



LIVINGSTON COUNTY APPORTIONMENT COMMISSION REGULAR MEETING

September 27, 2021

9:00 A.M.

Board of Commissioners Hybrid Meeting

Zoom Virtual Meeting ID: 399-700-0062 / Password: LCBOC

<https://zoom.us/j/3997000062?pwd=SUdLYVFFcmozWnFxbm0vcHRjWkVIZz09>

304 E. Grand River Ave., Board Chambers, Howell, Michigan

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. CALL TO PUBLIC**
- 4. APPROVAL OF MINUTES**
 - a. Minutes of September 3, 2021**
- 5. DISCUSSION ITEMS**
 - a. LEGAL UPDATE**
 - 1. Mr. Dave Stoker**
- 6. DISCUSSION OF MAPS**
 - a. Review of submitted maps**
- 7. NEXT MEETING DATE**
- 8. ADJOURNMENT**

LIVINGSTON COUNTY APPORTIONMENT COMMISSION

MEETING MINUTES



Date: September 3, 2021
Time: 1:00 P.M.
Location: Board of Commissioners Hybrid Meeting
Zoom Virtual Meeting ID: 399-700-0062 / Password: LCBOC
<https://zoom.us/j/3997000062?pwd=SUdLYVFFcmozWnFxbm0vcHRjWkVIZz09>
304 E. Grand River Ave., Board Chambers, Howell, Michigan

Members	David Reader	Meghan Reckling
Present:	Elizabeth Hundley	Judy Daubenmier
	Jennifer Nash	

1. CALL TO ORDER

The meeting was called to order by Chairman David Reader at 1:00 p.m.

2. ROLL CALL

Roll call by the Deputy Clerk indicated the presence of a quorum.

3. CALL TO PUBLIC

The following person addressed the Board: Dan Luria of Hamburg Township.

4. APPROVAL OF MINUTES

Motion to approve the Minutes as presented.

4.a August 27, 2021 meeting minutes

Moved by: Jennifer Nash

Seconded by: Meghan Reckling

Roll Call Vote: Yes (5): David Reader, Elizabeth Hundley, Jennifer Nash, Meghan Reckling, and Judy Daubenmier; No (0): None; Absent (0): None.

Motion Carried (5-0-0)

5. DISCUSSION ITEMS

5.a Map Deviation

5.a.1 Mr. Dave Stoker

Mr. Dave Stoker gave an overview of the map deviation as it relates to the law and drawing up maps.

6. DISCUSSION OF MAPS

6.a GIS Update

6.a.1 Diane Gregor and Sandon Lettieri, GIS

Diane Gregor, GIS, gave an update on the incarcerated population data.

Motion to consider the incarcerated population data de minimis and to not consider leaving the numbers from GIS as is.

Moved by: E. Hundley

Seconded by: J. Nash

Roll Call Vote: Yes (5): Elizabeth Hundley, Jennifer Nash, David Reader, Meghan Reckling, and Judy Daubenmier; No (0): None; Absent (0): None.

Motion Carried (5-0-0)

6.b.2 Guidelines for Map Submissions

Sandon Lettieri, GIS, supplied a handout with the 2020 Census data on county voting precincts.

Motion to amend Rule 9 of the Apportionment Commissioners' Rules of Procedure to change the submission date for maps and plans to close of business September 20, 2021.

Moved by: M. Reckling

Seconded by: J. Nash

Roll Call Vote: Yes (5): Meghan Reckling, Jennifer Nash, David Reader, Elizabeth Hundley, and Judy Daubenmier; No (0): None; Absent (0): None.

Motion Carried (5-0-0)

Motion to consider GIS differential numbers de minimis in those that do not exactly match the 2020 Census data.

Moved by: J. Daubenmier

Seconded by: M. Reckling

Discussion.

Roll Call Vote: Yes (1): Judy Daubenmier; No (4): Meghan Reckling, Jennifer Nash, David Reader, and Elizabeth Hundley; Absent (0): None.

Motion Failed (1-4-0)

Motion to accept up to two (2) maps from each member of the public.

Moved by: M. Reckling

Seconded by: J. Nash

Discussion.

Roll Call Vote: Yes (5): Meghan Reckling, Jennifer Nash, David Reader, Elizabeth Hundley, and Judy Daubenmier; No (0): None; Absent (0): None.

Motion Carried (5-0-0)

Motion that each Apportionment Commissioner is allowed to bring forth up to four (4) maps, from the maps submitted by the public and Apportionment Commissioners, to the meeting on September 27, 2021, for consideration by the Apportionment Commission.

Moved by: M. Reckling
Seconded by: J. Nash
Discussion.

Roll Call Vote: Yes (5): Meghan Reckling, Jennifer Nash, David Reader, Elizabeth Hundley, and Judy Daubenmier; No (0): None; Absent (0): None.

Motion Carried (5-0-0)

7. NEXT MEETING DATE

7. a Monday, September 27, 2021 at 9:00 a.m.

8. ADJOURNMENT

Motion to adjourn the meeting at 2:10 p.m.

Moved by: M. Reckling
Seconded by: J. Nash

Motion Carried (5-0-0)

Elizabeth Hundley, Livingston County Clerk

2021 Apportionment Commission
Apportionment Map Submission

Map 1

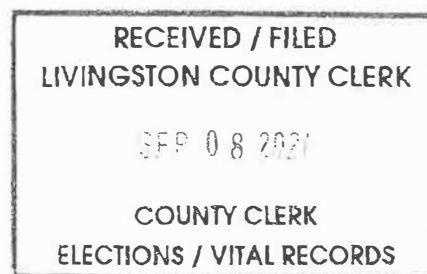
Submitted by: Dan Wholihan

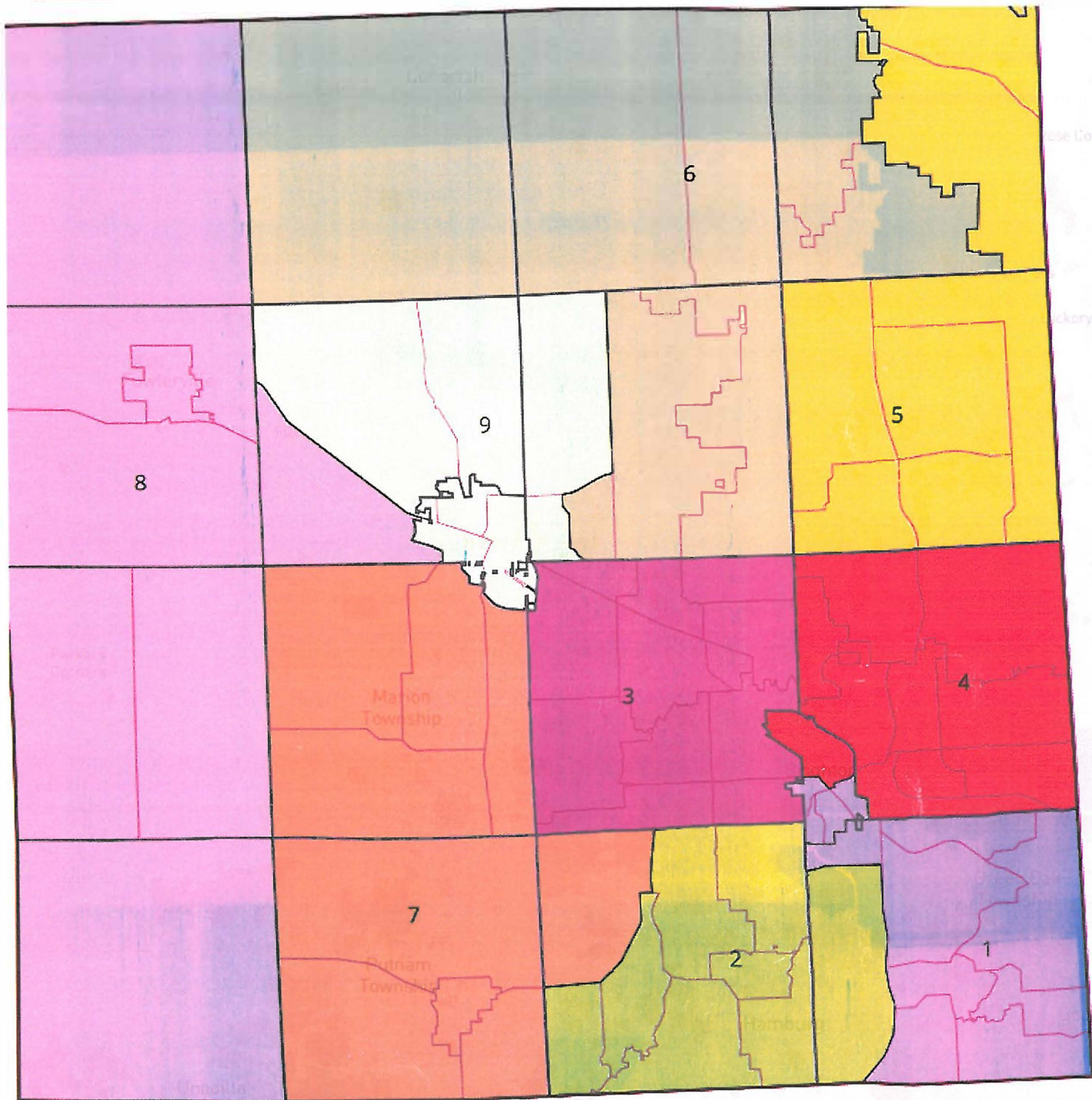
(Name)

Jurisdiction: Livingston / Genoa

(County, City/Twp)

Date/Time: September 8, 2021 @ 1:16 p.m.





