National Address Database Update

National Geospatial Advisory Committee

June 11, 2019

Presented by

Steve Lewis, U.S Department of Transportation
Since we last met

- **Good News** – After more than 2 months of being in “stop work” mode, the new NAD developer started in mid-September 2018

- **Bad News**
  - Only enough funding for $\frac{3}{4}$ time
  - There were several weeks lost due to knowledge transfer
  - The knowledge transfer was promptly followed by the 34 day government shutdown
New Partner - Texas

- Submitted data in December 2018
  - 9.3 million records
- Data was unparsed
- New developer had to parse the data and transform it to the NAD format
Texas Parsing

• Used an open source address parsing script hosted on GitHub developed by DataMade and the University of Sussex
  - [https://github.com/datamade/usaddress](https://github.com/datamade/usaddress)
• Parsing was done in 100,000 feature blocks to minimize rework due to parsing errors
• Base code was turned into a script to minimize the parsing translation from the native format to the NAD schema
Texas Parsing – Part 2

• Of the 9.3 million points, only 315 weren’t run through the parser due to missing data

• Lots of hours expended on this effort, resulting in 7.3 million records successfully parsed

• A report was generated and supplied to Texas in late May, but it’s unlikely any corrections will be made in the short term

• The 7.3 million points will be added to the NAD and included in the next release
New Partner - Wisconsin

• Submitted data in April 2019
  – 2.1 million points
• ETL and QA complete
• Of the 2.1 million points, about 300,000 were flagged as duplicates and about 400,000 having missing or incorrect address numbers
• Report was submitted to Wisconsin in early May
• The remaining 1.4 million had no errors and will be added to the NAD and included in the next release
New Partner – Wyoming

• No statewide address program, but WYGEO is helping to gather county data

• To date, 3 of the 24 Wyoming counties have agreed to provide data (~44,000 address points)

• Another 3 counties have parcel layers that could be turned into addresses

• Outreach continues
Existing Partners

• New Jersey and Ohio are still unable to provide updates
• Prioritizing updates from other partners by vintage of their NAD data
• Received update from New Mexico in April
• Received updates from New York/New York City and Montana last week
• Expect to receive updates from Arizona, Colorado, Delaware, Massachusetts, and Virginia over the next few weeks
Changing Status – Kansas

• Formerly in the “Not in the Public Domain” category

• Based on discussions with USDOT about the NAD, the Kansas GIO spent the last year lobbying the county data providers to grant permission to include their data in the NAD

• Of the 105 counties, 76 have agreed to release their data

• Expect a Kansas submission soon.
A second release of the NAD was made available in early May

File geodatabase and flat ASCII formats
  - [https://s3.amazonaws.com/nationaladdressdata/NAD_r2_WithMetadata.zip](https://s3.amazonaws.com/nationaladdressdata/NAD_r2_WithMetadata.zip)
  - [https://s3.amazonaws.com/nationaladdressdata/NAD_r2_ASCIIWithMetadata.zip](https://s3.amazonaws.com/nationaladdressdata/NAD_r2_ASCIIWithMetadata.zip)

Almost 47 million points

Includes basic metadata

Also available from the DOT website
  - [www.transportation.gov/nad](http://www.transportation.gov/nad)

Hope to do quarterly releases
## Address Theme and NAD Team Contacts

<table>
<thead>
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Puerto Rico Address Data Working Group

David Cackowski
Census Bureau
June 11, 2019
Puerto Rico Address Data Working Group

• Working Group Identified as a need at a workshop in October 2018

• Objective
  • Document and socialize proven practices for collecting, managing and sharing Puerto Rico address data within federal agencies
  • Encourage the implementation and update of existing national address standards for Puerto Rico addresses managed by federal agencies
  • Publish recommendations for address content that corresponds to the Proven Practices gathered across federal agencies.
Puerto Rico Address Data Working Group

- Kick-Off Meeting, April 2, 2019
- April 30 Meeting
  - Working Group Charter Approved
  - Agency Submittal of Proven Practice Inventory
  - Subgroup convened to write document detailing proven practices
- Subgroup will develop report 5/15-6/24/2019
- Working Group Wrap-Up Meeting June 27, 2019