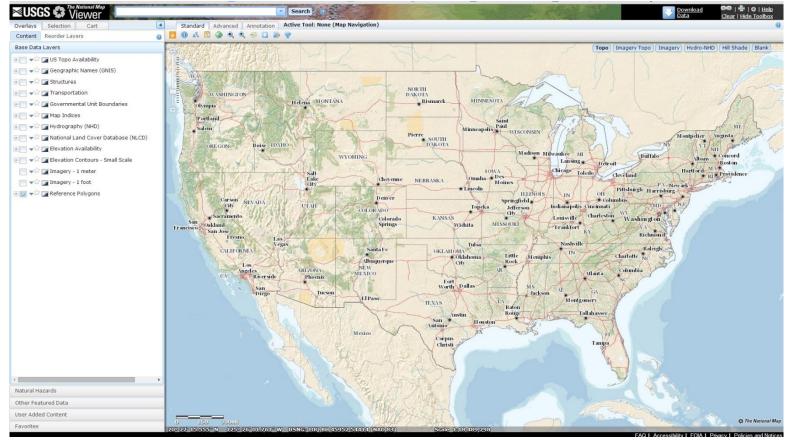


## + USGS Topo Web Base Map V3 Available May 2015

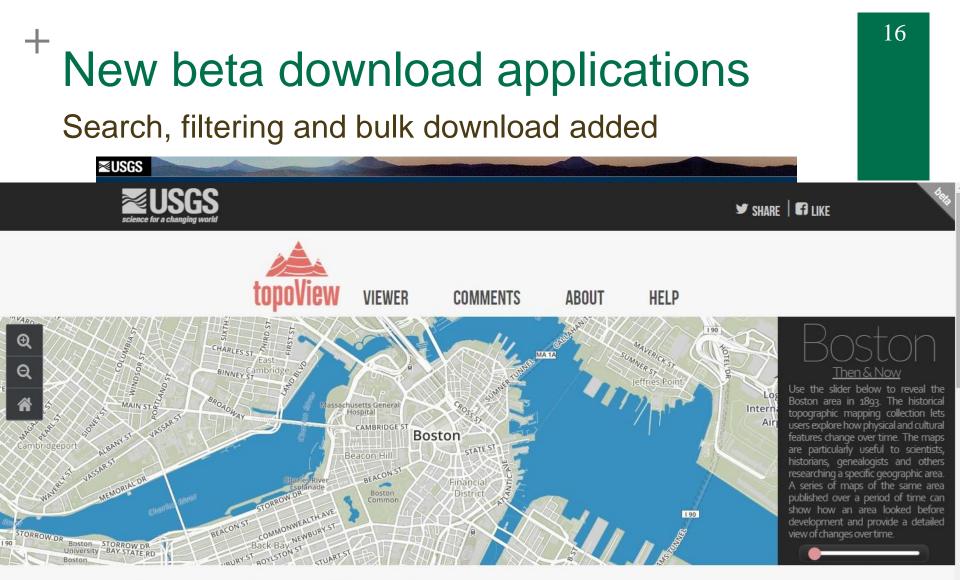












#### Accessing Historical Topographic Maps Has Never Been Easier

TopoView highlights one of the USGS's most important and useful products, the topographic map. In 1879, the USGS began to map the Nation's topography. This mapping was done at different levels of detail, in order to



# <sup>+</sup> DEMO

### Beta Downloader

ategories	
Keyword(s) e.g. Maps Date Range Search Products	Search location. Address/Place V Go Clear
	Map Indices: Not used Use Map Box/Point Current Extent
Filter Categories	+
National Boundary Dataset (NBD)	
National Boundary Dataset (NBD) - Map Indices	
National Elevation Dataset (NED)	N NONTANA NORTH DAKOTA
National Hydrography Dataset (NHD)	a C South Paulo WI
National Structures Dataset (NSD)	Milwaukeeo Chicagoo
National Transportation Dataset (NTD)	VADA UTAH COLORADO KANSAS
Small-scale Datasets	M OKLAHOMAZMISSOURI
US Topo	Angeles ARIZONA NEW MEXICO Oklahoma City AR Memphis Sc NC 3 Diego Phoenix DallastFort Mis Allanta Sc NC 3 ElPaso TEXAS Worth AI GA Jacksonvil Mexico San

500 km

300 mi

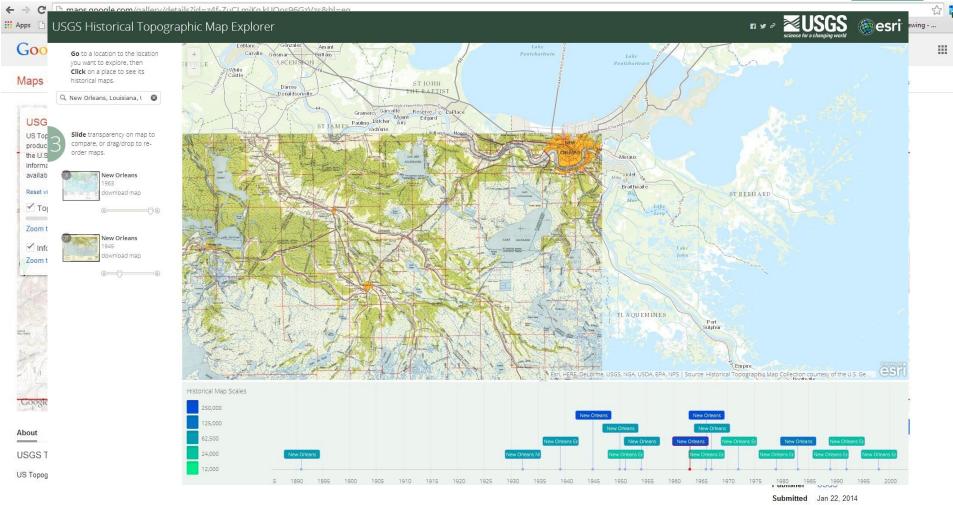


http://tnmbeta.cr.usgs.gov/bulk\_download\_beta/

36.03133, -118.08105

Leaflet

### +**Enabling Other Applications Examples**



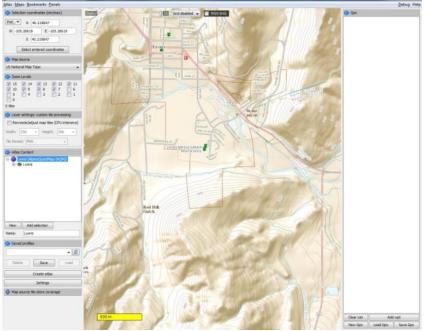
Restrictions 55 Learn more

18

....

# <sup>+</sup> The National Map in Mobile

### Stimulating the private sector



**MOBAC Atlas Creator** 

The National Map

Your Source for Topographic Information





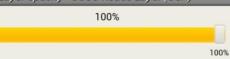
39°47'09.4" N 105°11'48.3" W

5

09

528ft (x0.8)

### AlpineQuest



## Download

Review of some key points

- Completing move to Staged Products
  - Process once reduce server footprint
- Moving to the Cloud
- Our Viewer development focus is more on an <u>enablement</u> role
  - Enterprise product index
  - Open API for Download
- Delivering a US Topo Cartographic Data Package by end of year



# **Questions?**