Proposed District Plan:

Dan Wholihan – Genoa Township.

What was difficult is getting a plan with low deviation due to large precincts. I was able to get this within 8.5%, under the 11.9% requirement and avoided triple splits. I wanted a plan that respected Communities of Interest due to the new Commission. I used Dave's Redistricting for the maps, but I used GIS when possible for the numbers and these numbers are accurate outside of possibly the small portion of Marion Township surrounded by Howell City.

District 1 – Most of Green Oak and City of Brighton – Population 22,280 – This district has most of Green Oak and most of the City of Brighton. I had to unfortunately split the city to keep Brighton Township and Genoa Townships whole. Green Oak Precinct 2 has very close ties to the City, and Green Oak 8 has close ties to Hamburg with Rickett Road.

District 2 – Most of Hamburg, Green Oak 8 (Rickett). – Population 20474 – I had to split Hamburg to keep the population under 23,000. This district is similar as before. It's a potentially competitive district and has all of the northern part of the Chain of Lakes and the Huron River corridor.

District 3 – All of Genoa Township. Population 20667 – Kept the same. There is a distinct Brighton side and Howell side to Genoa Township, but if Genoa does not get split, Marion and/or Brighton Twp and Howell City all do due to precinct sizes.

District 4 – Brighton Township and Precinct 1 in City of Brighton – Population 22280 – I didn't like splitting Brighton City, but I was able to keep Brighton Township whole by doing so.

District 5 – Hartland Township and Eastern Tyrone – Pop 20911- Hartland is made whole and eastern Tyrone near Fenton is added to the district (part of Hartland and Tyrone have Fenton addresses).

District 6 - Western Tyrone, Eastern Oceola, Deerfield, Cohoctah – pop 22036 – Deerfield is kept whole. The rest of the district has rural areas like Western Tyrone, Cohoctah (which did not want to be with Howell), and most of Oceola away from Howell City.

District 7 – Marion, Putnam, NW Hamburg – Pop 22327 (outside of portion of Marion surrounded by Howell)– Same as old district except all of Putnam is whole.

District 8 – Western portion – Pop 21816 - Same as old district except Howell twp 3 with closer ties to Fowlerville replaces Putnam 1.

District 9 – Howell City, Howell Twp near the City, Oceola near the City – pop 21888 (plus small part of Marion surrounded by Howell) – This is meant to create a Howell City based district. Cohoctah and Howell City aren't good fits, and SW Oceola is almost extension of the city. The neighborhoods near Howell City just north of Town Commons belong here.

2021 Apportionment Commission
Apportionment Map Submission

Map 2

Submitted by: Dan Luria

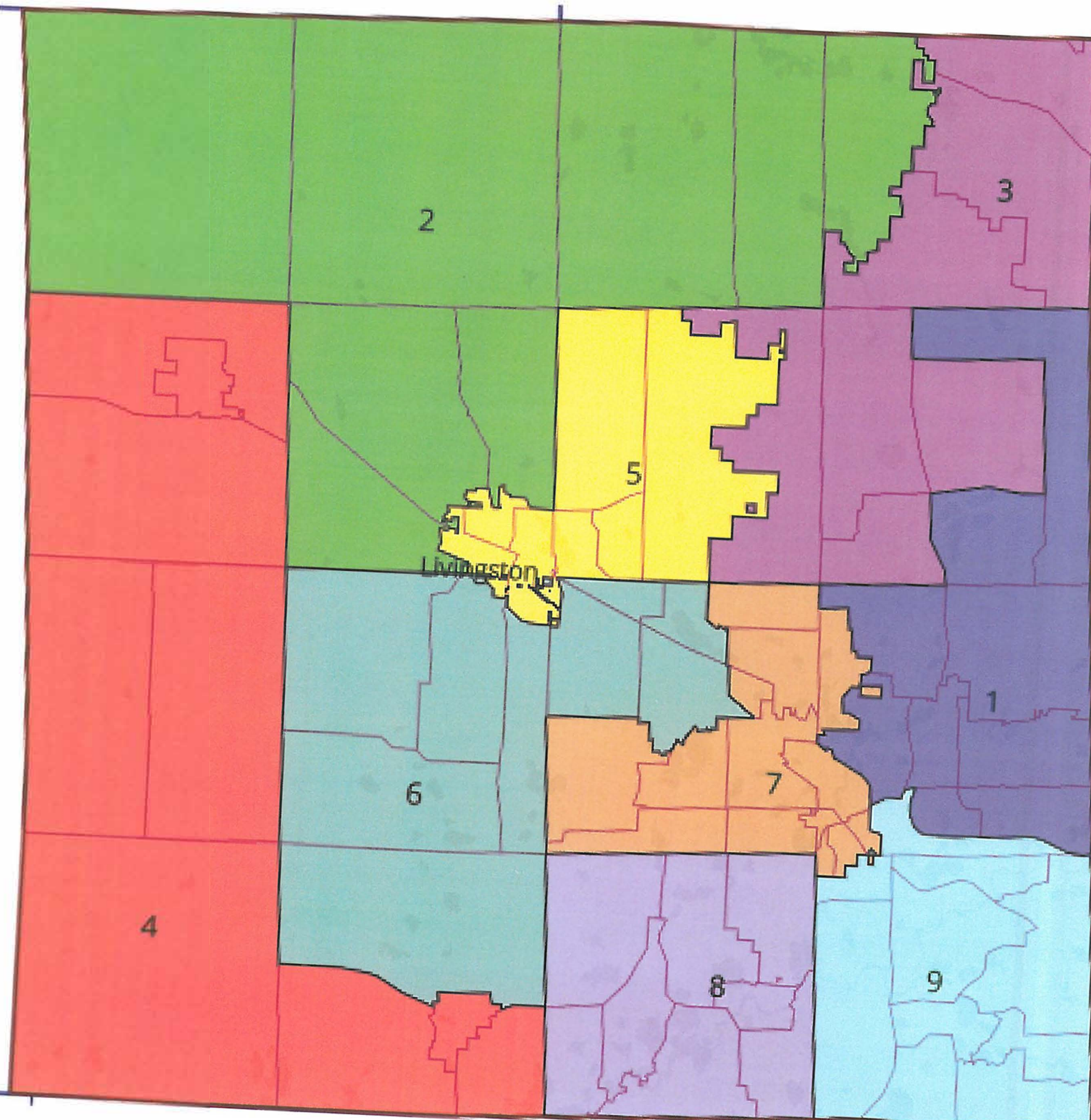
(Name)

Jurisdiction: Livingston / Hamburg Twp

(County, City/Twp)

Date/Time: 9-8-2021 @ 4:25 p.m.





Proposed Map and Description of Districts

I am pleased to submit 7 copies of a map I created using Dave's Redistricting, along with descriptions of each proposed district. Please consider it in your deliberations.

While there are no doubt maps (including some of which I created while getting familiar with Dave's) that score somewhat better on the compactness metric, this one has some features that I hope you'll agree are interesting -

- It recognizes the considerable growth of population in Tyrone Township since 2010.
- It keeps whole Hamburg Township, the County's largest, which today is represented by a non-resident.
- It puts the City of Brighton in a district with much of Genoa Township, with which it shares its longest border.
- It keeps whole not just Hamburg, but also Green Oak, as well as Handy, Iosco, Deerfield, and Marion (plus, of course, the townships that only have one precinct).
- It achieves an acceptable ~~10.37%~~ population variance. — 6.32%
- It redresses the obvious gerrymandering that has resulted in multiple commissioners living very close to each other yet serving in different districts in the northeast and southeast parts of the County.

Here are my map's 9 districts -

1. Brighton Twp 1, 3, 4, & 6-9; and Hartland 3 & 5
2. Conway; Cohoctah; Deerfield 1 & 2; Howell Twp 1-3; and Tyrone 1
3. Tyrone 2-4; Hartland 1, 2, & 4; and Oceola 4
4. Handy; Iosco; Unadilla; and Putnam 1, 3, & 4
5. City of Howell; Oceola 1, 2, 3, & 5
6. Marion; Genoa 1, 2, 9, & 10; and Putnam 2
7. Genoa 3-8, 11, & 13; Brighton Twp 2; and City of Brighton
8. Hamburg
9. Green Oak; Brighton Twp 5

Thanks again for considering this map.

