

National Boundary Group Status Report

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Federal Geographic Data Committee (FGDC)

Coordination Group Meeting

October 3, 2017

National Boundaries Group (NBG)

- To have a federal effort leading toward national importance of boundaries and the A-16 data sets
- For all responsible federal agencies to achieve the following with boundaries:
 - Current (how is it defined by responsible agency)
 - Accurate (what is required by responsible agency)
 - Consistent (Between agencies)
 - Accessible (To federal agencies)
 - Integrated (Ability to use each other data without duplication)
- First meeting held March 14, 2011
 - Quarterly meetings starting in 2012

NBG Participating Agencies



- Bureau of Land Management (BLM)
- U.S. Forest Service (USFS)
- National Park Service (NPS)
- U.S. Fish and Wildlife Service (FWS)
- U.S. Geological Survey (USGS)
- U.S. Census Bureau (Census)
- Bureau of Reclamation (BOR)
- Bureau of Indian Affairs (BIA)
- National Geospatial-Intelligence Agency (NGA)
- U.S. Army Corps of Engineers (USACE)
- Library of Congress (LOC)
- Oak Ridge National Labs (ORNL)
- U.S. Department of Agriculture (USDA)
- Bureau of Ocean Energy Management (BOEM)
- National Oceanic and Atmospheric Administration (NOAA)
- Environmental Protection Agency (EPA)
- Department of Defense (DOD - DISDI)
- Department of Homeland Security (DHS)
- International Boundary Commission (IBC)
- International Boundary and Water Commission (IBWC)
- Federal Emergency Management Agency (FEMA)



National Boundaries Group

Accomplished 2017 Goals

- **Current, Accurate and Consistent Boundaries**
 - Census Bureau updated their international boundaries using the international boundary commissions' boundary data
 - Started update international boundaries for border counties
- **Accessible Boundary Data**
 - Provide shapefile
 - Coordinate information exchange

National Boundaries Group

Challenges and Opportunities for 2018

- Lead and coordinate outreach to federal agencies that consume or produce data sets define affect boundaries
- Reduce duplication of effort
- Increase the overall quality of shared boundary data
- Continue to provide an open forum for the exchange of ideas to improve the overall management of boundaries in federal data sets
- Identify new collaborative opportunities with tribal, federal, state, and local governments

Federal Lands Working Group



Monthly webinars and annual face-to-face for 5 years; Meeting notes published on the GeoPlatform Community Pages

Expanding Membership with USFS, BLM, NPS, FWS, BOEM, BIA, USBR, NRCS, and DoD

Co-chairs:

Lisa Johnson (USGS)

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Doug Vandegath (BOEM)

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Federal Lands Working Group

Objective and goals:

- To develop a data standard and the organizational strategies for federally own lands
- Publish aggregated fed lands geodatabase to meet common agency needs
- Complete paired agencies boundary adjudication effort
- Review data standards
- Guide workflow and contacts



Federal Lands Working Group

Goals for 2018

Goals for FY2018

1. Publish Source Data documentation
2. Publish Core Attribute standards
3. Document Common Agency needs to determine feature classes
4. Add new quality inputs from federal, state, local, and NGO data stewards
5. Support state data management capacity to complete the inventory
6. Continue outreach
7. Trust for Public Lands providing data for 14,000 municipalities



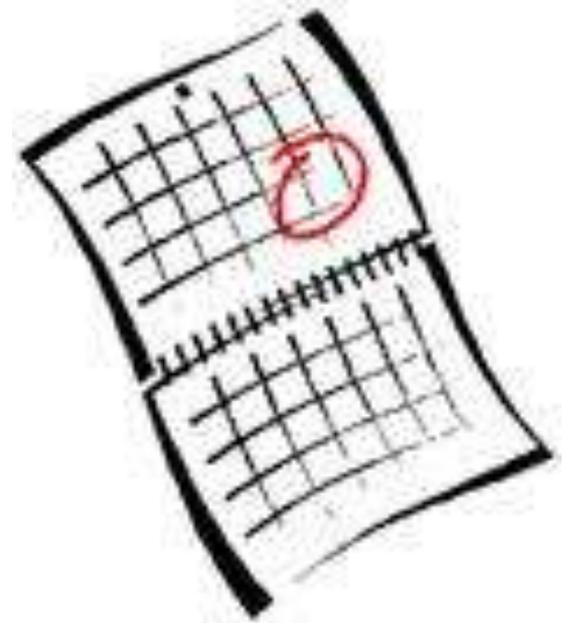
Tribal Boundaries Subgroup

Monthly meetings every first Wednesday for two years

Current membership from federal agencies, private industry, tribal organizations, and federally recognized tribes. Anyone is welcome to join.

