

MANSFIELD, TX ISD PROPOSED 5-2 PLAN FOR TRUSTEES

PRESENTED BY THOMAS M. BRYAN – BRYANGEODEMO OCTOBER 27, 2026



WHO AM I?

- Thomas M. Bryan, president of BGD.
- We work on districting, redistricting, Voting Rights Act (VRA), and National Voter Registration Act (NVRA) litigation, and complex, technical Geographic Information System (G.I.S.) projects.
 - These can be for congressional, state senate and house districts, counties, cities, and schools.
- We also work on small-area demographic research, including population projections.
- I served on the 2030 Census Advisory Committee (CAC).
- I am a court-appointed special master in redistricting.
- I am affiliated with the Population Association of America (PAA), the Southern Demographic Association (SDA), and the American Statistical Association (ASA).

ASSIGNMENT

- Develop a plan to take Mansfield ISD from an at-large system to 5 single-member districts + 2 at-large trustees.
- Criteria:
 - Comply with the U.S. Constitution (14th Amendment, equal protection, Section 2 post-*Callais*);
 - Texas State law.
 - 2020 district population is 174,944. The target population for each district is 34,989.
 - Population equality allows +/- 5% deviation (1,750), but there needs to be a good reason for using it.

<u>Rule</u>	<u>Texas requirement</u>	<u>Authority</u>
Compactness	Trustee districts must be compact.	Tex. Educ. Code § 11.052(f)
Contiguity	Each trustee district must be contiguous.	§ 11.052(f)
Population equality	Districts must be as nearly as practicable equal in population.	§ 11.052(f)
Census-based review	The board must redistrict if the most populous district exceeds the least populous by more than 10%, subject to the statute's census and election timing provisions.	§ 11.052(i)
Deadline	Districts must be drawn no later than 90 days before the first trustee election under the new districts.	§ 11.052(f)
Election administration	The board must number the districts, and residents of each district elect one trustee.	§ 11.052(f)–(g)

TRADITIONAL REDISTRICTING CRITERIA

- Compactness: Based largely on a district's physical shape and the distance between all parts of a district. A circle is a perfectly compact district under most measures.
- Contiguity: All parts of a district are connected. States sometimes make exceptions for parts of a district separated by water.
- Preservation of counties and other political subdivisions: Districts do not cross county, city, town, or other municipal boundaries.
- Preservation of communities of interest: Geographic areas, such as attendance areas or neighborhoods of a city or regions of a state, where residents have common interests
- Avoiding incumbent pairing: Avoid moving multiple incumbents into the same district.

PLAN OPTIONS AND ANALYTIC APPROACH

- BGD2
- BGD_AUG

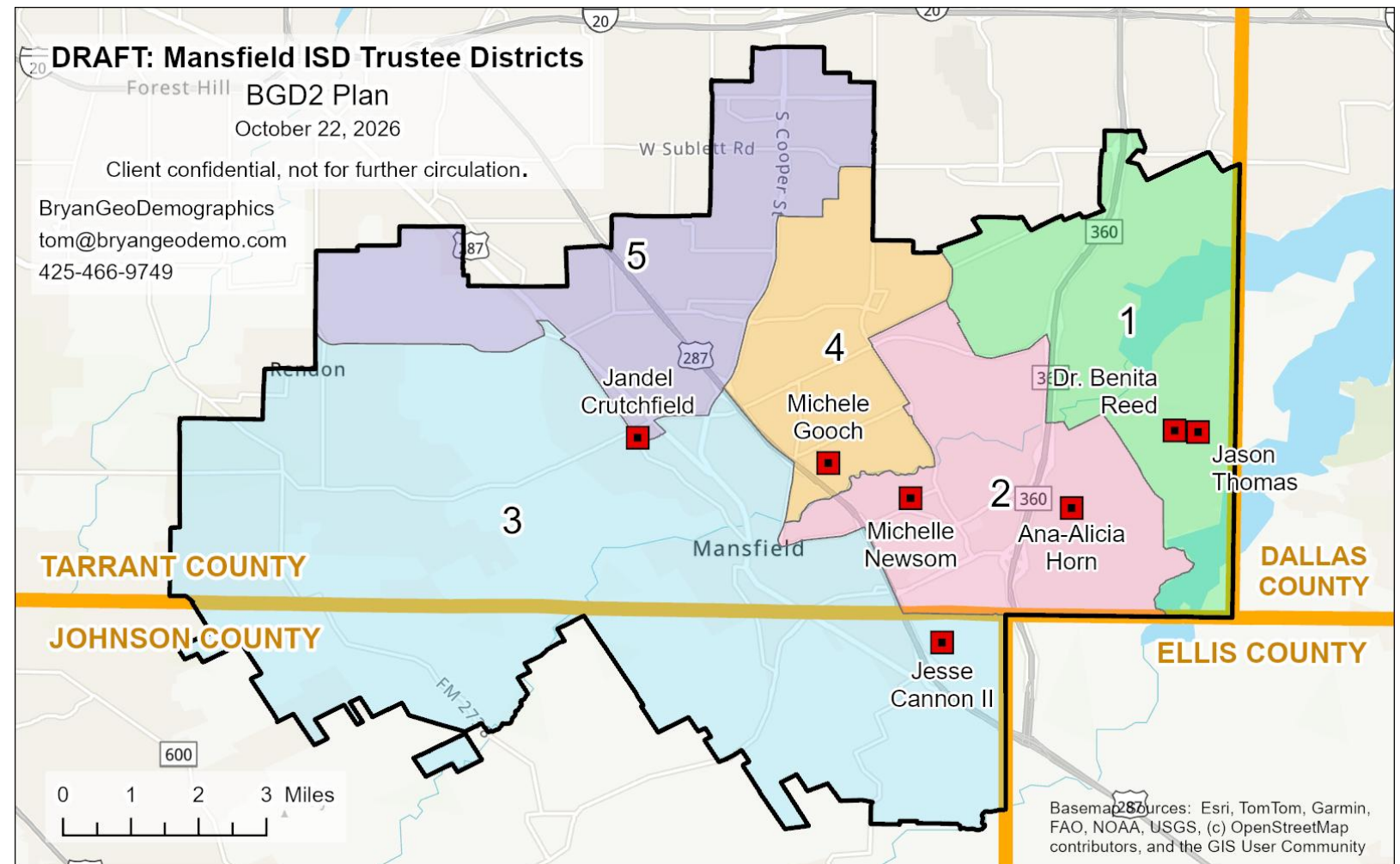
- Population equality
- Alignment with:
 - Traditional criteria
 - Place boundaries
 - Precinct boundaries
 - High school attendance areas