Daniel Luria, PhD

**2021 Apportionment Commission
Apportionment Map Submission**

Map 3

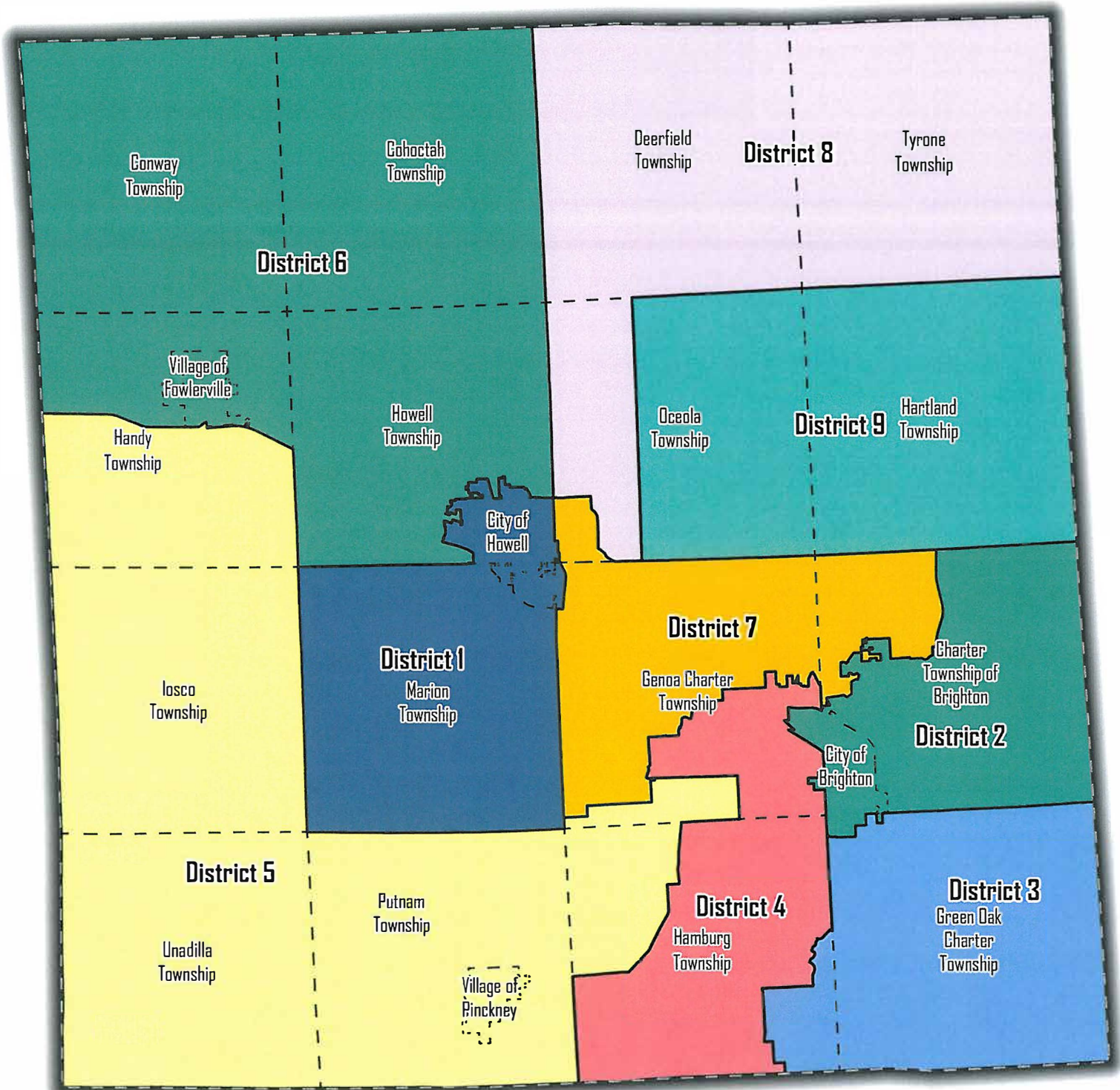
Submitted by: David Reader

(Name)

Jurisdiction: Livingston / Marion Twp

(County, City/Twp)

Date/Time: 9-10-2021 @ 10 40 a.m.



District	District Population	Deviation Percentage	Population Deviation
District 1	21313	-1.06	-228
District 2	21530	-0.05	-11
District 3	22231	3.2	690
District 4	21376	-0.77	-165
District 5	21916	1.74	375
District 6	20929	-2.84	-612
District 7	21777	1.1	236
District 8	20947	-2.76	-594
District 9	21847	1.41	306

Descriptions of County Commissioners Districts

Section 1 – District Descriptions

District 1

City of Howell

Marion Township

District 2

City of Brighton

Brighton Township (part) : Brighton Twp 1, Brighton Twp 3, Brighton Twp 4, Brighton Twp 5, Brighton Twp 7, Brighton Twp 8, Brighton Twp 9

District 3

Green Oak Township

Hamburg Township (part) : Hamburg Twp 5

District 4

Genoa Township (part) : Genoa Twp 4, Genoa Twp 6, Genoa Twp 8

Hamburg Township (part) : Hamburg Twp 1, Hamburg Twp 2, Hamburg Twp 4, Hamburg Twp 6, Hamburg Twp 7, Hamburg Twp 8

District 5

Genoa Township (part) : Genoa Twp 7 Hamburg

Township (part) : Hamburg Twp 3 Handy Township

(part) : Handy Twp 1 Iosco Township

Putnam Township

Unadilla Township

Descriptions of County Commissioners Districts

District 6

Cohoctah Township

Conway Township

Handy Township (part) / : Handy Twp 2, Handy Twp 3 Howell

Township

District 7

Brighton Township (part) : Brighton Twp 2, Brighton Twp 6

Genoa Township (part) : Genoa Twp 1, Genoa Twp 10, Genoa Twp 11, Genoa Twp 13, Genoa Twp 2, Genoa Twp 3, Genoa Twp 5, Genoa Twp 9

Oceola Township (part) : Oceola Twp 2

District 8

Deerfield Township

City of Fenton

Oceola Township (part) : Oceola Twp 1, Oceola Twp 5 Tyrone

Township

District 9

Hartland Township

Oceola Township (part) : Oceola Twp 3, Oceola Twp 4

2021 Apportionment Commission
Apportionment Map Submission

Map 4

Submitted by: Anne Santa Maria

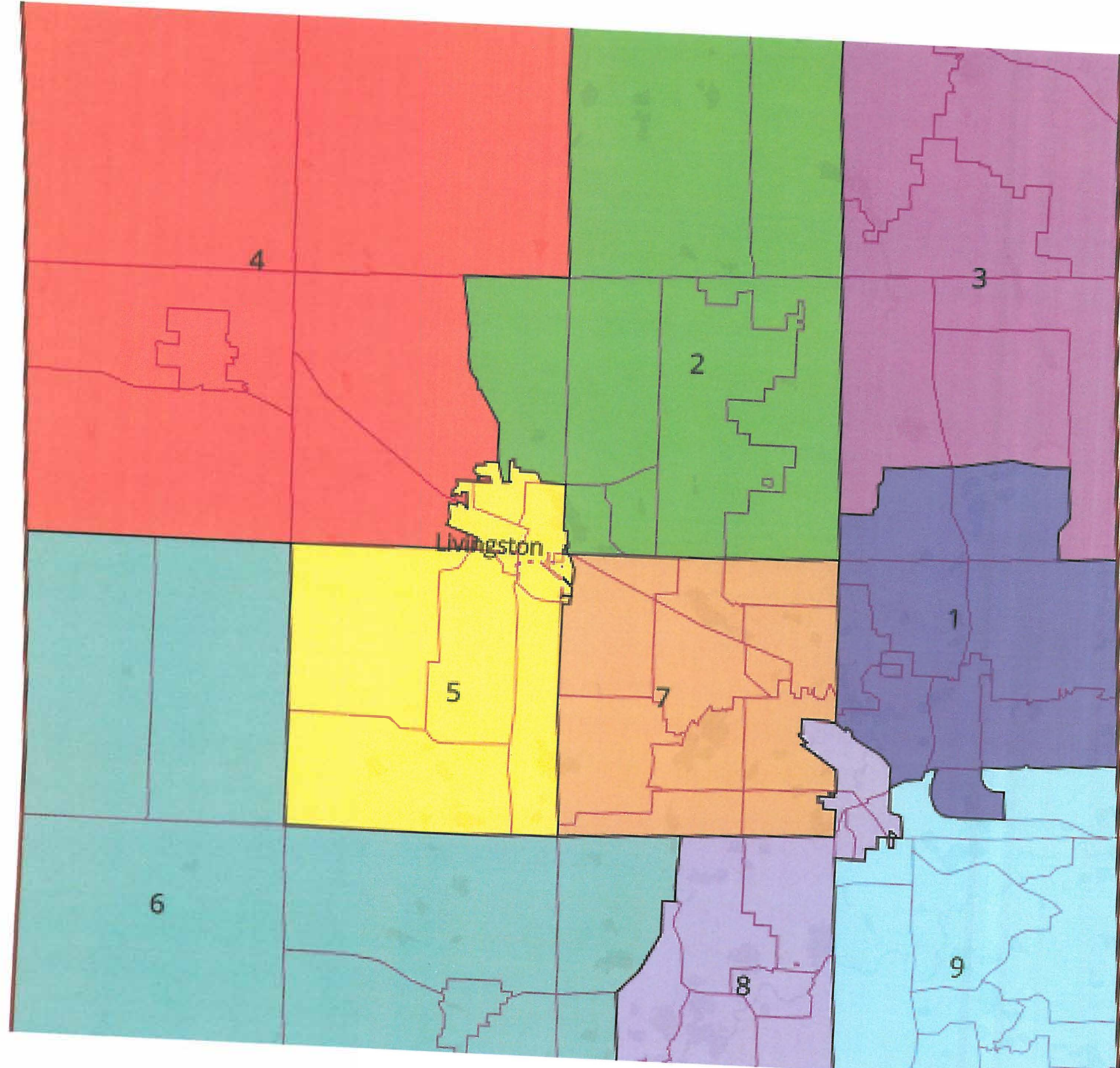
(Name)

