

VEST ID 2018

State: Idaho

Organization: Voting and Election Science Team (VEST)

Summary of Races included: Governor, Lt. Governor, Secretary of State, State Controller, State Treasurer, Attorney General, Superintendent of Public Instruction [General]

Date File Updated: 06/26/2020

Date Report Updated: 07/08/2021

RDH Validation Code (Github): <https://github.com/nonpartisan-redistricting-datahub/pdv-id>

RDH Criteria	Explanation
<p>Is all raw data available?</p> <p>No</p>	<p>Accessible files:</p> <ul style="list-style-type: none"> ● VEST ID 18 data file <ul style="list-style-type: none"> ○ Accessed 06/23/21, Source: VEST ○ https://dataverse.harvard.edu/file.xhtml?persistentId=doi:10.7910/DVN/UBKYRU/DFEQHK&version=41.0 ● VEST ID 18 documentation file <ul style="list-style-type: none"> ○ Accessed: 06/23/21, Source: VEST ○ https://dataverse.harvard.edu/file.xhtml?fileId=4863187&version=41.0 ● ID Precinct-Level Election Results <ul style="list-style-type: none"> ○ Accessed: 05/20/21, Source: ID Secretary of State ○ https://sos.idaho.gov/elections-division/election-results/ ○ File name: 18gen_stwd_pct.xls (available upon request) ● ID Voting Precincts 2018 Shapefile <ul style="list-style-type: none"> ○ Accessed: 05/18/21, Source: U.S. Census Bureau's 2020 Redistricting Data Program Phase 2 release ○ https://www.census.gov/geo/partnerships/pvs/partnership19v2/st16_id.html ○ Note: Up to 5 downloaded at a time ● Ada County Shapefile <ul style="list-style-type: none"> ○ Notes: Emailed Ada election office 06/28/21 ○ https://adacounty.id.gov/elections/maps/#Precinct_Maps Click "County Mapper"

- Adams County Shapefile
 - Notes: Emailed 06/28/21 Only PDF map available
 - https://co.adams.id.us/wp-content/uploads/VoterPrecincts_18x24_140117.pdf
- Bannock County Shapefile
 - Notes: Emailed 06/28/21 Shapefile only available for \$100
 - <https://bannock.maps.arcgis.com/home/index.html>
- Bingham County Shapefile
 - Notes: Emailed 06/28/21 Needed payment to release shapefile.
 - https://www.co.bingham.id.us/bingham_county_gis_mapping/interactive_gis.html
- Boise County Shapefile
 - Notes: Accessed 06/28/21 Only PDF maps available
 - https://boisecounty.us/wp-content/uploads/2020/02/234precinctmap_00000000052.pdf
- Bonner County Shapefile
 - Notes: Emailed 06/28/21 Only online GIS available
 - <https://cloudgis.bonnercountyid.gov/portal/home/index.html>
- Cassia County Shapefile
 - Notes: Emailed 06/28/21 Only PDF maps available
 - <https://www.cassiacounty.org/Election-Maps>
- Clearwater County Shapefile
 - Accessed: 07/06/21, Source: Clearwater County
 - File: Available upon request
- Custer County Shapefile
 - Notes: Emailed county clerk(6/28/21) received the link below.
 - <https://www.greenwoodmap.com/custer/map#zcr=0.7558953227010576/1557500/935000/0&lyrs=statefed.ownership.cities.roads>
- Fremont County Shapefile
 - Notes: Emailed 06/28/21 Only online GIS available
 - https://www.co.fremont.id.us/departments/planning_building/gis/index.htm
- Jefferson County Shapefile
 - Accessed: 07/06/21, Source: Jefferson County
 - File: Available upon request
- Kootenai County Shapefile
 - Notes: Emailed 06/28/21 Only PDF maps available
 - <https://www.kcgov.us/319/Individual-Precinct-Maps>

- Latah County Shapefile
 - Notes: Emailed 06/28/21 Only PDF maps available
 - <https://api.latah.id.us/web/DownloadFileEx?filename=Official%20Voter%20Precinct.pdf>
- Madison County Shapefile
 - Notes: Emailed 06/29/21 Only PDF maps available
 - <https://www.co.madison.id.us/departments/elections/65-august-28-2018-election-precinct-voting-location-map>
- Minidoka County Shapefile
 - Notes: Emailed 06/29/21 Only PDF maps available
 - <https://www.minidoka.id.us/178/Voting-Precincts>
- Nez Perce
 - Notes: Emailed 06/29/21 Only PDF maps available
 - <https://www.co.nezperce.id.us/Elected-Officials/Clerk-Auditor/Elections/Precinct-List>
 - Click on “Maps of Precincts” on right side
- Oneida County Shapefile
 - Notes: Emailed 06/29/21 Only online GIS available
 - <https://maps.idahoparcels.us/web/>
 - Click Oneida County
- Power County Shapefile
 - Notes: Emailed 06/29/21 Only PDF maps available
 - <https://www.co.power.id.us/power-county-clerk-auditor-recorder/precinct-and-taxing-district-maps/>
- Twin Falls County Shapefile
 - Notes: Emailed 06/29/21 Only PDF maps available
 - <https://twinfallscounty.org/wp-content/uploads/TFCo-Legislative-Districts-002.pdf>
- Valley County Shapefile
 - Notes: Emailed 06/29/21 Only online GIS available
 - <http://www.co.valley.id.us/departments/election-information/>
 - Click “Taxing Districts/Voter Info”

Inaccessible files:

