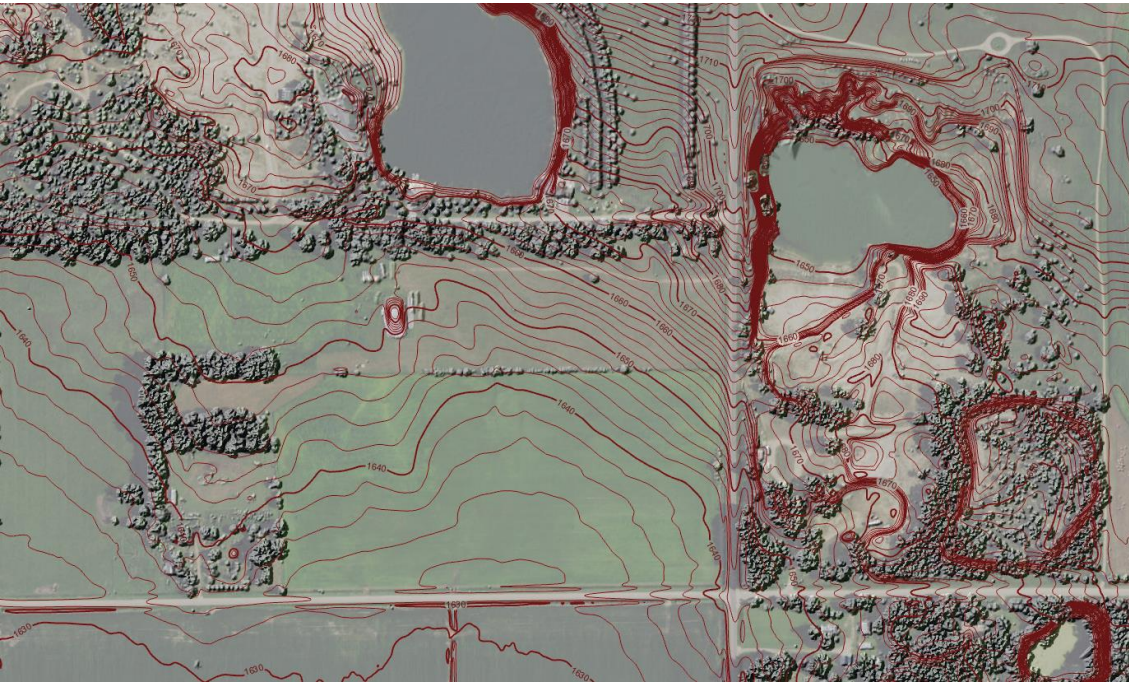




United States Department of Agriculture



NGCE, Fort Worth

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Elevation Data Acquisition Update

November 27, 2017 | Collin McCormick
National Elevation Leader

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Data Acquisition Updates

 **FY17/18 Contracts
& Acquisitions
Data Processing
State 3-Year Plans
National Bulletins**



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Data Acquisition Updates

 Acquisition Strategies

Requirements



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FY17/18 Contracts



**In FY18 NRCS is investing \$36.7 million in elevation
\$22 million last year (over 60% increase)**

**States appreciated the Centralized Strategy for a
consolidated Inter-Agency Agreement (IAA) submitted
by NGCE.**

- 14 States took the Centralized Strategy**
- 8 States have their own IAA with USGS.**
- 3 States have cooperative agreements with their state.**

**NGCE will offer this option again to further reduce
paperwork and take contracting burden off of states,
Grants & Agreements Service Branch, and USGS.**

Sum by contract type

Central IAA: \$15.2 million
State IAAs: \$15.2 million
State contract: \$6.2 million

Contract Capacity for NGCE IAA

\$134.8 million remaining

Modifiable through:
August 15, 2022



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FY17/18 Data Acquisitions

States acquiring data:

AK, AZ, CO, FL, GA, IL, KS, LA, ME, MO, MS, MT, NE, NM, OK, OR, PA, SC, SD, TN, TX, UT, VA, and WA

Expected delivery range: Spring 2018 – Spring 2019

Some flights already in the air.

Estimated Square miles: 847,873

(Square miles will change during task order negotiations for cost/square mile.)

Sum by contract type

Central IAA: \$15.2 million
State IAAs: \$15.2 million
State contract: \$6.2 million

Funds obligated in FY17
Tasks executed in FY17-19

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Enterprise Data Processing

Processing the data

- **Building contours**
- **Useful derivatives (bare earth, first return, slope, aspect, hillshade and canopy height models)**
- **Repair any data flaws**
- **Waterbody delineation for standardization**

Data Management & Distribution

- **Storing and sharing Big Data with IT best practices**

Making data accessible in enterprise applications

- **Conservation Desktop**
- **ArcGIS and AutoCAD Civil 3D**
- **Online portals such as NGCE's GeoPortal**

Resources needed For Processing

Infrastructure
Servers
Storage

Staff or funding to
outsource

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State 3-Year Data Acquisition Plans

NB 170-17-1: In FY17, States began to create 3-year elevation data acquisition plan

30 States responded with a plan

**4 States said they have full/sufficient coverage for now
AL, MI, NH, VT**

NGCE will continue and maintain this process to support the Centralized Strategy.

Meant to be updated annually based on actual acquisitions and changes in priorities, funding, and adding a year.

Published boundaries

NRCS Priority areas published on the Collaboration site:

<http://fedmap.seasketch.org/>

Updating planned/funded layer as we finalize AOIs.