Jurisdiction: Livingston / City of Brighton

(County, City/Township)

Date/Time: 9-14-2021 @ 3:47 p.m.





MEMORANDUM

To: Apportionment Commission Members

From: Anne Santa Maria

Email:

Date: September 9, 2021

Re: Proposed Livingston County Commission District Map

Attached are seven hard copies of a map created in the Dave's Redistricting app.

As a professional cartographer, my interest was to create a map that scored as highly as possible on three criteria, *ignoring everything else*:

- **Population variance – 9.19**; lower is better. The min/max range in population is from 20,373 (5.42 percent below perfect equalization) in District 4, to 22,353 (3.77 percent above perfect equalization) in District 9.
- **Number of township lines broken – 4**; lower is better
- **Compactness – 100%**; higher is better

As a citizen, I would want maps to be compared and rated *based solely on these or equally objective metrics*. Including other considerations seems to me to invite speculation that political, rather than demographic, factors are being used to draw maps.

Description of the map's nine districts, identified by city or township and precinct:

- District #1: Brighton Twp 1-4, 6, 7, & 9 + Hartland Twp 2 & 5
- District #2: Deerfield Twp 1 & 2 + Oceola Twp 1-5 + Howell Twp 2
- District #3: Tyrone Twp 1-4 + Hartland Twp 1, 3, & 4
- District #4: Conway + Cohoctah + Handy Precincts 1, 2, & 3 + Howell Twp 1 & 3
- District #5: City of Howell 1-3 + Marion Twp Precincts 1,2,3 & 4
- District #6: Iosco Twp Precincts 1 & 2 + Unadilla Twp + Putnam Twp Precincts 1-4 + Hamburg Twp 3 & 6
- District #7: Genoa Twp Precincts 1-11 and 13
- District #8: City of Brighton + Hamburg Twp 1, 2, 4, 5, 7, & 8
- District #9: Green Oak Twp + Brighton Twp 5 & 8

Thank you for considering my map. With its perfect score on compactness, its small number of breaks in township lines, and its low population variance, I think you'll find that it will be hard for other maps to outperform it on objective criteria.

2021 Apportionment Commission
Apportionment Map Submission

Map 5

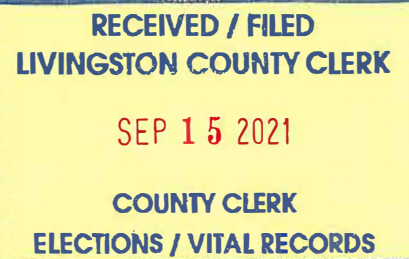
Submitted by: Judy Daubenmier

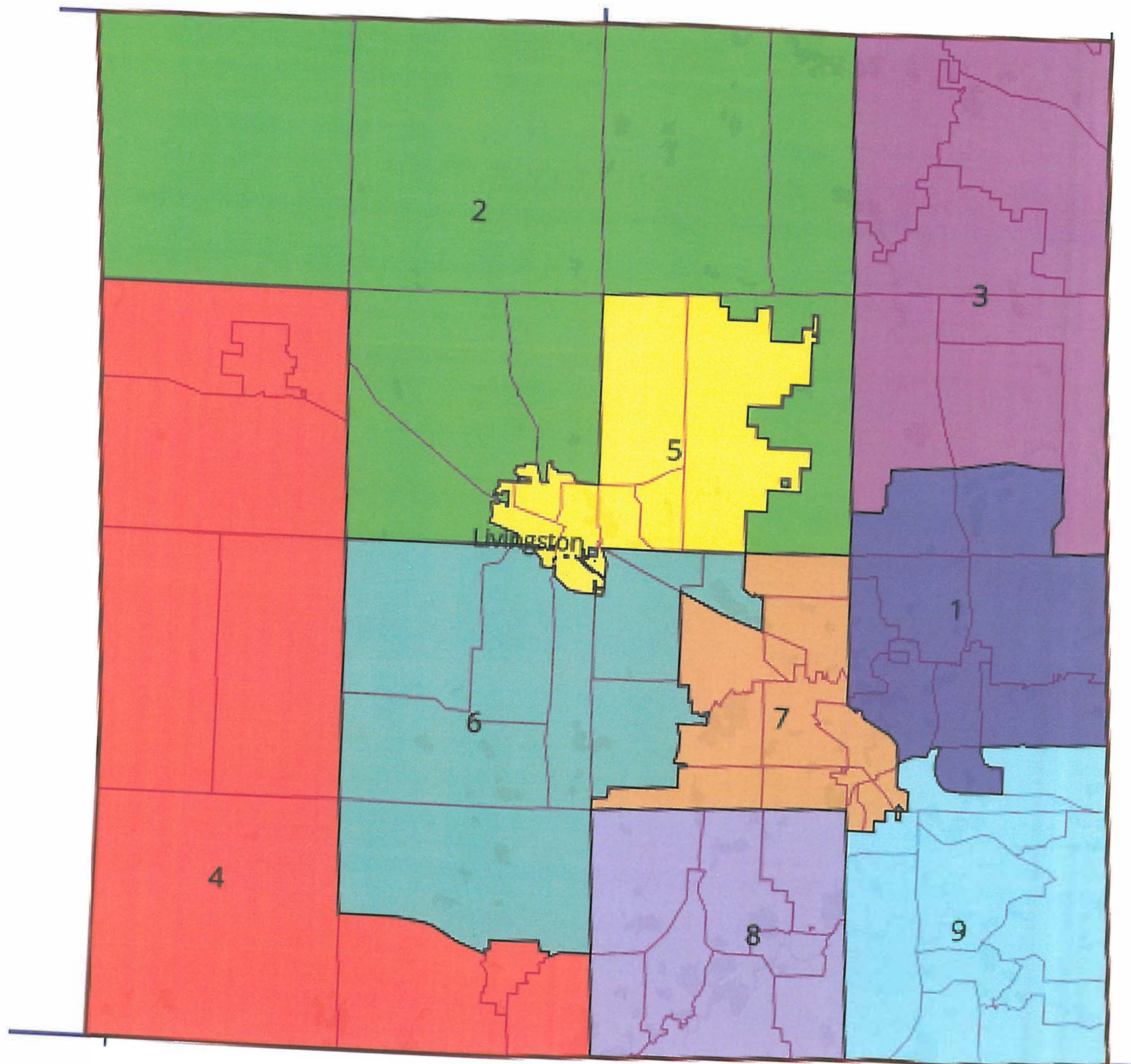
(Name)

Jurisdiction: Livingston / Genoa Township

(County, City/Township)

Date/Time: 9-15-2021 @ 10:15 a.m.





Description of Daubenmier Map 1
Submitted by Judy Daubenmier

This map meets all the criteria in the county reapportionment statute. It has a low population variance of 7.32 percent, a compactness score of 89, and five breaks.

The size of the districts ranges from 3.55 percent below the ideal in District 7 to 3.77 percent above in District 9.

On a rating scale from 0 to 300, this map scores 239. The breakdown is as follows: 89 points for compactness, 50 points for breaks, and 100 points for a population variance below 8 percent.

The districts are:

District 1: Brighton Township 1,2,3,4,6,7,9 and Hartland 2 and 5

District 2: Conway 1, Cohoctah 1, Deerfield 1 and 2, Howell Township 1, 2, 3 and Oceola 4.

District 3: Tyrone 1,2,3,4 and Hartland 1,3,4.

