

VEST AZ 2020

State: Arizona

Organization: Voting and Election Science Team (VEST)

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

Date File Updated: 06/30/2021

Date Report Updated: 07/01/2021

RDH Validation Code (Github):

<https://github.com/nonpartisan-redistricting-datahub/pdv-az/tree/main/vest-az-2020>

RDH Criteria	Explanation
<p>Is all raw data available?</p> <p>No</p>	<p><u>Accessible files:</u></p> <ul style="list-style-type: none"> ● AZ Election Results, 2020 <ul style="list-style-type: none"> ○ Date accessed: 6/8/2021, Source: Secretary of State ○ https://azsos.gov/2020-election-information ○ Notes: selected 'Election Results Detail File (zipped .xml file)' ● VEST AZ 2020 Data File <ul style="list-style-type: none"> ○ Accessed: 7/1/2021, Source: VEST on the Harvard Dataverse ○ https://dataverse.harvard.edu/file.xhtml?fileId=4864722&version=13.0 ● VEST AZ 2020 Documentation <ul style="list-style-type: none"> ○ Accessed: 7/1/2021, Source: VEST on the Harvard Dataverse ○ https://dataverse.harvard.edu/file.xhtml?fileId=4863160&version=13.0 <p><u>Inaccessible files:</u></p> <ul style="list-style-type: none"> ● Precinct-level shapefile, 2020 <ul style="list-style-type: none"> ○ Notes: VEST says "Precinct shapefile from Arizona Secretary of State via personal communication". We reached out to Garrett Archer, formerly Senior Elections Analyst with the Arizona Secretary of State and currently a Data Analyst with ABC15 Arizona, because he posted the AZ 2018 precinct shapefile on Kaggle, on 6/14/2021. We have not heard back as of 6/29/2021. ● Precinct-level shapefile for Greenlee County, 2020 <ul style="list-style-type: none"> ○ Notes: there is an online arcgis mapping platform with the voting precincts that are not available for download (https://greenleeco.maps.arcgis.com/apps/webappviewer/index.html)

	<p>?id=9bd638cdd2a74d07bce303fe2e77eb3d, Accessed 6/14/2021). Called Greenlee County's IT Office at 928-865-5332, the IT Director Vincent Buccellato will be back in office on 6/15 so they will return our call or we will call back then. We emailed Vince on 6/17/2021 but have not heard back as of 6/29/2021.</p>
<p>Processing steps available?</p> <p>Yes</p>	<p><u>Description of processing steps:</u></p> <ul style="list-style-type: none"> ● VEST's documentation file, accessed 6/29/2021: <ul style="list-style-type: none"> ○ "Election results from Arizona Secretary of State (https://azsos.gov/2020-election-information) Precinct shapefile from Arizona Secretary of State via personal communication except Greenlee County is sourced from the county shapefile instead. ○ The following modifications were made to match the precinct boundaries for the 2020 general election. <ul style="list-style-type: none"> ■ Apache: Merge Puerco East/West ■ La Paz: Merge Alamo into Wenden ■ Maricopa: Merge South Mtn Park E, NE, S, SE, SW into South Mtn Park" ● There were no processing steps missing in our validation of the election results. <p><u>Information not in their processing steps:</u></p> <ul style="list-style-type: none"> ● We are not able to confirm whether any information is missing from their processing steps, because the raw shapefile that VEST collected is not publicly available from VEST or the SOS.
<p>Able to replicate joining election data and shapefiles?</p> <p>No</p>	<p>We did not attempt to join the election results to the raw shapefile, because we do not have the 2020 raw shapefile that VEST used for this file. Given that we are missing the raw file, we are unable to validate the join of the election results and the shapefile itself.</p>
<p>Able to replicate joining demographic data to</p>	<p>There is no demographic data on the file.</p>

<p>block-level shapefiles?</p> <p>N/A</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 election results at three different levels:<ul style="list-style-type: none">○ Statewide candidate vote totals○ Countywide candidate vote totals○ Precinct-level candidate votes● At the statewide total level, the election results matched VEST's. The totals also matched those of Arizona's election summary report (https://azsos.gov/sites/default/files/2020_General_State_Canvass.pdf)● At the countywide total level, the election results matched VEST's. The totals also matched those of Arizona's election summary report listed above.● At the precinct-level, the election results we cleaned from the SOS match VEST's in all 1,489 precincts. <p><u>Geographies:</u> No</p> <p>We were unable to validate the shapefile, because we do not have access to the raw shapefile used by VEST.</p>