Co-chairs:

- Lee Para (EPA) Pera.Lee@epa.gov
- Lyndsey Richmond (Census Bureau) lyndsey.richmond@census.gov



Tribal Boundaries Subgroup

Objective:

To provide a platform for different federal agencies and tribal governments to create a unified source of tribal boundary data and work together to disseminate data



- Collect use cases for population and economic data, mineral resources, criteria for tribal programs and post information from individual agencies on the FGDC GeoPlatform
- Encourage information exchange on legal boundaries, statistical boundaries, and cultural boundaries for tribal areas in direct contact with tribal governments
- Share resources and tribal boundary data needs across agencies

Tribal Boundaries Subgroup

Goals for 2018

Goals for FY2018

1. Finalize Charter
2. Continue to Document tribal boundary needs from agencies
3. Formalize definitions for types of tribal lands and boundaries
4. Create authoritative datasets and data quality
5. Develop consistent, accurate, integrated tribal boundary datasets and attributes
6. Publish and share information about tribal boundaries, legislation and/or program criteria
7. Ensure that all work will be done in direct contact with tribal governments.

U.S. Census Bureau (BOC) and the U.S. Department of the Interior (DOI) and the Bureau of Indian Affairs (BIA) Working Group

Formed on January 11, 2016 The Working Group collects and analyzes American Indian and Alaska Native (AIAN) data, related to geographic boundaries, terms, and data dissemination.

Mission of the Workgroup:

- to work together, collaboratively and cooperatively,
- to promote communication and collaboration between the two agencies, and
- improve the dissemination of accurate data, in furtherance of the government-to-government relationship between the United States and Indian tribes

Subgroups under working group:

- *Geospatial Group* –developing a process for integrating BIA’s authoritative Indian land boundary data into BOC’s geographic database and products, and to be used as a building block for future data collection.
- *Federal Datasets and Products Group* – identifying common data needs and gaps for tribes and federal agencies.
- *Communications Group* –developing an overall systematic communication plan for this agreement, with internal and external subgroups, agencies, tribes, and the Federal Geographic Data Committee (FGDC), and act as the point of contact for reporting between groups.

Governmental Unit, and Administrative and Statistical Boundary Theme

National Geospatial Data Assets for 2017

114th Congressional District
2010 Census 5-digit ZIP Code Tabulation Area
2010 Census Population & Housing Unit Counts
2010 Census Public Use Microdata Area
2010 Census Urban Area
2010 Census Voting District
2010 Urban Growth Area
Alaska Native Regional Corporation (ANRC)
American Indian Tribal Subdivision
American Indian/Alaska Native/Native Hawaiian
(AIANNH) Homeland Areas
Block Group
Census Block
Census Bureau Regional Office Boundaries
Census Tract
Combined New England City and Town Area
Combined Statistical Area
Consolidated City
County and Equivalent
County Subdivision
Elementary School Districts
Estate (US Virgin Islands)
Metropolitan Division
Metropolitan Statistical Area/Micropolitan
Statistical Area
NECTA Division
New England City and Town Area
Place
Secondary School District
State and Equivalent
State Legislative District (SLD) Lower Chamber
State Legislative District (SLD) Upper Chamber
Subbarrio (Subminor Civil Division)
Tribal Block Group
Tribal Census Tract
Unified School Districts
Roads (All Roads)
Traffic Analysis Zone

Governmental Unit, and Administrative and Statistical Boundary Theme

National Geospatial Data Assets for 2017

- Special Jurisdictions
- International
- Statistical
- Administrative
- Legal



Tippecanoe and Fountain Counties, IN survey marker.
Photo courtesy of Michael Ratcliffe 2015

Governmental Unit, and Administrative and Statistical Boundary Theme

National Geospatial Data Assets for 2017

Special Jurisdictions

- Regional Boundaries (EPA)
- Regional Boundaries (HUD)
- HUD Entitlement Grantee Jurisdiction
- BLM Administrative Boundaries (BLM)
- National Weather Service Forecast Boundaries (NOAA-NWS)
 - Presented removal to Coordination group May 2017

International Boundaries

National Boundaries Group

National Boundaries Group coordinate with the international boundary commissions

- International Boundary Commission (IBC)
 - The Census Bureau continues to work with IBC on the incorporation of the IBC boundary
 - Released on IBC website shapefiles of the international boundary in early 2017
 - Plan to release updated shapefiles by end of the year
 - Currently reviewing data with Canadian counter parts
- International Boundary and Water Commission
 - On Hold



Statistical Pre 2020 Census

Statistical geography concerns geographical areas defined solely for data collection, tabulation and analysis

