

Houghton County Apportionment Mapping Proposal

Five District Mapping

Dan Holcomb

Overview of Proposed 5 District Map

- **Methods/Tools Used**

- Used davesredistricting.org for drawing maps
- Drew Current Population (2020 Census) Map for Benchmark
- Drew Five District Reapportionment Proposal
- Used Excel for Checking against software tool with given Census
- All maps are worked from North to South

- **Sources for Census Data**

- 2020 Houghton County Census (Provided by Glenn Anderson)
- Five District Reapportionment Plan May 2011 (Provided by Apportionment Board)
- Five District Reapportionment Plan May 2001 (Provided by Apportionment Board)

Statistics of Current Map

Calculated Manually

2020 Census

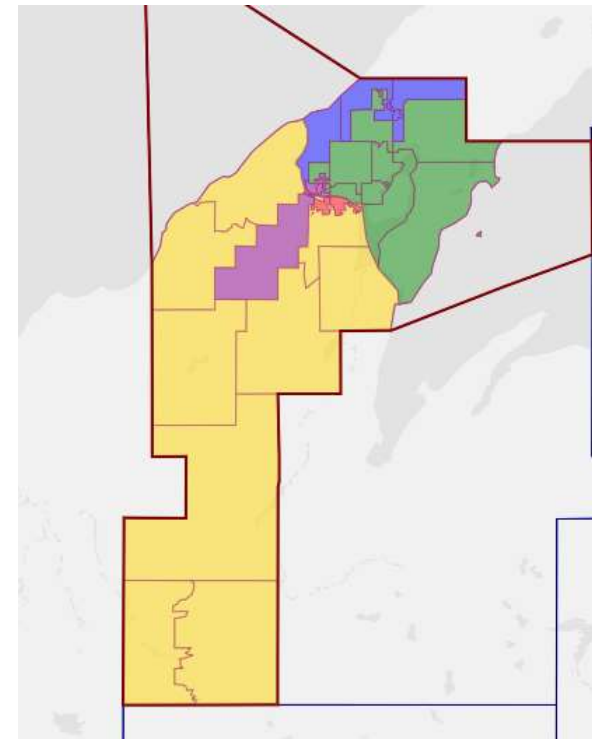
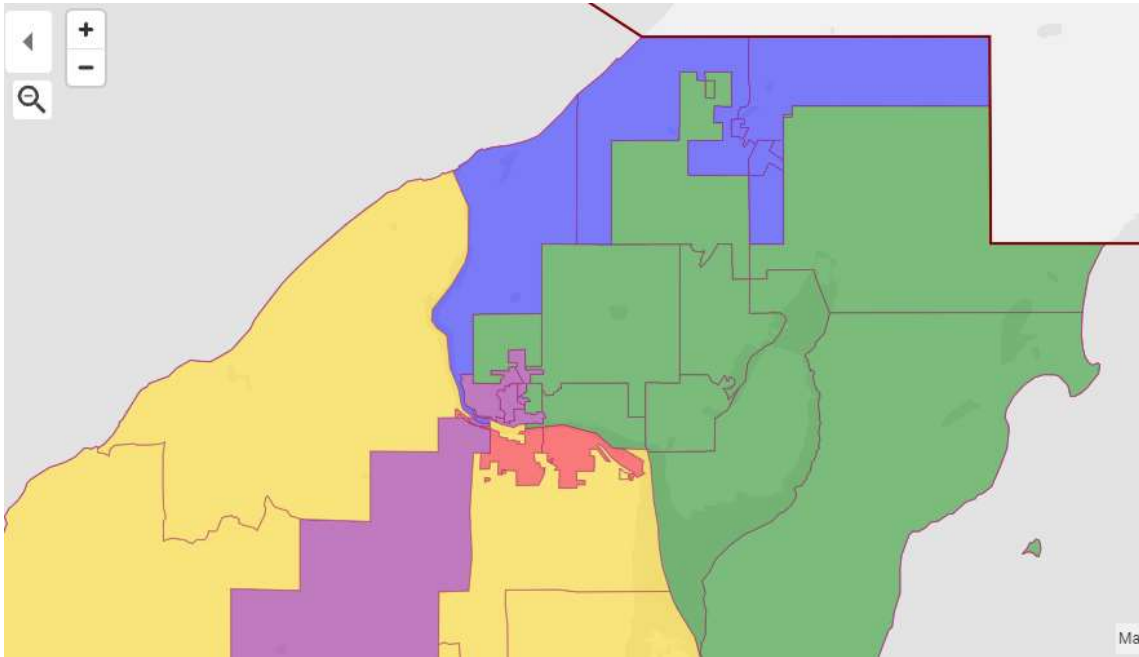
Current Population Houghton County	37,361	Perfect Pop	Difference	Deviation % from Perfect Pop
District 1	6,763	7,472	-709	-9.5%
District 2	7,589	7,472	117	1.6%
District 3	7,041	7,472	-431	-5.8%
District 4	8,386	7,472	914	12.2%
District 5	7,582	7,472	110	1.5%