BGD2

Complies with the rules,

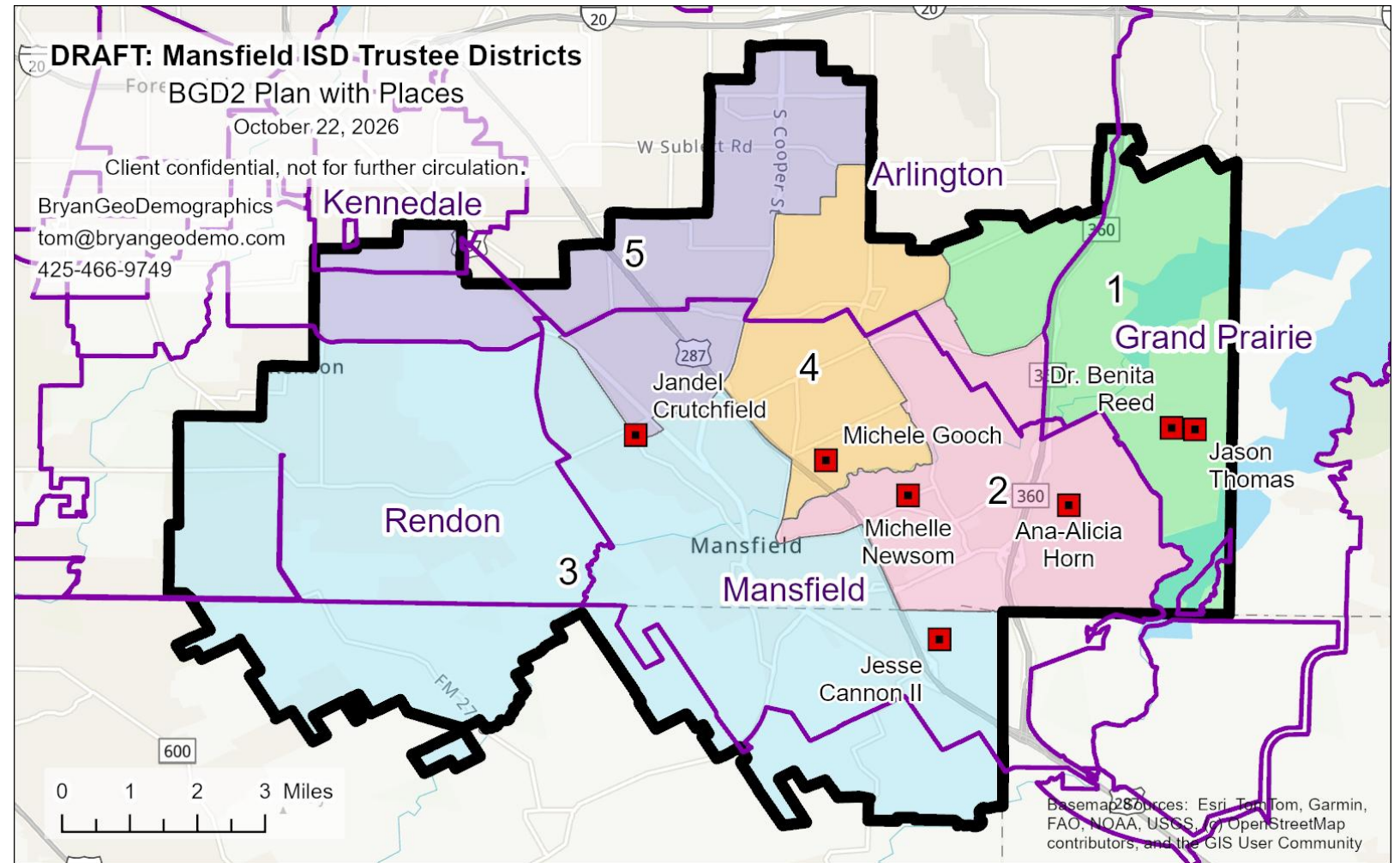
- Highly compact
- Small population deviation (4.1%, 1,440 people)

District	Population	# Deviation	% Deviation
1	35,627	638	1.8%
2	34,183	-806	-2.3%
3	34,926	-63	-0.2%
4	35,162	173	0.5%
5	35,046	57	0.2%
Grand Total	174,944		