District 4: Handy 1,2,3, Iosco 1 and 2, Putnam 1,3,4, and Unadilla 1.

District 5: Howell City 1,2,3, and Oceola 1,2,3, and 5.

District 6: Marion 1,2,3,4, Putnam 2 and Genoa 1,2,5,9.

District 7: Brighton City 1,2,3,4, Genoa 3,4,6,7,8,10,11,13.

District 8: Hamburg 1,2,3,4,5,6,7,8.

District 9: Green Oak 1,2,3,4,5,6,7,8,9, and Brighton Township 5 and 8.

A breakdown of the rating scale used is:

--Compactness: 1 point for each percentage on Dave's Redistricting compactness grade.

--Breaks: 100 points for four or fewer breaks, 50 for 5 or 6 breaks, and 0 for 7 or more.

--Population Variance: 100 for less than 8 percent; 67 if between 8.0 and 9.9, 33 if between 10.0 and 11.9, and 0 for 12 or more.

2021 Apportionment Commission
Apportionment Map Submission

Map 6

Submitted by: Mark Fosdick

(Name)

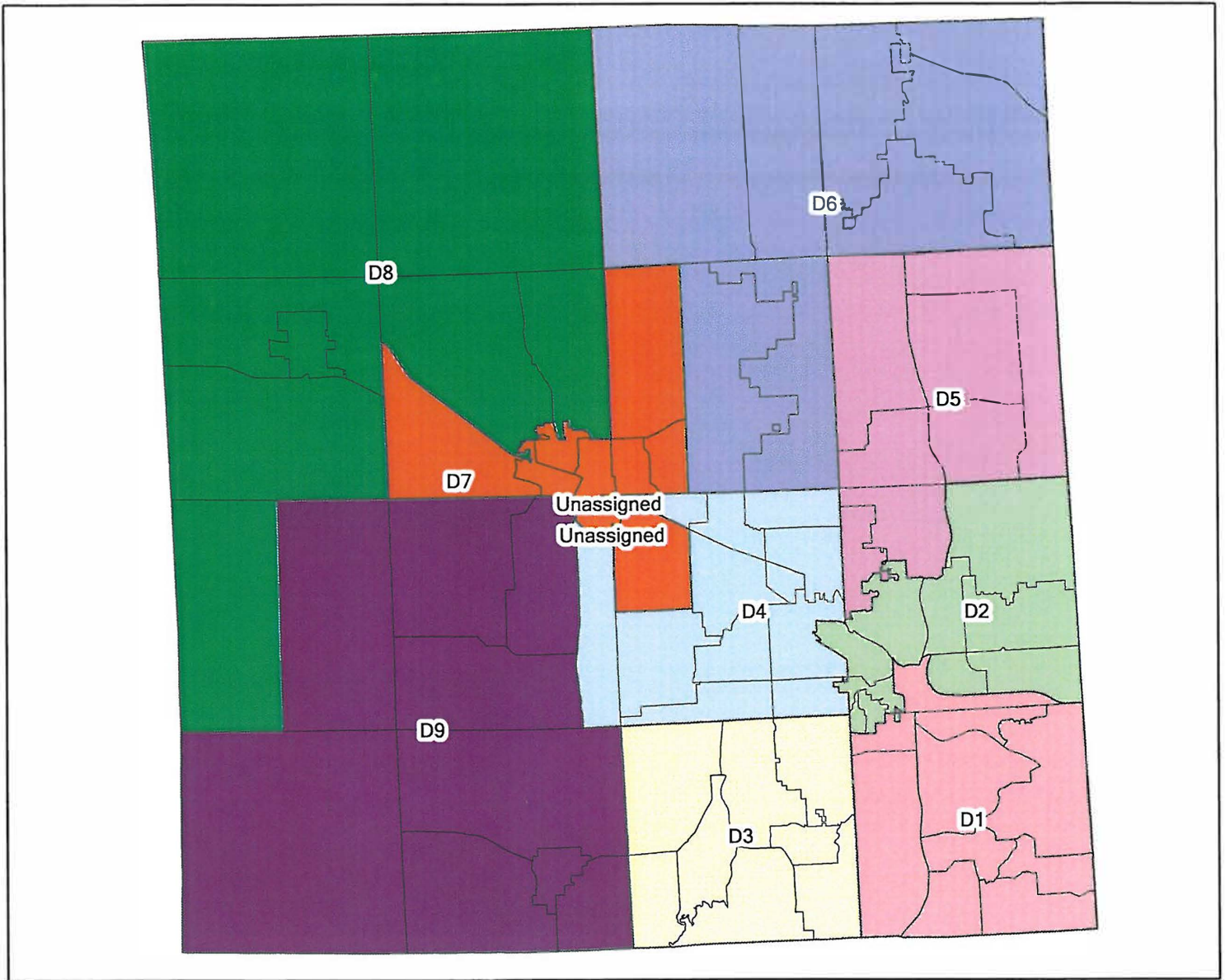
Jurisdiction: Livingston / Cohoctah Township

(County, City/Township)

Date/Time: 9-17-2021 @ 3:30 p.m.



Submitted by Mark Fosdick



DIST_ID	District	TotalPopulation	TotalPopulation_DEV	TotalPopulation_DVP
1	D1	20888	-653	-3.031428438791
2	D2	20185	-1356	-6.294972378255
3	D3	21292	-249	-1.155935193352
4	D4	21020	-521	-2.418643517014
5	D5	20326	-1215	-5.640406666357
6	D6	22699	1158	5.375794995589
7	D7	22134	593	2.752889837983
8	D8	22626	1085	5.036906364607
9	D9	22696	1155	5.361868065549

2021 Apportionment Commission

Apportionment Map Submission

Map 7

Submitted by: Jennifer Nash

(Name)

Jurisdiction: Livingston / Marion Township

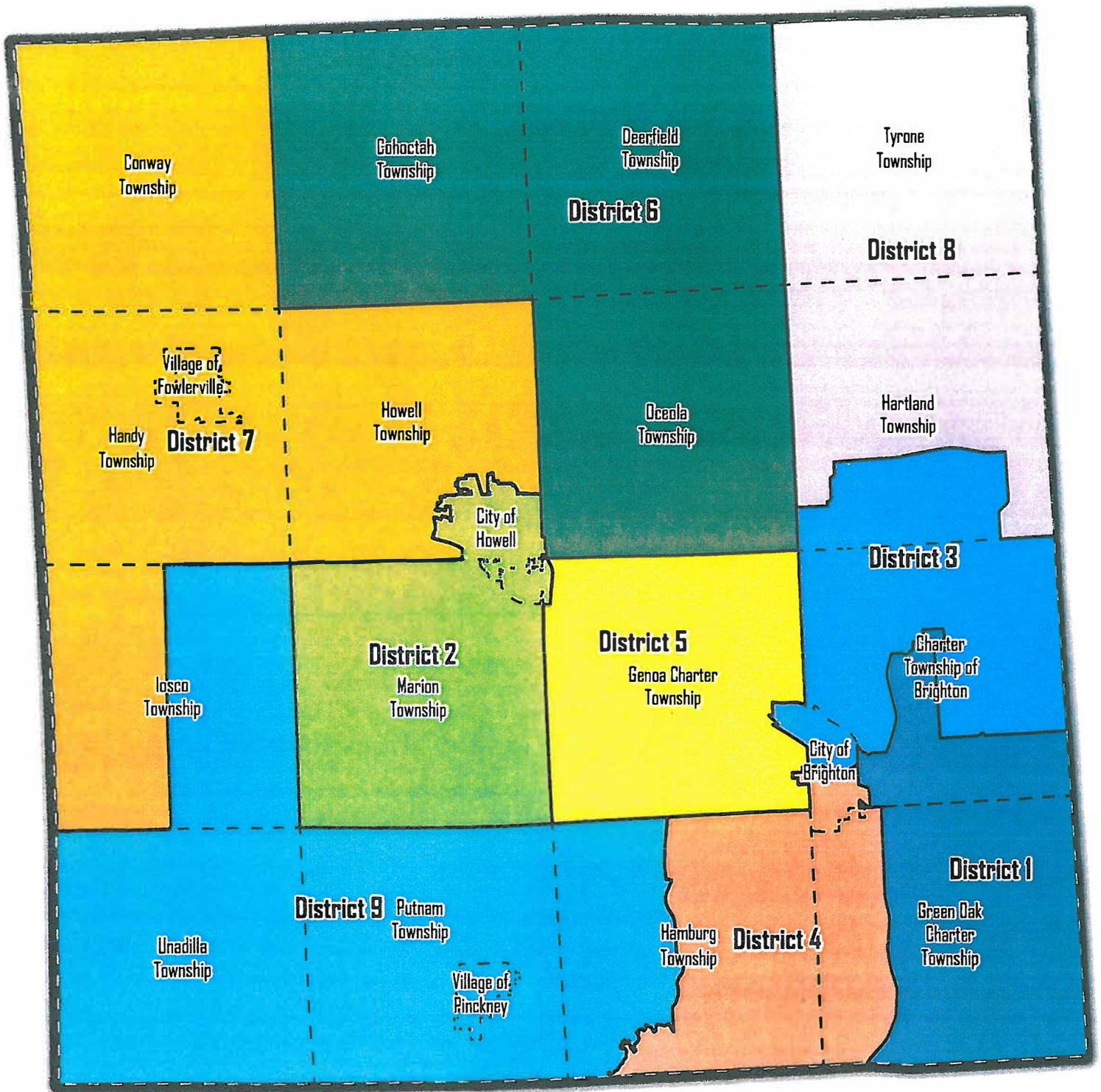
(County, City/Township)

Date/Time: 9-17-2021 @ 3:49 p.m.

