MSDI Administrative Boundary Update

Meghan Burns, Montana State Library

Thursday April 8, 3:00 - 3:20 PM MDT

OUTLINE

General Info

Montana Spatial Data Infrastructure (MSDI) Boundary Updates

- Layer Geometry and Attribute updates
- Voting Precincts – New Layer and Service!
- Planned Updates

U.S. Census Bureau Program Updates

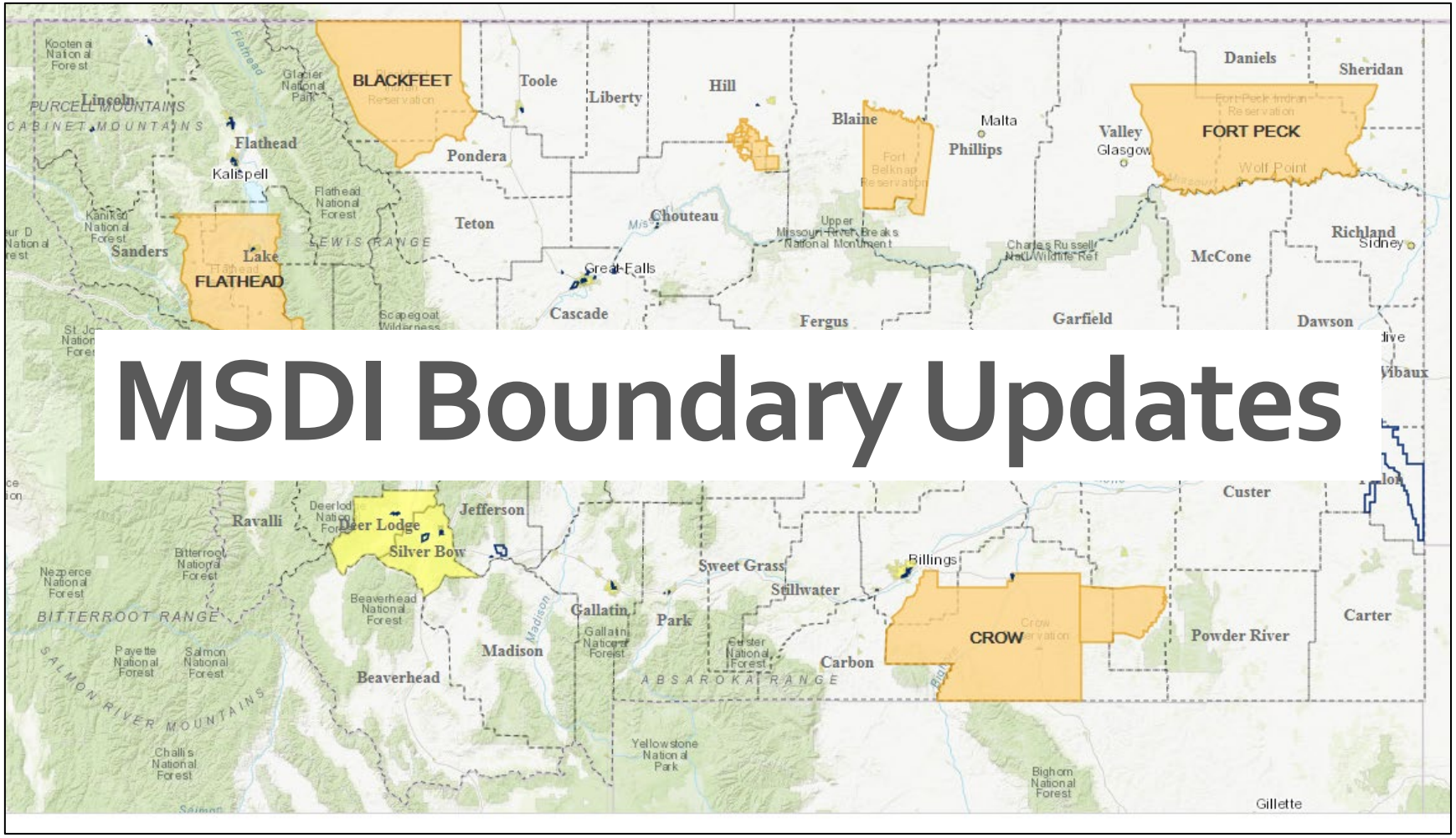
- Boundary and Annexation Survey (BAS)
- School District Review Program (SDRP)
- Voting Districts (VTD) – Redistricting Data Program