- Pre 2020 Census
 - Alaska Native Village Statistical Areas (ANVSAs)
 - Combined Statistical Area
 - Participant Statistical Area Program
 - Census Designated Place
 - Census Tract
 - Block Group
 - Oklahoma Tribal Statistical Areas
 - Tribal Census Tract
 - Tribal Block Group
- Post 2020 Census
 - Metropolitan Statistical Area/Micropolitan Statistical Area
 - Metropolitan Division
 - Public Use Microdata Area Urban Areas

Administrative

Administrative measures create administrative boundaries, specify their governmental or administrative functions, and contain provisions for establishing and changing their names and boundaries

- **Redistricting Data**
 - Congressional District
 - State Legislative District (Upper and Lower Chambers)
 - Block Boundary Suggestion Project
- **School District (Elementary, Secondary, Unified)**
- **ZIP Code Tabulation Area**

Legal

Legal entities originate from legal actions, treaties, statutes, ordinances, resolutions, court decisions, etc.

- Alaska Native Regional Corporation.
- American Indian/Alaska Native/Native Hawaiian Area.
- American Indian Tribal Subdivision.
- Place
- Consolidated City
- County and Equivalent
- County Subdivision
- New England City and Town Area.
- State and Equivalent
- Subbarrio
- Subminor Civil Division
- Urban Growth Area



Mason Dixon Line.

Photo courtesy of Michael Ratcliffe 2015

Boundary & Annexation Survey

What is It?

- An annual survey of all governments to collect legal boundaries in effect on January 1st of the BAS year
<<https://www.census.gov/programs-surveys/bas.html>>
- 2017 Boundary and Annexation Survey received changes from over 4,450 governments

Boundary and Annexation Survey (BAS)

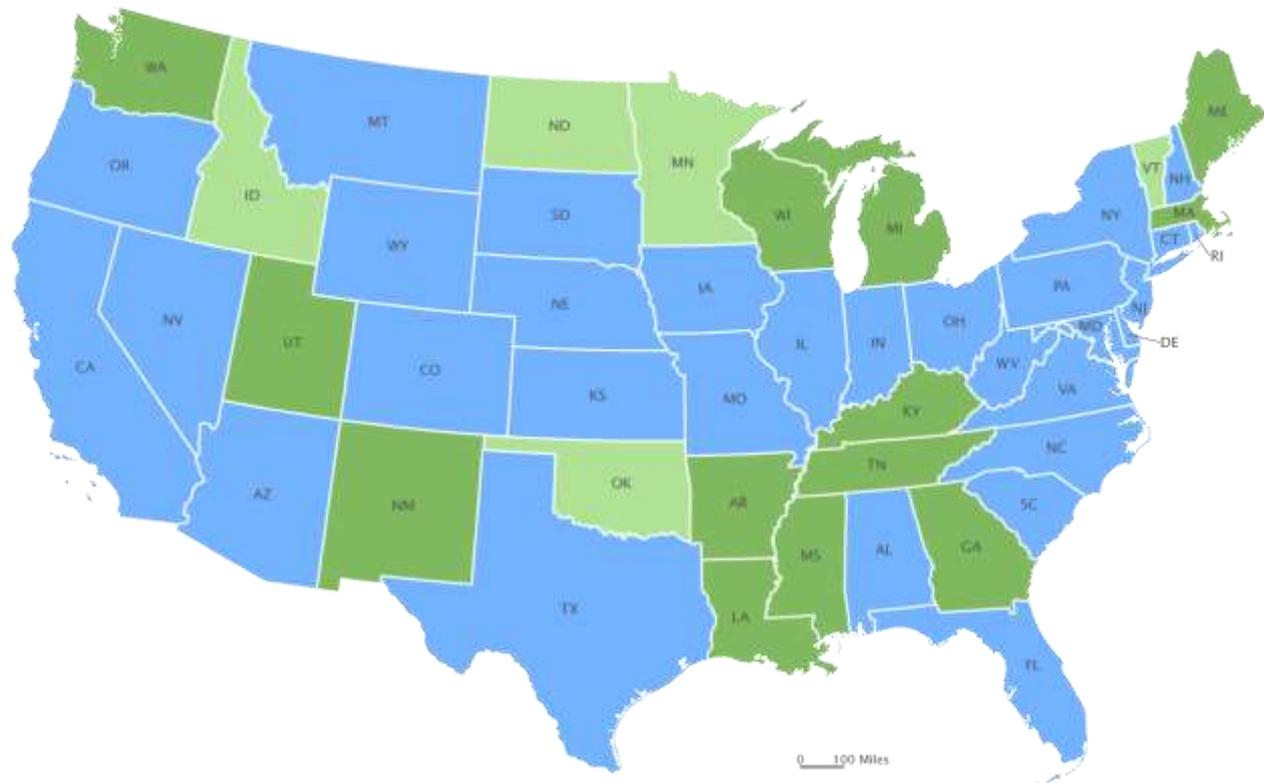
BOUNDARY AND ANNEXATION SURVEY State Agreements