- Bear Lake County Shapefile
 - Notes: No shapefile or PDF maps
- Benewah County Shapefile
 - Notes: No shapefile or PDF maps
- Lemhi County Shapefile
 - Notes: Emailed 06/28/21 No shapefile or PDF maps
- Lewis County Shapefile

	<ul style="list-style-type: none"> ○ Notes: Emailed 06/28/21 No shapefile or PDF maps
<p>Processing steps available?</p> <p>Yes</p>	<p><u>Description of processing steps:</u></p> <ul style="list-style-type: none"> ● The full processing steps can be accessed at the link above and were accessed on 06/23/21. Part of the documentation is copied below: <ul style="list-style-type: none"> ○ Election results from Idaho Secretary of State (https://sos.idaho.gov/elections-division/election-results/). ○ Absentee votes were reported countywide or by legislative district for Adams, Bannock, Blaine, Boise, Bonneville, Clearwater, Custer, Elmore, Franklin, Fremont, Gem, Gooding, Idaho, Jefferson, Jerome, Kootenai, Latah, Lemhi, Lewis, Madison, Minidoka, Nez Perce, Owyhee, Shoshone, Teton, Twin Falls, Valley. These were distributed by candidate to precincts based on their share of the precinct-level vote for the given reporting unit. ○ Precinct shapefiles from the U.S. Census Bureau's 2020 Redistricting Data Program Phase 2 release, except the following counties used shapefiles sourced from the respective county governments instead: Ada, Adams, Bannock, Bingham, Boise, Bonner, Cassia, Clearwater, Custer, Fremont, Jefferson, Kootenai, Latah, Lemhi, Lewis, Madison, Minidoka, Nez Perce, Oneida, Power, Twin Falls, Valley. ○ County borders in all county-sourced shapefiles were aligned to the U.S Census Bureau's boundaries. ● The documentation also includes a list of precinct boundary modifications. ● We were able to distribute absentee votes based on processing steps and perform the merges, when we had a county shapefile. For some splits, we could visually confirm them, but did not perform them. <p><u>Information not in their processing steps:</u></p> <ul style="list-style-type: none"> ● List of name changes for precincts between election results and VEST's file. ● In Madison County VEST's map differs from the county precinct map. Specifically in Plano, Salem, and Sugar City precincts. Also Moody/17 has significant changes.
<p>Able to replicate joining election data and</p>	<p>No, we were unable to replicate joining election data and shapefiles because we did not have shapefiles available for every county.</p>

<p>shapefiles?</p> <p>No</p>	<p>For the counties in which we did have the appropriate shapefile, we were able to join 393 of 396 precincts, with the 3 unjoined precincts being election results precincts that required a shapefile split.</p> <p>For some counties, we were unable to locate a shapefile, but could find a precinct map. For these counties, we took a quick look to see if the precinct names appeared to match the election results. This was the case in Ada, Adams, Bannock, Bingham, Boise, Bonner, Cassia, Custer, Fremont, Kootenai, Latah, Lemhi, Lewis, Madison, Minidoka, Nez Perce, Oneida, Power, Twin Falls and Valley counties.</p> <p>For 6 counties (Bear Lake, Benewah, Butte, Fremont, Idaho, Lemhi), we were unable to locate any map or shapefile and thus unable to replicate or check this join.</p>
<p>Able to replicate joining demographic data to block-level shapefiles?</p> <p>N/A</p>	<p>There is no demographic data on the file.</p>
<p>Able to replicate joining boundary data?</p> <p>N/A</p>	<p>There is no boundary data on the file.</p>
<p>Successfully ran validation?</p> <p>No</p>	<p><u>Election results:</u> Yes</p> <ul style="list-style-type: none"> • We validated the election results at the state, county and precinct levels. • At the state-level, candidate vote totals matched exactly. The statewide race totals also matched the totals from the State Canvass report (https://sos.idaho.gov/elect/results/2018/General/statewide_totals.html) on the ID SOS website.

- At the county-level, candidate vote totals matched except for one vote difference for Governor Write-In candidates in two counties. In looking at the state election results website, it seems as though VEST swapped these votes. We will reach out to VEST so they can make this change.
- At the precinct-level candidate vote totals matched except for a number of one vote differences. Most likely caused by rounding differences when assigning absentee votes.

Geographies: No

- We were not able to fully validate the geographies, as we did not have shapefile data for every county.
- For the counties where we did have shapefile data, we were able to validate 362 precincts. There were 365 total precincts in VEST's file for these counties, but we were unable to perform the splits to create the additional 3. Of the 362 precincts we were able to compare:
 - 69 precincts w/ a difference of 0 km²
 - 223 precincts w/ a difference between 0 and 0.1 km²
 - 42 precincts w/ a difference between 0.1 and 0.5 km²
 - 8 precincts w/ a difference between 0.5 and 1 km²
 - 4 precincts w/ a difference between 1 and 2 km²
 - 8 precincts w/ a difference between 2 and 5 km²
 - 8 precincts w/ a difference greater than 5 km²
- VEST lists a number of shapefile changes that we did not carry out that could explain most of these differences. The notebook contains a print out of all differences larger than .5km².
- For a number of counties, we were unable to locate shapefiles, but able to locate county government maps. For these counties, we visually spot checked VEST's maps.
 - Counties where VEST appeared to match county maps: Ada, Adams, Bannock, Bingham, Bois, Bonner, Cassia, Custer, Gooding, Kootenai, Latah, Lewis, Minidoka, Nez Perce, Oneida, Power, Twin Falls, Valley
 - Counties where VEST did not appear to match county maps: Madison
- Lastly, there were 6 counties in which we were unable to locate either a shapefile or a map: Bear Lake, Benewah, Butte, Fremont, Idaho, Lemhi.