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LIVINGSTON COUNTY CLERK

SEP 17 2021

COUNTY CLERK
ELECTIONS / VITAL RECORDS



District	Population	Deviation Pop	Deviation %
District 1	21643	102	0.47
District 2	21313	-228	-1.06
District 3	20721	-820	-3.81
District 4	21838	297	1.38
District 5	20667	-874	-4.06
District 6	22042	501	2.33
District 7	21783	242	1.12
District 8	21466	-75	-0.35
District 9	22393	852	3.96

Description of County Commissioner Districts

District 1: Green Oak Twp (Parts: 1,3,4,5,6,7,9), Brighton Twp (Parts: 3,4,5,8)

District 2: Marion Twp (ALL 1-4), Howell City (All 1-3)

District 3: Brighton City (Parts: 1), Brighton Twp (Parts: 1,2,6,7,9) Hartland Twp (Parts: 2,5)

District 4: Hamburg Twp (Parts: 1,4,5,7,8), Green Oak Twp (Parts: 8,2), Brighton City (Parts: 2,3,4)

District 5: Genoa Twp (All 1-13)

District 6: Cohoctah Twp (All 1), Deerfield Twp (All 1-2), Oceola Twp (All 1-5)

District 7: Conway Twp (All 1), Handy Twp (All 1-3), Howell Twp (All 1-3), Iosco Twp (Parts: 1)

District 8: Tyrone Twp (All 1-4), Hartland Twp (Parts: 1,3,4)

District 9: Iosco Twp (Part: 2), Unadilla Twp (All 1), Putnam Twp (All 1-4), Hamburg Twp (Parts: 2,3,6)

Population Deviation = 8.02% (-4.06 lowest / 3.96 highest)

Units Remaining Whole = 13

Respectfully Submitted, Jennifer Nash

2021 Apportionment Commission

Apportionment Map Submission

Map 8

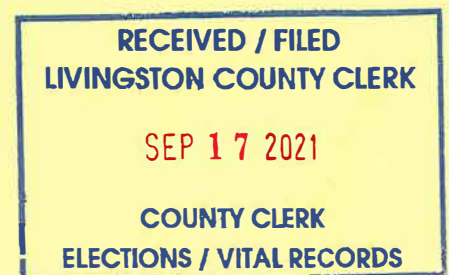
Submitted by: **Judy Daubenmier**

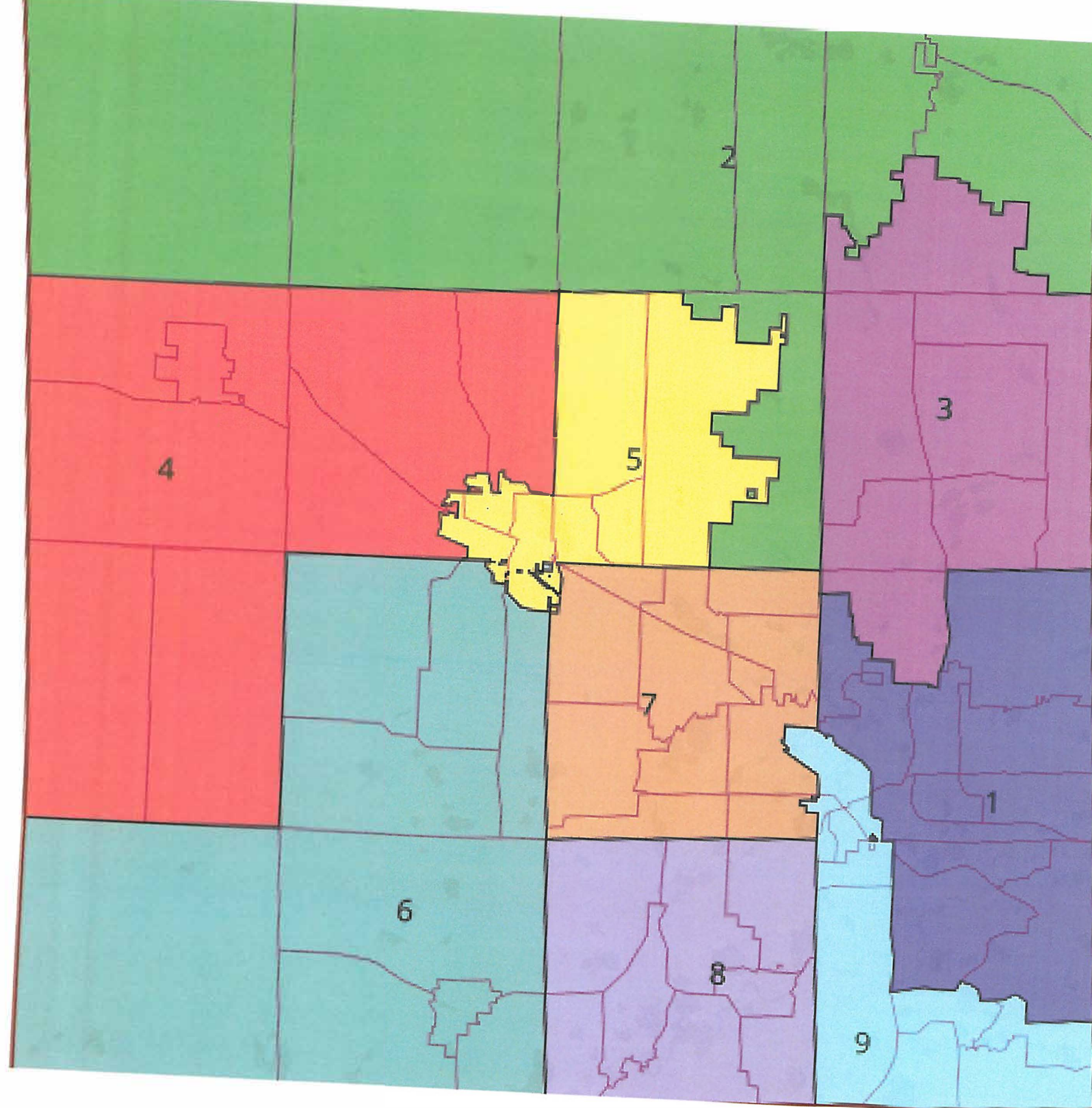
(Name)

Jurisdiction: **Livingston / Genoa**

(County, City/Township)

Date/Time: **9-17-2021 @ 4:20 p.m.**





Description of Daubenmier Map 2

This map meets all the criteria in the county reapportionment statute. It has a population variance of 9.72 percent, a compactness score of 82, and four breaks.

The size of the districts ranges from 5.46 percent below the ideal in District 4 to 4.26 percent above in District 6.

On a rating scale from 0 to 300 (see below), this map scores 249. The breakdown is as follows: 82 points for compactness, 100 points for breaks, and 67 points for a population variance between 8.0 and 9.9 percent.

The districts are:

District 1: Brighton Township 1,2,3,4,5,7,8,9 and Green Oak Township 4,5, and 7.

District 2: Conway 1, Cohoctah 1, Deerfield 1 and 2, Tyrone 1,2,3, and Oceola 4.

District 3: Hartland 1,2,3,4,5, Tyrone 4, Brighton Township 6.

District 4: Handy 1,2,3, Iosco 1,2, Howell Township 1,2,3.

District 5: Howell City 1,2,3, and Oceola 1,2,3 and 5.

District 6: Marion 1,2,3,4, Putnam 1,2,3,4, and Unadilla 1.

District 7: Genoa 1,2,3,4,5,6,7,8,9,10,11,13.

District 8: Hamburg 1,2,3,4,5,6,7,8.

District 9: Brighton City 1,2,3,4, and Green Oak 1,2,3,6,8, and 9.

A breakdown of the rating scale used is:

--Compactness: 1 point for each percentage on Dave's Redistricting compactness grade.

--Breaks: 100 points for four or fewer breaks, 50 for 5 or 6 breaks, and 0 for 7 or more.

--Population Variance: 100 for less than 8 percent; 67 if between 8.0 and 9.9, 33 if between 10.0 and 11.9, and 0 for 12 or more.