Agreement Status

- Current Agreement
- Agreement in Discussion
- No Agreement

Data current as of August 25, 2017



Boundary and Annexation Survey (BAS)

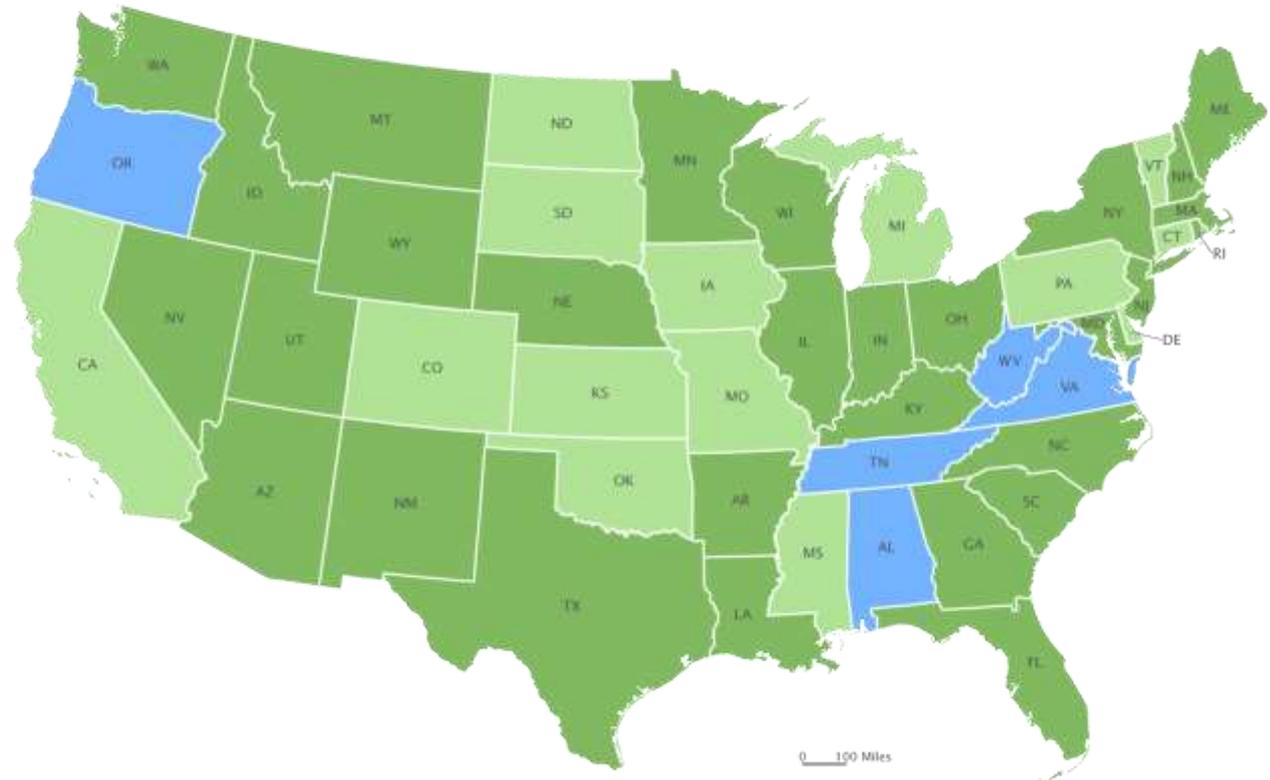
BOUNDARY AND ANNEXATION SURVEY State Certification Participation



Certification Status

- Certification Submitted
- No Response
- No Governor-Appointed State Certifying Official (SCO)

Data current as of August 25, 2017



Boundary and Annexation Survey (BAS)

- 2020 Redistricting Data Program (RDP)
 - State RDP Liaisons may submit boundary updates
 - Census BAS staff coordinates any RDP-submitted updates with local BAS official for the jurisdiction
 - More info on 2020 Redistricting Data Program
<https://www.census.gov/rdo/>
- Boundary Quality Assessment and Reconciliation Project (BQARP)
 - Compare locally sourced data (acquiring whole data sets, not transaction polygons) to adjust Census Bureau boundaries
 - Align to parcel and Public Land Survey System boundaries, where applicable
 - Review legal descriptions
 - Coordinate efforts with state and local partners
 - Lock boundaries in place to prevent changes without legal documentation

National Boundary Group Contacts



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