GENERAL INFO

MSDI Administrative Boundaries

- Available Layers: Incorporated Cities/Towns, Counties, Weed Districts, Tribal Nations Reservations, Tax Increment Financing Districts (TIFDs), School Districts, Voting Precincts, State Boundary
- Also publish Managed Areas
- File GDBs and Shapefiles available on FTP
- Web Services available for each layer
- Metadata, Data, Web Map, and Web Services are all available here: http://msl.mt.gov/GIS/Boundaries
- Data also discoverable in the Data List:
  - http://msl.mt.gov/GIS/DataList

MSDI Boundary Updates



MSDI BOUNDARY UPDATES

Layer Updates

- Incorporated Cities and Towns (boundaries and annexations)
- School District Update (boundaries, superintendents, & enrollment numbers)
- Tax Increment Financing Districts (TIFDs)
- New! Voting Precincts Layer

Changes are listed on http://msl.mt.gov/GIS/Boundaries

MSDI BOUNDARY UPDATES

- **November 2020**
  - Added new field: COUNTY NUMBER (alphabetical county code), and updated Precinct Names to match SOS
- **October 2020**
  - School Districts: Geyser EL (LE0472) was annexed into Geyser HS (LE0473) to form Geyser K-12 (LE0473); Updated the school district county superintendents table
- **June 2020**
  - Incorporated Cities and Towns: Updated Belgrade, Billings, Bozeman, Bridger, Deer Lodge, Great Falls, Hardin, Helena, Kalispell, Missoula, Plains, and Whitefish
  - Tax Increment Financing District (TIFD): Terminated Whitefish A (Flathead), Modified Lewistown TEDD (Fergus), Modified Helena Downtown URD (Lewis and Clark), Added BSB Harrison Ave S URD (Silver Bow), Added Wheatland TEDD (Broadwater), Added Downtown Kalispell URD (Flathead)
- **February 2020**
  - Published geometry and attribute updates Voting Precincts in Montana
  - Updated the school district enrollment tables with the FY2019 data from the Montana Office of Public Instruction (OPI)
- **December 2019**
  - Published new statewide dataset of the Voting Precincts in Montana
- **November 2019**
  - Updated the school district county superintendent table with data from the Montana Office of Public Instruction (OPI); Harlowton EL (LE0945) was annexed into Harlowton K-12 (LE0946); Update Charlo EL, Charlo HS, and St Ignatius K-12 boundary (T19N R20W Section 14); Update Missoula HS and Bigfork HS Districts; Update Upper West Shore EL; Update Box Elder EL, Cottonwood EL, Havre EL, North Star EL, and Rocky Boy EL
- **May 2019**
  - Incorporated Cities and Towns: Updated Circle Boundary; Added BAS_ID attribute and related table with Annexations and Legal Boundary Changes recorded through the US Census Bureau Boundary and Annexation Program (BAS)
- **April 2019**
  - Incorporated Cities and Towns geometry updates for Columbus and Dillon
  - Presented update on Administrative Boundaries at the 2019 Big Sky GeoCon in Butte, MT (View Presentation)
  - Tax Increment Financing District (TIFD): Added Lockwood TEDD Expansion (Yellowstone), Helena URD (Lewis and Clark), Columbia Rising TEDD (Flathead), North Hamilton URD (Ravalli), Downtown Roundup URD (Musselshell), Miles City Downtown URD (Custer), Glacier Rail Park (Flathead), South Bozeman (Gallatin), Kootenai Business Park (Lincoln), and updated the Uptown Butte URD; Updated Years (Year Established, Year Expires) and added new field for Base Year from the Department of Revenue