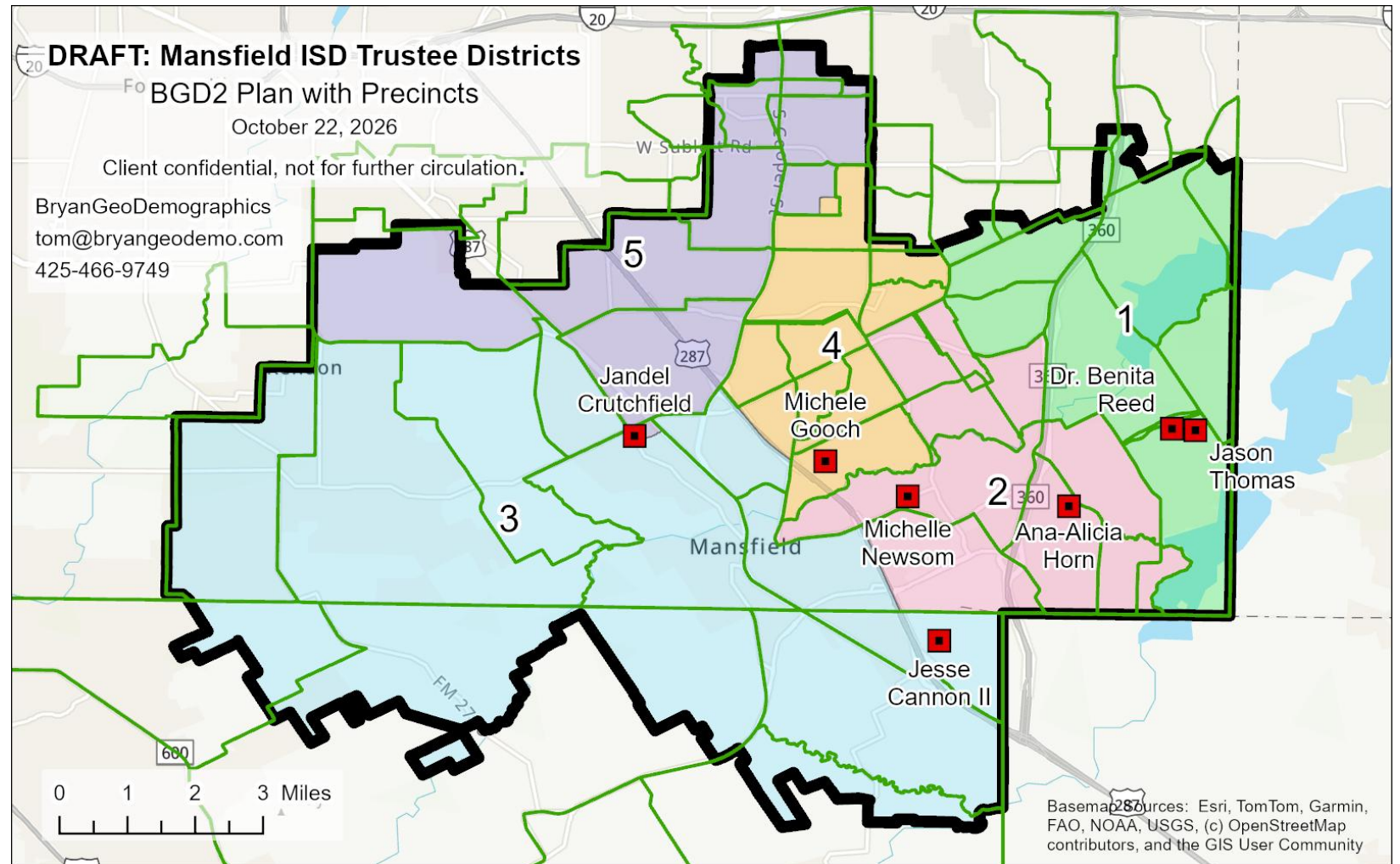
BGD2 AND PLACES

Good coverage of places. Mansfield has 4 trustees and would not be covered by DI.