2021 Apportionment Commission
Apportionment Map Submission

Map 9

Submitted by: Elizabeth Hundley

(Name)

Jurisdiction: Livingston / Genoa

(County, City/Township)

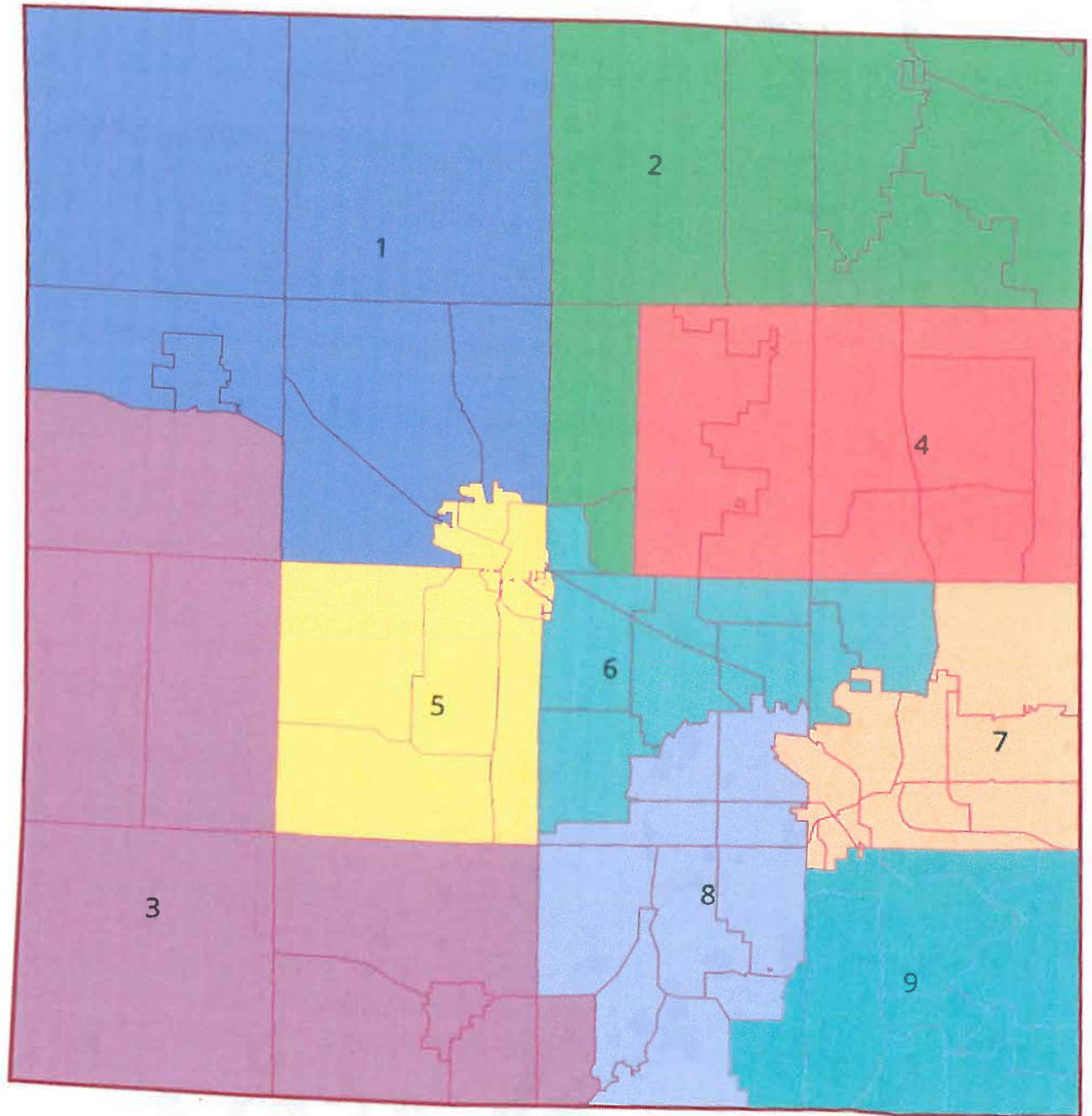
Date/Time: 9-20-2021 @ 8:42 a.m.

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LIVINGSTON COUNTY CLERK

SEP 20 2021

COUNTY CLERK
ELECTIONS / VITAL RECORDS

**ELIZABETH HUNDLEY
APPORTIONMENT MAP
2021**



Elizabeth Hundley

Apportionment Map Written Description

District 1: Conway Township; Cohoctah Township; Handy Township Precincts 2 & 3; and Howell Township.

District 2: Deerfield Township; Oceola Township Precincts 1 & 5; and Tyrone Township.

District 3: Handy Township Precinct 1; Iosco Township; Unadilla Township; Putnam Township; and Hamburg Precinct 6.

District 4: Hartland Township and Oceola Township Precincts 3 & 4.

District 5: City of Howell and Marion Township

District 6: Oceola Township Precinct 2; Genoa Charter Township Precincts 1, 2, 3, 5, 9, 10, 11, & 13; and Brighton Charter Township Precincts 2 & 6.

District 7: City of Brighton and Brighton Charter Township Precincts 1, 3, 4, 5, 7, 8, & 9.

District 8: Genoa Charter Township Precincts 4, 6, 7, & 8 and Hamburg Township Precincts 1, 2, 3, 4, 7, & 8.

District 9: Green Oak Charter Township and Hamburg Township Precinct 5.

Note: Genoa Charter Township at time of mapping consists of Precincts 1-11 & 13.

2021 Apportionment Commission
Apportionment Map Submission

Map 10

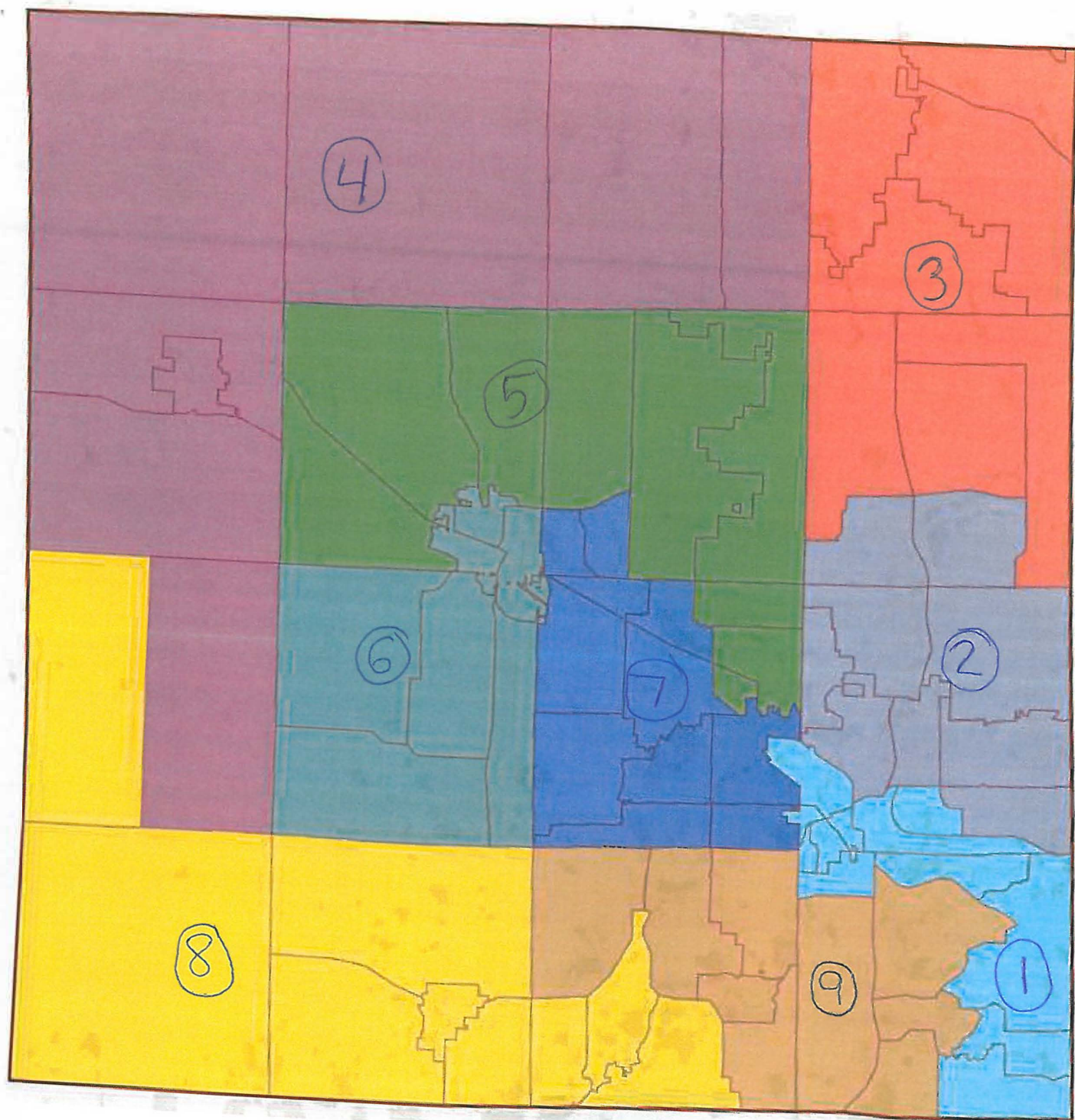
Submitted by: Jordan Genso

(Name)

Jurisdiction: Livingston | Brighton City

(County and City/Twp)

Date/Time: 9.20-2021 @ 11:49 A.M.