Will publish soon.

Inventory of All Known Elevation:

<https://www.coast.noaa.gov/inventory>

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FY18 National Bulletin

Data Acquisition bulletin

- To be released second quarter FY18
- Will ask the states to update the 3-year plan
- Will offer the consolidated Inter-agency Agreement
- Will encourage partnerships
- Will link to online guide for elevation data acquisition.

Regional Conservationists' feedback

- Co-author bulletin?
- Continue with acquisition/contracting flexibility?



Acquisition Strategies

NGCE working with SSD leadership

- Spoke with David Lindbo this morning
 - Will explore strategies for how to fund the data.
 - How will acquisition areas be prioritized and vetted?
-
- Create a sense of urgency
 - Include elevation data as a project requirement
 - Submit initiative request
 - Request increase to operational funding
 - Seek best practices from USGS & NOAA (A16 Theme leads) and other agencies with expertise: USACE, NPA, USFWS.



Kotter's Change Model



Kotter, J. P. [Leading Change](#). Boston: Harvard Business School Press, 1996.



Defining Requirements



What do you need?

Resolution? Accuracy? Kinds of products?

Have the existing products met your needs?

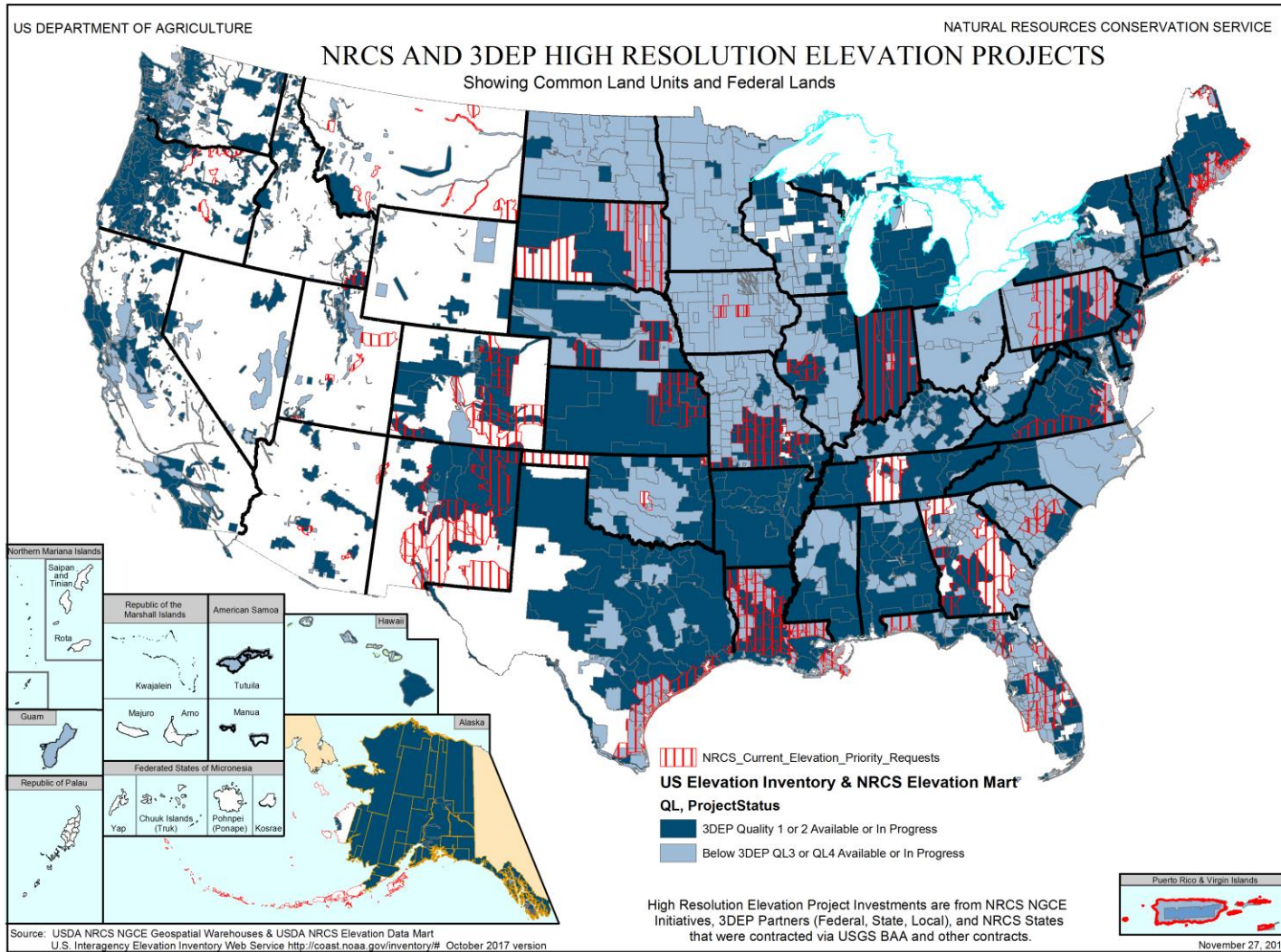
QL2b roughly equivalent to QL2 Topographic data standards

If not, consider attending the JABLTX workshop in June in Providence, RI and bring your requirements.

Do you want to use topobathy for habitat classification?



Priority Areas & In-Work/Existing Data



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