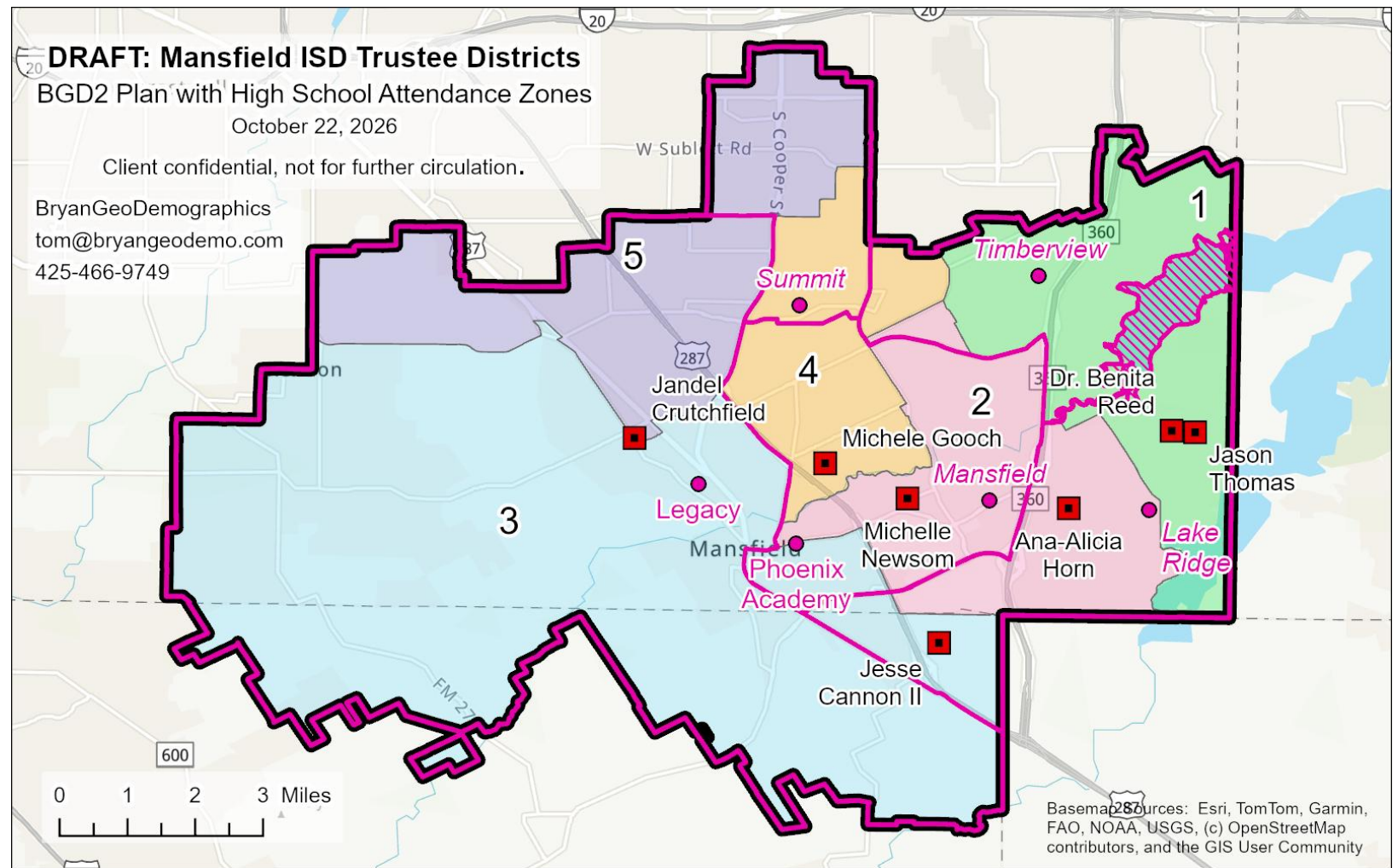
BGD2 AND VOTING PRECINCTS

Significant
compliance with
current voting
precincts



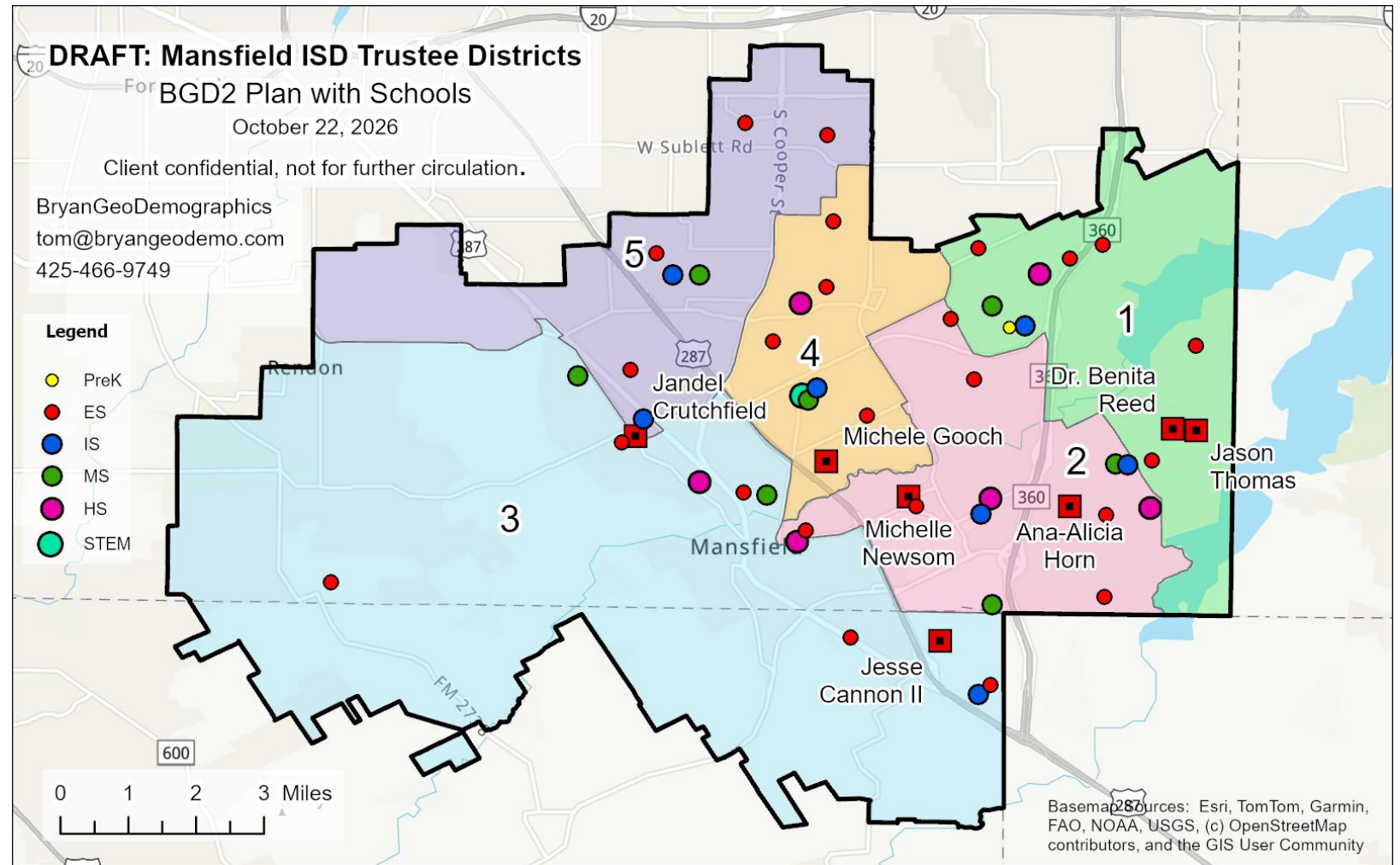
