

## VEST NJ 2018

**State:** New Jersey

**Organization:** Voting and Election Science Team (VEST)

**Summary of Races included:** U.S. Senate. [General]

**Date File Updated:** 11/25/2021

**Date Report Updated:** 12/02/2021

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

RDH Criteria	Explanation
<p>Is all raw data available?</p> <p>Yes</p>	<p><b><u>Accessible files:</u></b></p> <ul style="list-style-type: none"> <li>● VEST NJ 18 data file <ul style="list-style-type: none"> <li>○ Accessed 11/30/21, Source: VEST</li> <li>○ <a href="https://dataverse.harvard.edu/file.xhtml?fileId=5431951&amp;version=52.0">https://dataverse.harvard.edu/file.xhtml?fileId=5431951&amp;version=52.0</a></li> </ul> </li> <li>● VEST NJ 18 documentation file <ul style="list-style-type: none"> <li>○ Accessed: 11/30/21, Source: VEST</li> <li>○ <a href="https://dataverse.harvard.edu/file.xhtml?fileId=5431950&amp;version=52.0">https://dataverse.harvard.edu/file.xhtml?fileId=5431950&amp;version=52.0</a></li> </ul> </li> <li>● NJ Municipal-Level Election Results <ul style="list-style-type: none"> <li>○ Accessed: 11/23/21, Source: Open Elections</li> <li>○ <a href="https://github.com/openelections/openelections-data-nj">https://github.com/openelections/openelections-data-nj</a></li> </ul> </li> <li>● NJ Municipal Wards 2021 Shapefile <ul style="list-style-type: none"> <li>○ Accessed: 11/18/21, Source: New Jersey Geographic Information Network</li> <li>○ <a href="https://njogis-newjersey.opendata.arcgis.com/datasets/election-districts-for-new-jersey">https://njogis-newjersey.opendata.arcgis.com/datasets/election-districts-for-new-jersey</a></li> </ul> </li> </ul>
<p>Processing steps available?</p> <p>Yes</p>	<p><b><u>Description of processing steps:</u></b></p> <p>The full processing steps can be accessed at the link above and were accessed on 11/30/21. Part of the documentation is copied below:</p> <ul style="list-style-type: none"> <li>● Election results primarily from individual county canvass reports via OpenElections (<a href="https://github.com/openelections/openelections-data-nj/">https://github.com/openelections/openelections-data-nj/</a>). Results from Camden, Cape May, Essex, Hunterdon, Middlesex, and Salem counties were partly or wholly replaced using the Statement of the Vote from the respective counties.</li> </ul>

	<ul style="list-style-type: none"> <li>• Precinct shapefile from New Jersey Geographic Information Network (<a href="https://njogis-newjersey.opendata.arcgis.com/datasets/election-districts-fo-r-new-jersey">https://njogis-newjersey.opendata.arcgis.com/datasets/election-districts-fo-r-new-jersey</a>). Naval Weapons Station Earle in Monmouth County was added as an unassigned district.</li> <li>• All counties except Sussex and Warren report mail votes and provisional votes at the municipal and/or ward level. Essex, Gloucester, Hudson, Monmouth, Ocean, and Union further subdivide these vote types by other districts on the same ballot. Camden, Cape May, Essex, Gloucester, Hudson, Monmouth, Morris, Salem, and Sussex reported overseas ballots countywide or by congressional district. All votes were distributed by candidate to precincts based on their share of the precinct-level reported vote of the respective reporting unit.</li> <li>• The following modifications to the shapefile were made to reverse changes in precinct boundaries enacted since 2018.</li> <li>• Hudson: Merge Jersey City Ward E 9/24, 6/25</li> </ul> <p><b><u>Information not in their processing steps:</u></b></p> <ul style="list-style-type: none"> <li>• List of precinct name changes from Election Results.</li> </ul>
<p><b>Able to replicate joining election data and shapefiles?</b></p> <p>N/A</p>	<p>We did not attempt to join election data and shapefiles at this time due to the work required to obtain precinct level results and filter out the absentee results from the precinct-level election results prior to the join.</p>
<p><b>Able to replicate joining demographic data to block-level shapefiles?</b></p> <p>N/A</p>	<p>There is no demographic data on the file.</p>
<p><b>Able to replicate joining</b></p>	<p>There is no boundary data on the file.</p>

<p>boundary data?</p> <p>N/A</p>	
<p>Successfully ran validation?</p> <p>No</p>	<p><b><u>Election results:</u> No</b></p> <ul style="list-style-type: none"> <li>● We validated election results at two different levels: <ul style="list-style-type: none"> <li>○ Statewide candidate vote totals</li> <li>○ Countywide candidate vote totals</li> </ul> </li> <li>● At the statewide total level, the election results matched VEST's. Totals also matched those of NJ's election summary report (<a href="https://www.state.nj.us/state/elections/assets/pdf/election-results/2018/2018-official-general-election-results-us-senate.pdf">https://www.state.nj.us/state/elections/assets/pdf/election-results/2018/2018-official-general-election-results-us-senate.pdf</a>).</li> <li>● At the countywide total level, the totals also matched VEST's. Countywide totals also matched those of NJ's election summary report (<a href="https://www.state.nj.us/state/elections/assets/pdf/election-results/2018/2018-official-general-election-results-us-senate.pdf">https://www.state.nj.us/state/elections/assets/pdf/election-results/2018/2018-official-general-election-results-us-senate.pdf</a>).</li> <li>● We did not attempt to validate precinct level results at this time.</li> </ul> <p><b><u>Geographies:</u> Yes</b></p> <ul style="list-style-type: none"> <li>● Although we did not join the shapefiles to election results, we were able to join and compare the source shapefile against VEST's. We were able to validate geographies for 6346 of the 6347 precincts. The precinct we were unable to validate was the Naval Weapons Station Earle in Monmouth County that was added by VEST.</li> <li>● Out of 6346 total precincts: <ul style="list-style-type: none"> <li>○ 6345 precincts w/ a difference of 0 km<sup>2</sup></li> <li>○ 1 precincts w/ a difference between 0 and 0.1 km<sup>2</sup></li> <li>○ 0 precincts w/ a difference between 0.1 and 0.5 km<sup>2</sup></li> <li>○ 0 precincts w/ a difference between 0.5 and 1 km<sup>2</sup></li> <li>○ 0 precincts w/ a difference between 1 and 2 km<sup>2</sup></li> <li>○ 0 precincts w/ a difference between 2 and 5 km<sup>2</sup></li> <li>○ 0 precincts w/ a difference greater than 5 km<sup>2</sup></li> </ul> </li> </ul>