Address Matching Voting Records to Map Coordinates

## Geocode Summary Report

**(1) Geocode (Address Matching) Summary Report.** Ideally, a countywide site address match rate should be 90% or higher for redistricting. If the countywide rate is lower, then precinct reports accessing the Statewide Addressing and Mapping System (SAMS) or WV Property Tax Records may be beneficial for cross-referencing SVRS records on address or name.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| County | Total Voting Register Records | # SITE ADDRESS MATCHES | # SITE Address Matches outside County Boundary | % SITE Address Matches | # STREET Address Matches | % STREET Address Matches | # UNMATCHED Addresses | % UNMATCHED Addresses |
| PUTNAM | 38046 | 35390 | 113 | 93.0% | 2507 | 6.6% | 149 | 0.4% |

*Site Matches:* 93% or (35,390 of 38,046) records **site** address matched.  
*Street Matches:* 6.6% match to the **street** address range but not pinpointed to the building location. A GIS file of street address matches can be provided for counties to improve the address matching of these voter records.  
*Unmatched Records:* 0.4% voter records could not be geocoded or geospatially pinpointed.

*Site Match Outside County:* 113 voter records *site-*matched outside the county.

## Address Match Error Lists

**(2) County Address Match Error List:** Refer to the geocoding error lists and determine why these addresses are not geocoding (e.g., incomplete address, P.O. box number, old address does not match E-911 address).



*E-911 Address Source:* The authoritative data source for Registered Voter addresses should be from the local E-911 Office, not the Assessor’s Office. Often the physical addresses in the county assessment databases are incorrect or incomplete. County clerks should verify addresses with the E-911 Office or other trusted source.

*Geocoding:* Geocoding is the computational process by which a physical street address is converted into geographic coordinates, which can be used for a variety of mapping applications including redistricting.