BGD2 AND HS ATTENDANCE AREAS

Significant
compliance with
high school
attendance area
boundaries



BGD2 AND SCHOOLS

Good distribution
of schools across
districts

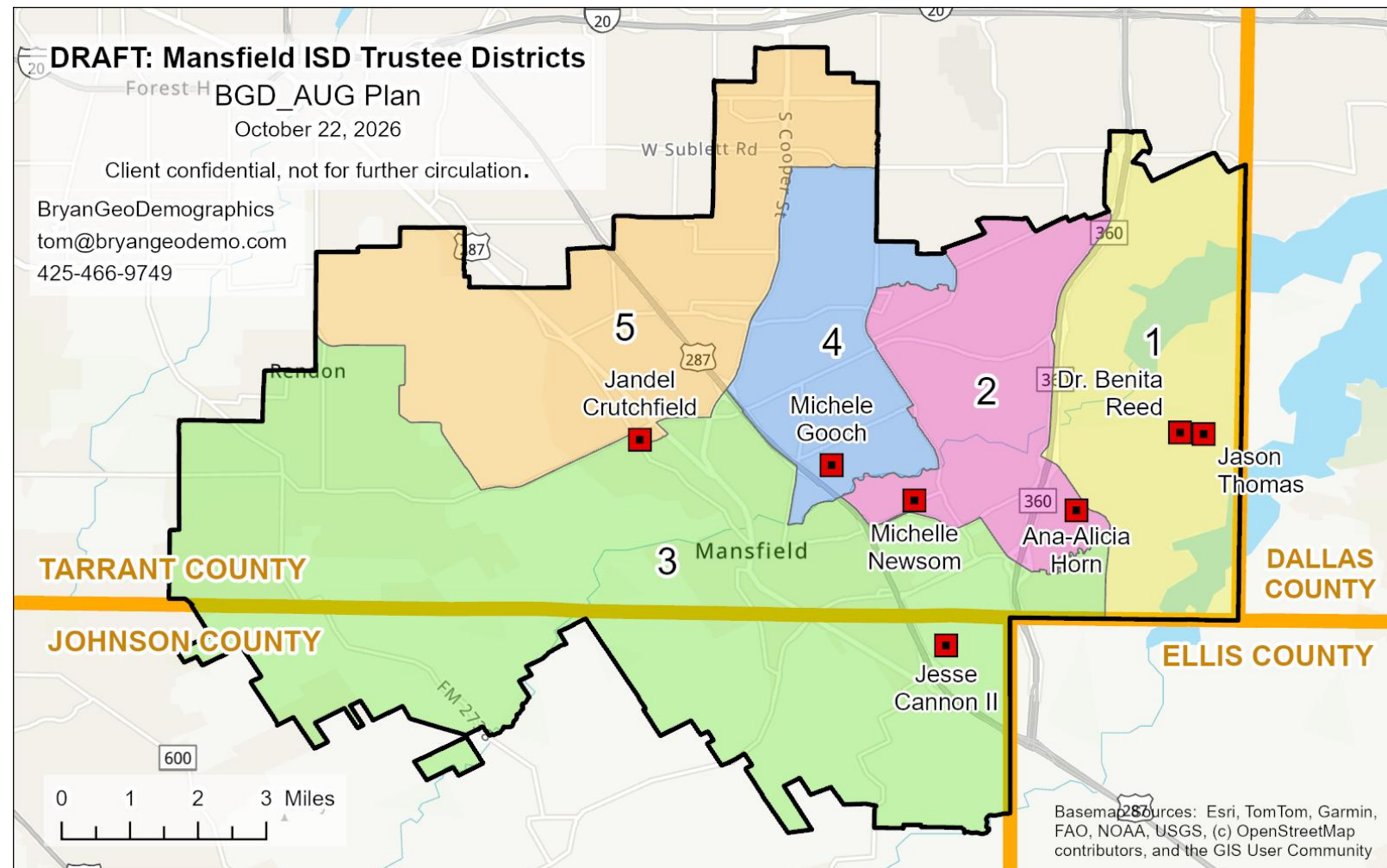


