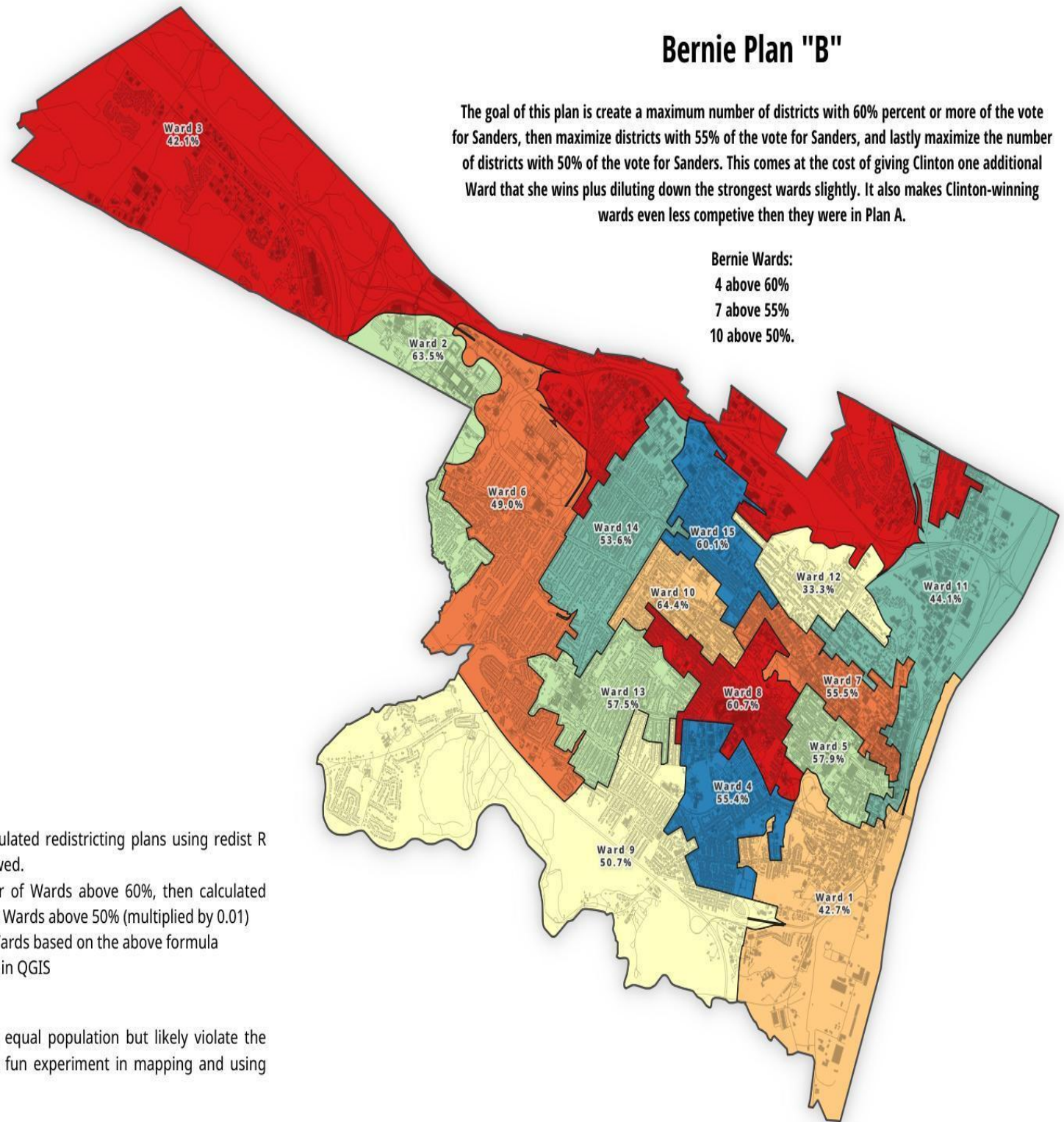# Bernie Plan "B"

The goal of this plan is create a maximum number of districts with 60% percent or more of the vote for Sanders, then maximize districts with 55% of the vote for Sanders, and lastly maximize the number of districts with 50% of the vote for Sanders. This comes at the cost of giving Clinton one additional Ward that she wins plus diluting down the strongest wards slightly. It also makes Clinton-winning wards even less competive then they were in Plan A.

Bernie Wards:
4 above 60%
7 above 55%
10 above 50%.

District	Population	Sanders Vote
10	6,534	64.4
2	6,493	63.5
8	6,523	60.7
15	6,569	60.1
5	6,586	57.9
13	6,506	57.5
7	6,541	55.5
4	6,558	55.4
14	6,507	53.6
9	6,585	50.7
6	6,484	49.0
11	6,499	44.1
1	6,554	42.7
3	6,576	42.1
12	6,487	33.3

Map by Andy Arthur, 5/28.

How was this created?

1. 2020 Population Blocks, Created 2,500 simulated redistricting plans using redist R package with a 1% population variance allowed.
2. Using LATFOR data, calculated the number of Wards above 60%, then calculated Wards over 55% (multiplied by 0.1) and then Wards above 50% (multiplied by 0.01)
3. Search for the plan with highest counts of Wards based on the above formula
4. Exported via sf to a Geopackage and loaded in QGIS

Is this plan legal, consitutional, or even serious?
Absolutely not. The districts are contiguous and equal population but likely violate the Voting Rights Act among other things. But it's a fun experiment in mapping and using Sequential Monte Carlo to gerrymander.