MSDI BOUNDARY UPDATES

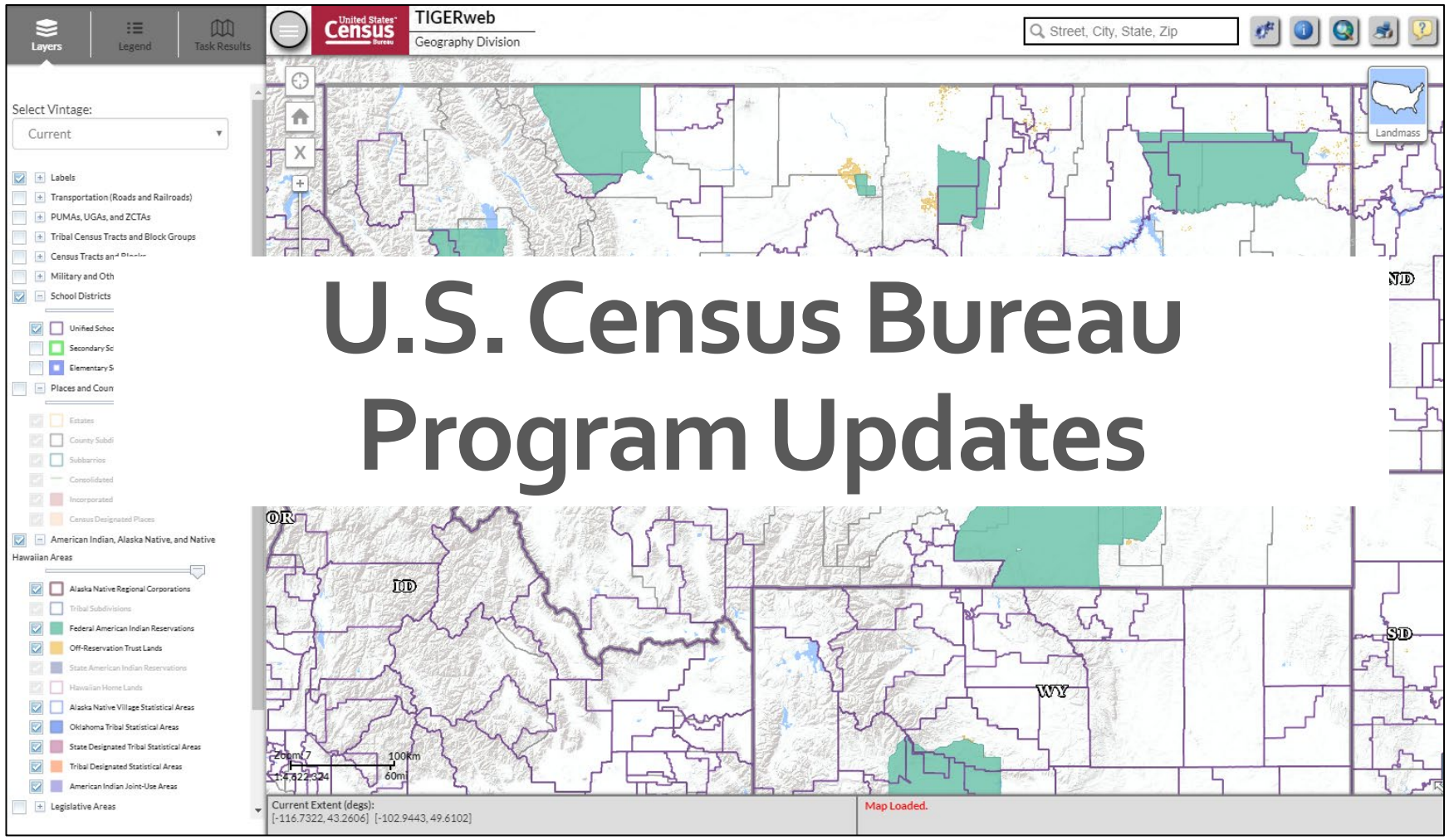
Planned Updates

- Projection Changes to NAD83 (2011) - WKID: 6514 planned for July 1, 2021
- Schema Changes – Add Unique IDs / Replace Global Ids
- Annual updates to all datasets and alignment to latest CadNSDI
  - Find more info here: http://msl.mt.gov/GIS/PLSS

MSDI BOUNDARY UPDATES

Additional Updates

- Connecting GIS and Elections Systems
- Partnering with the Secretary of State to map all voting districts
  - Wards, Fire, Judicial, Water & Sewer, Irrigation, etc.
- Find out more at the session: Integrating GIS into Elections
  - Wednesday April 7th, 2:40 - 3:00 PM MDT