BGD_AUG

Complies with the rules,

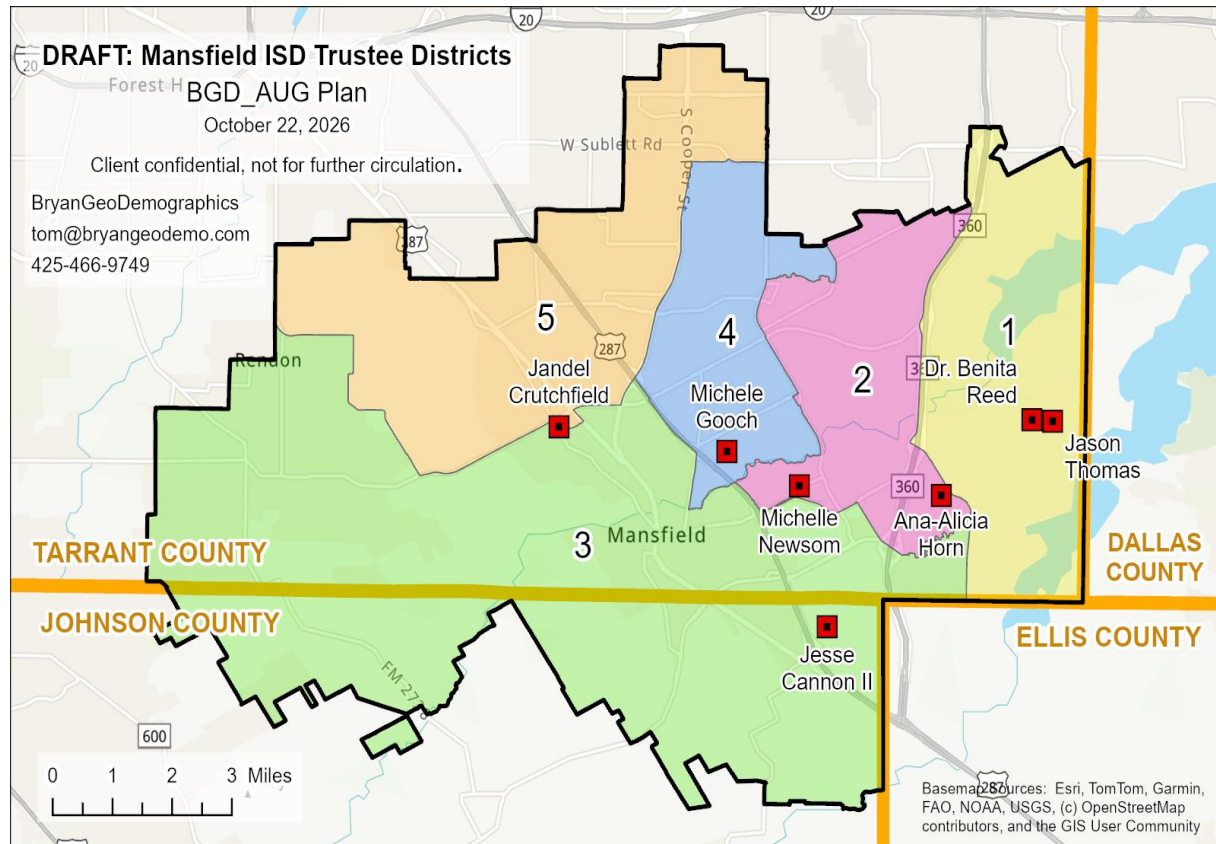
- Even more compact than BGD2
- Smaller population deviation (2.6%, or 909 people)

