

## 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.

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).

No Match
Street Match
Site Match Outside

*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.