U.S. Census Bureau Program Updates

U.S. CENSUS BUREAU PROGRAM UPDATES

U.S. Census Bureau Program Updates

- Boundary and Annexation Survey (BAS)
- School District Review Program (SDRP)
- Voting Districts (VTD) – Redistricting Data Program

U.S. CENSUS BUREAU PROGRAM UPDATES

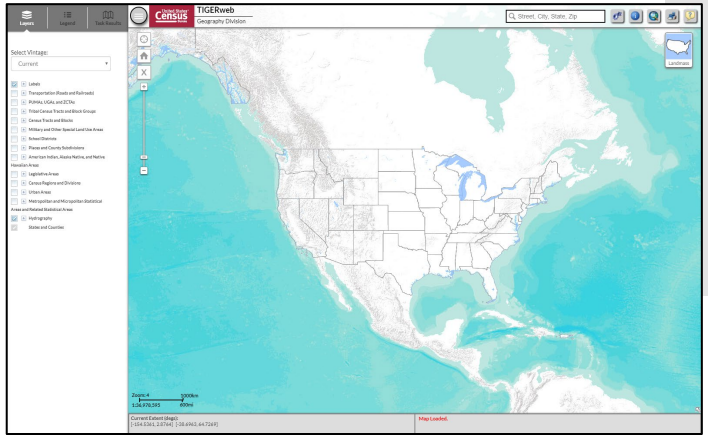
Boundary and Annexation Survey Program (BAS)

- Annual Program
- 2021 BAS Schedule
  - January 1, 2021 – Changes must be legally in effect on or before
  - March 1, 2021 – Changes will be reflected in ACS/PEP
  - **May 31, 2021** – Deadline to submit changes to be included in next year's BAS materials
  - https://www.census.gov/programs-surveys/bas/news-updates/updates/bas-schedule.html
- All Places (cites, towns, counties) are asked to participate
- Even if you do not have changes, please respond to the survey with "No Changes" and review and update your contact information

U.S. CENSUS BUREAU PROGRAM UPDATES

Boundary and Annexation Survey Program (BAS)

- Survey Response Options:
  - No Changes (Submit online form)
  - Boundary Updates:
    - Digital BAS (using your preferred software) – submit online
    - GUPS (Census Provided Software) – submit online
    - Paper BAS (use map sheets provided by Census)
- View and Download Data:
  - Legal Boundary Change/Annexation Data 1980 – 2020
    - https://www.census.gov/geographies/reference-files/time-series/geo/bas/annex.html
  - TIGERweb Applications (Interactive Web App)
    - https://tigerweb.geo.census.gov/tigerweb/



U.S. CENSUS BUREAU PROGRAM UPDATES

School District Review Program (SDRP)

- Annual program
- 2020 SDRP Schedule
  - June 2020 – Designate a School District Mapping Coordinator
    - Mapping Coordinator
      - Works with OPI and School District Superintendents to verify and update:
        - Elementary, Secondary, Unified (K-12) Boundaries
        - School District Names
        - Grade Level
  - September 2020 – Receive instructions and materials
  - December 2020 – Deadline to submit changes
  - April 2021 – Verification Phase
  - https://www.census.gov/programs-surveys/sdrp/about/schedule.html
- Work with OPI and County Superintendents to obtain updates

U.S. CENSUS BUREAU PROGRAM UPDATES

Voting District Program

- Only 36 counties were submitted in 2009 for 2010 Census
- Phase 2 of the 2020 Census Redistricting Data Program
  - Initial Verification of Updates Dec 2017 – May 31, 2018
  - Verification of Updates – Dec 2018 – May 31, 2019
  - Verification of Updates II – Dec 2019 – March 31, 2020
  - https://www.census.gov/programs-surveys/decennial-census/about/rdo/program-management.html#par_textimage_3
- Montana Department of Commerce awarded an MLIA grant to collect and submit changes to Voting Districts for Montana
  - http://docs.msl.mt.gov/MLIAC/FY2019/FY2019_Commerce.pdf
- **The complete statewide Voting Precincts are now available through the Montana State Library**
  - http://msl.mt.gov/GIS/Boundaries

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