District	Population	# Deviation	% Deviation
1	34,346	-643	-1.8%
2	35,255	266	0.8%
3	35,074	85	0.2%
4	35,123	134	0.4%
5	35,146	157	0.4%
Grand Total	174,944		

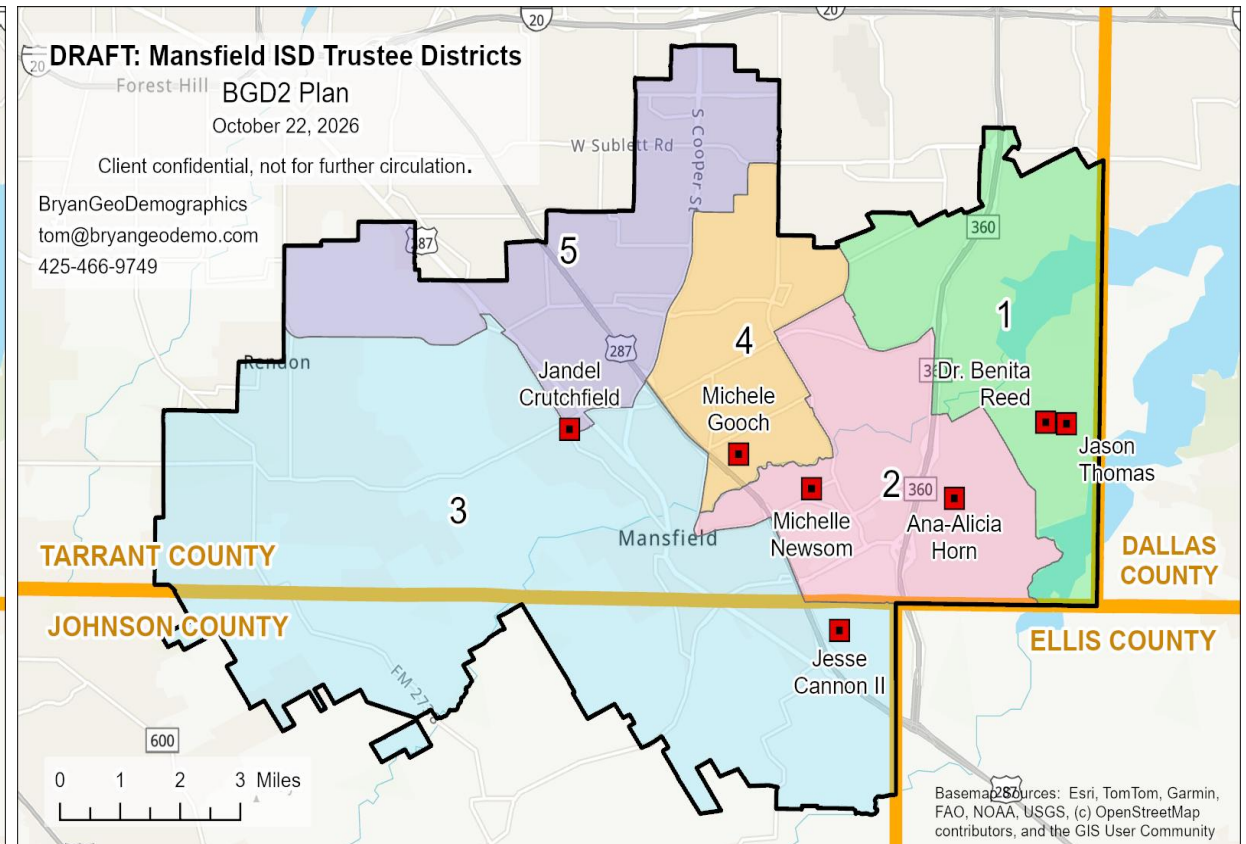


BGD_AUG V. BGD2

BGD_AUG