Population Deviation (Sum of % Between Largest and Smallest Dists) 21.7%

Perfect Population 37,361 / 5 = 7,472 (Difference/Perfect Pop)

Current Map 2020 Census

Map CC91521 davesredistricting.org



Proposed Reapportionment Plan (5 Districts)

- **New District 1:**
 - Calumet Twp
 - Hancock Twp
 - +Quincy Twp: +375
- **New District 2:**
 - Franklin Twp
 - Osceola Twp
 - Schoolcraft Twp
 - Torch Lake Twp
 - -Quincy Twp: -375
- **New District 3:**
 - Adams Twp
 - Hancock City
 - +Portage Twp to Adams Twp: +159
- **New District 4:**
 - City of Houghton
 - -Split West end of Houghton City to Portage Twp: -396
- **New District 5:**
 - Chassell Twp
 - Duncan Twp
 - Elm River Twp
 - Laird Twp
 - Portage Twp
 - + Split West end of Houghton City to Portage Twp: +396
 - - Split Portage to Adams Twp: -159
 - Stanton Twp

Proposed Reapportionment Plan (5 Districts) Cont.

2020 Census 5 Districts

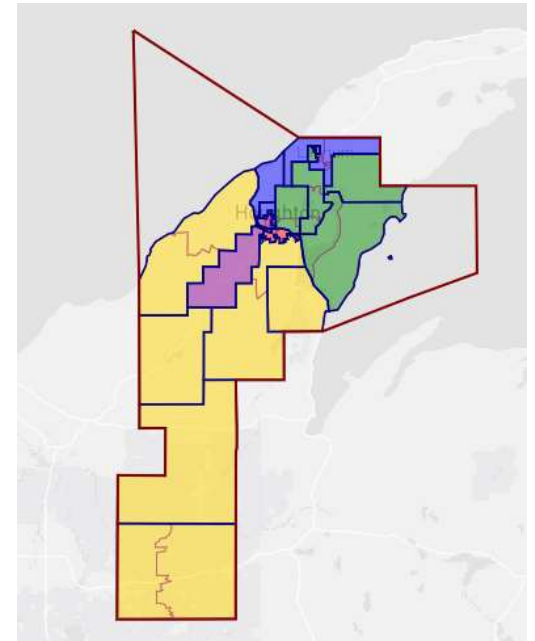
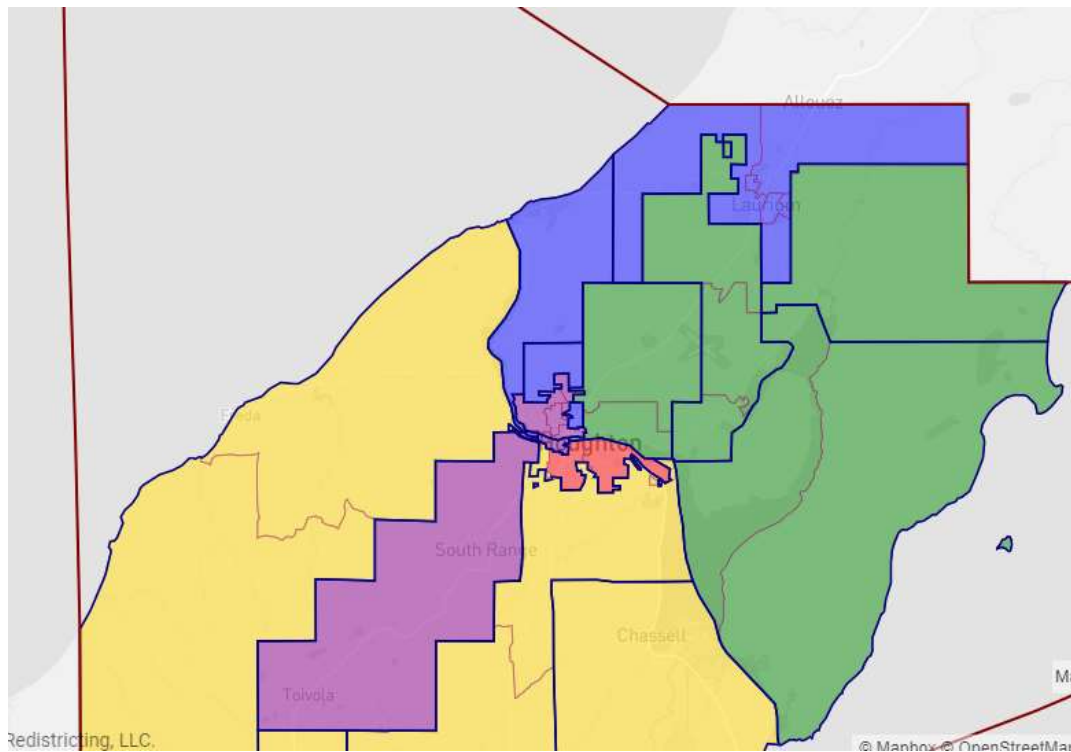
Proposed Map Houghton County	37,361	Perfect Pop	Difference	Deviation % from Perfect Pop
District 1	7,138	7,472	-334	-4.5%
District 2	7,214	7,472	-258	-3.5%
District 3	7,200	7,472	-272	-3.6%
District 4	7,972	7,472	500	6.7%
District 5	7,837	7,472	365	4.9%

Population Deviation (Sum of % Between Largest and Smallest Dists) 11.2%

Perfect Population $37,361 / 5 = 7,472$ (Difference/Perfect Pop)

Proposed Reapportionment Plan (5 Districts) Cont.