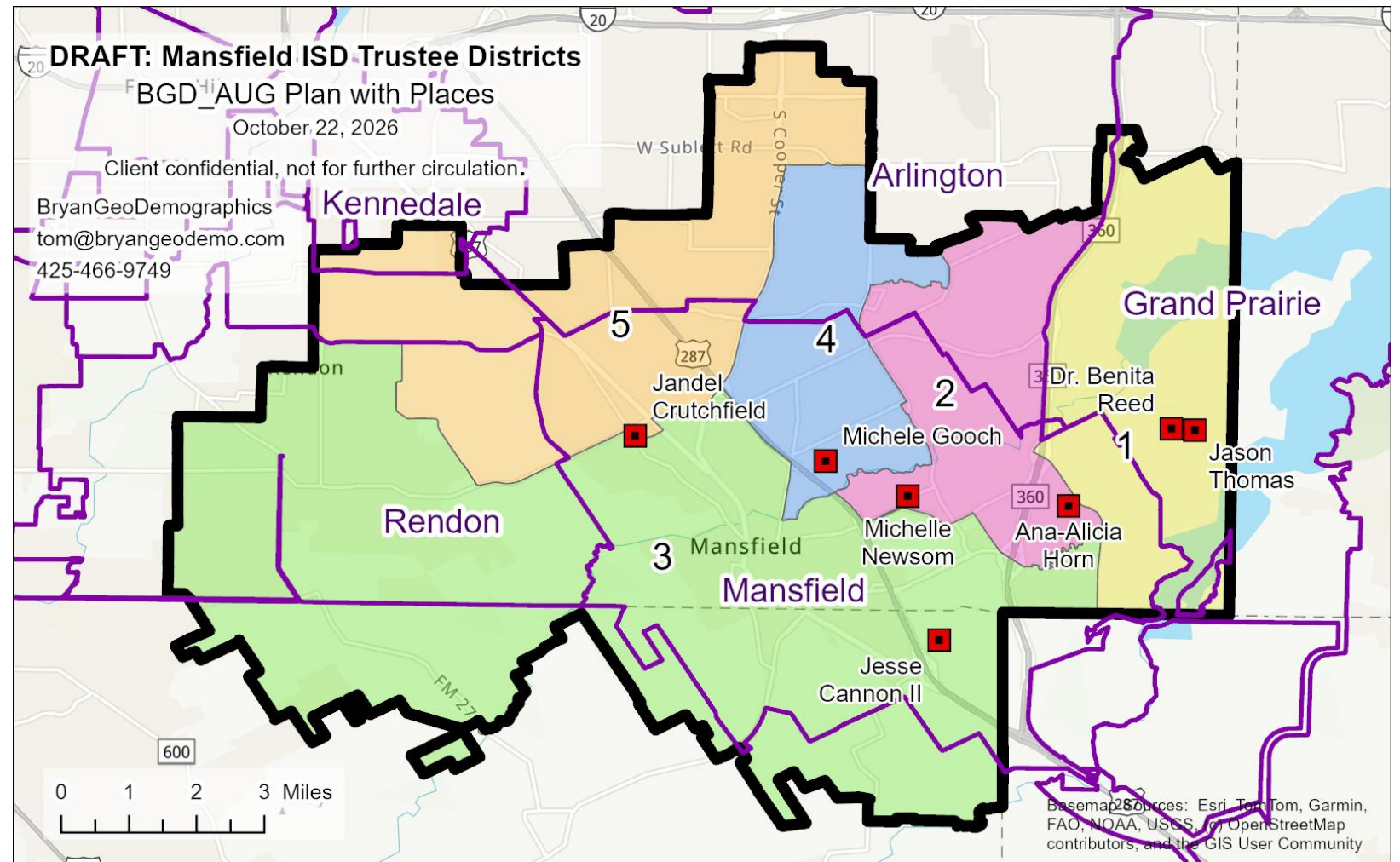


BGD2



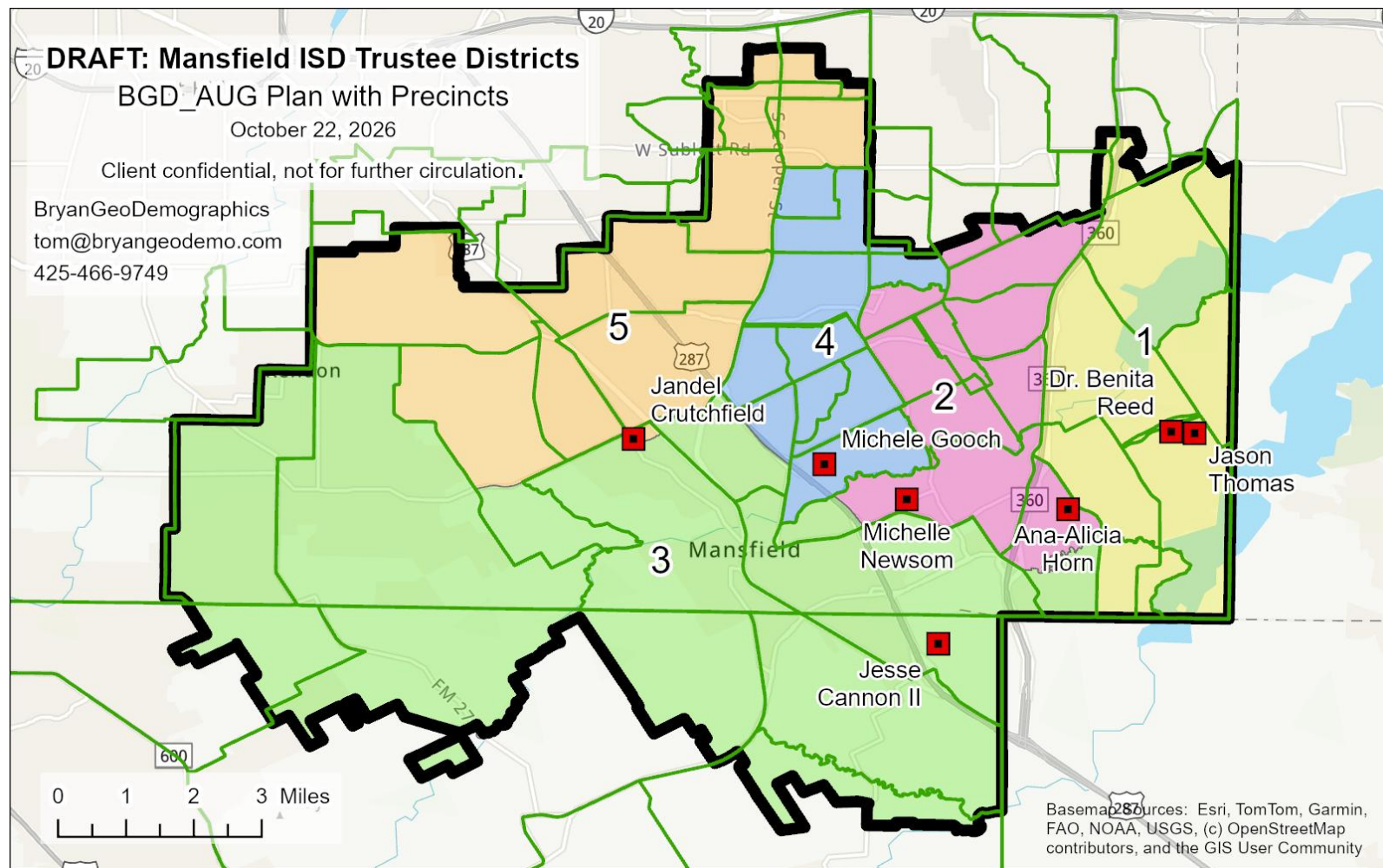
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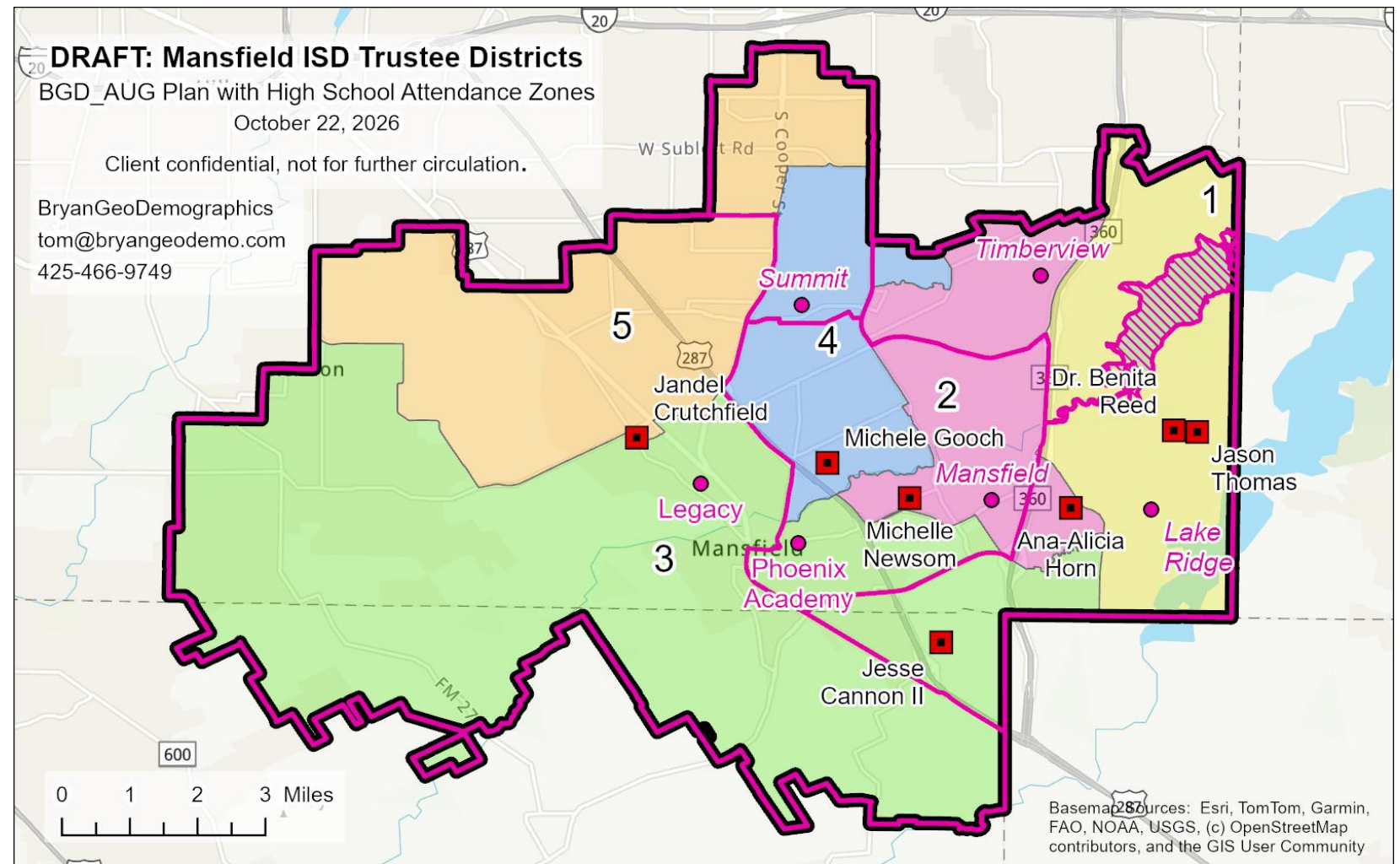
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