5 Seat CC91521 davesredistricting.org

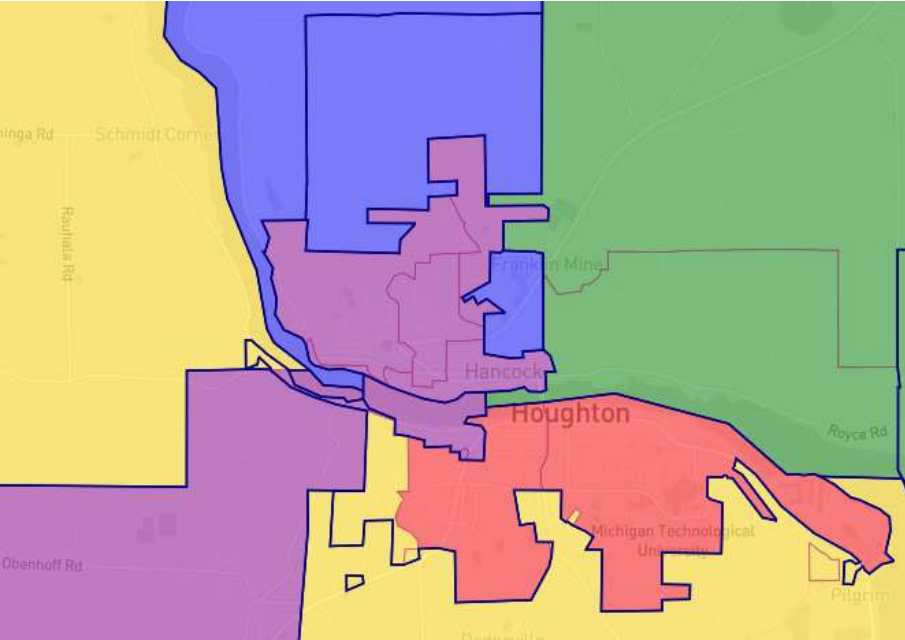


Split Townships

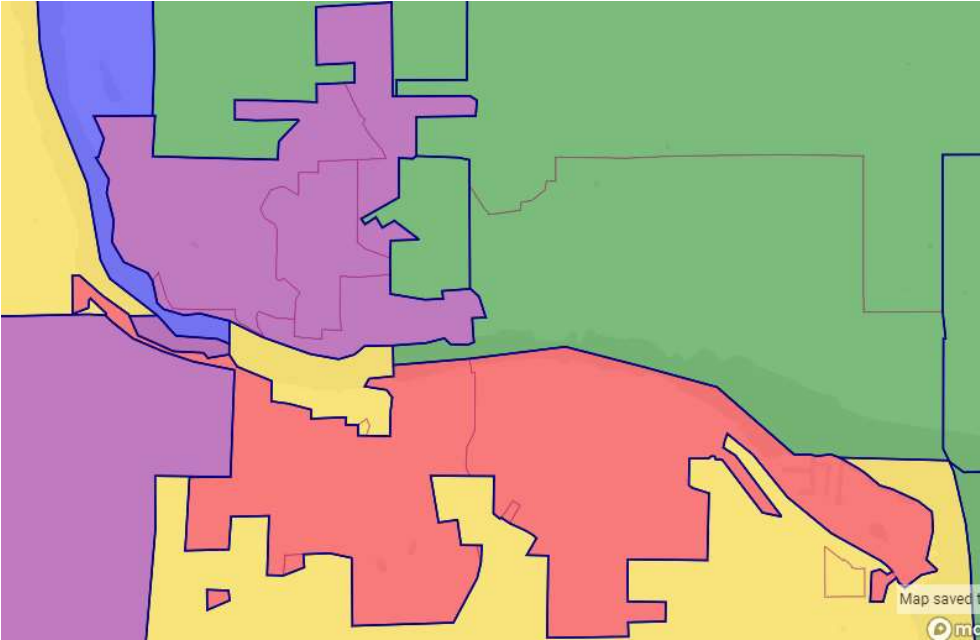
- Portage Township Per 2011 Reapportionment
 - Small Sector in-between Adams and Houghton
- Quincy Twp added to District 1
 - Cannot Split Quincy into District 2 without going beyond 11.9 Variance
- Conclusion: If the 2011 map was acceptable, then it would be no different to treat Quincy Twp as a Split Township.

Split Townships Cont.

5 Seat CC91521 davesredistricting.org



Map CC91521 davesredistricting.org



Conclusion

- Reapportionment Proposal for 5 Districts Only Moves About 930
- Population Deviation 11.2%
- Out of the 83 Counties in Michigan
 - Only 5 Counties have Even Districts
- Keeps districts at an Odd Number
 - Preferred to prevent Stalemates
- 2020 Population does not exceed 1982 population
 - 1982 Population 38,134 went from 15 Districts to 5
 - 2020 Population 37,361



Questions?