Map Submitted by Jordan Genso. 1628 Woodlake Cir, Brighton MI 48116

For the purpose of creating a map with the smallest population variance.

District 1: City of Brighton Precincts 1, 2, 3 & 4; Green Oak Twp Precincts 1, 2, 4, 6 & 7; Brighton Twp Precincts 3 & 5. Population 21,800

District 2: Brighton Twp Precincts 1, 2, 4, 6, 7, 8 & 9; Hartland Twp Precincts 2 & 5. Population 21,551

District 3: Tyrone Twp Precincts 1, 2, 3 & 4; Hartland Twp Precincts 1, 3 & 4. Population 21,466

District 4: Conway Twp Precinct 1; Cohoctah Twp Precinct 1; Deerfield Twp Precincts 1 & 2; Handy Twp Precincts 1, 2 & 3; Iosco Twp Precinct 2. Population 21,819

District 5: Howell Twp Precincts 1, 2 & 3; Oceola Twp Precincts 1, 3 & 4; Genoa Twp Precincts 3, 11 & 13. Population 21,810

District 6: City of Howell Precincts 1, 2 & 3; Marion Twp Precincts 1, 2, 3 & 4. Population 21,302

District 7: Genoa Twp Precincts 1, 2, 4, 5, 6, 7, 8, 9 & 10; Oceola Twp Precincts 2 & 5. Population 21,409

District 8: Iosco Twp Precinct 1; Unadilla Twp Precinct 1; Putnam Twp Precincts 1, 2, 3 & 4; Hamburg Twp Precincts 2, 4 & 6. Population 21,303

District 9: Hamburg Twp Precincts 1, 3, 5, 7 & 8; Green Oak Twp Precincts 3, 5, 8 & 9. Population 21,406

Smallest Population: District 6 with 21,302

Largest Population: District 4 with 21,819

Difference between most & least populated: 517

Total population variance (sum of absolute values) from the 21,541 average district size: 1,635

**2021 Apportionment Commission
Apportionment Map Submission**

Map 11

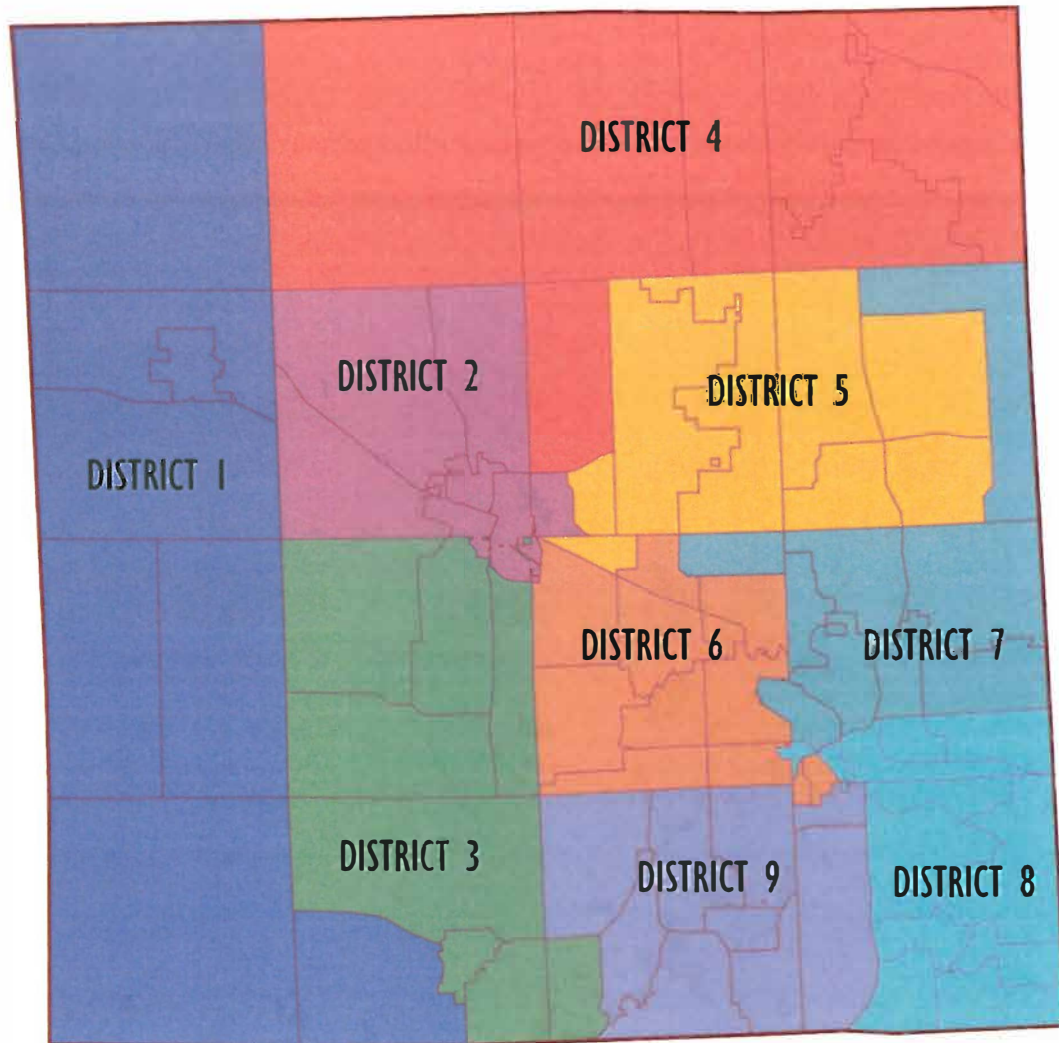
Submitted by: Meghan Reckling

(Name)

Jurisdiction: Livingston / Handy Township

(County, City/Township)

Date/Time: 9-20-2021 @ 2:05 p.m.



District #1:

- Conway Township
- Handy Township
- Iosco Township
- Unadilla Township
- Putnam Township, Precinct #1

District #2:

- City of Howell
- Howell Township
- Oceola Township, Precinct #2

District #3:

- Marion Township
- Putnam Township, Precinct #2, 3, & 4

District #4:

- Cohoctah Township
- Deerfield Township
- Tyrone Township
- Oceola Township, Precinct #1

District #5:

- Oceola Township, Precinct #2, 3, 4, & 5
- Hartland Township, Precinct #1, 2, 4 & 5
- Genoa Township, Precinct #1

District #6:

- Genoa Township, Precinct #2, 3, 4, 5, 6, 7, 8, 9, 10, & 13
- City of Brighton, Precinct #3 & 4

District #7:

- Hartland Township, Precinct #3
- Genoa Township, Precinct #11
- Brighton Township, Precinct #1, 2, 4, 6, 7, & 9
- City of Brighton, Precinct #1

District #8:

- Brighton Township, Precinct #3, 5 & 8
- City of Brighton, Precinct #2
- Green Oak Township, Precinct #1, 3, 4, 5, 6, 7 & 9

District #9:

- Green Oak Township, Precinct #2 & 8
- Hamburg Township, Precinct #1, 2, 3, 4, 5, 7 & 8

Meghan Reckling

Corrected Map Description

District #1:

- Conway Township
- Handy Township
- Iosco Township
- Unadilla Township
- Putnam Township, Precinct #1

District #2:

- City of Howell
- Howell Township
- Oceola Township, Precinct #2

District #3:

- Marion Township
- Putnam Township, Precinct #2, 3, & 4
- Hamburg Township, Precinct #6

District #4:

- Cohoctah Township
- Deerfield Township
- Tyrone Township
- Oceola Township, Precinct #1

District #5:

- Oceola Township, Precinct #3, 4, & 5
- Genoa Township, Precinct #1
- Hartland Township, Precinct #1, 2, 4 & 5

District #6:

- Genoa Township #2, 3, 4, 5, 6, 7, 8, 9, 10, & 13
- City of Brighton, Precinct #3 & 4

District #7:

- Hartland Township, Precinct #3
- Genoa Township, Precinct #11
- Brighton Township, Precinct #1, 2, 4, 6, 7, & 9
- City of Brighton, Precinct #1

District #8:

- Brighton Township, Precinct #3, 5 & 8
- City of Brighton, Precinct #2
- Green Oak Township, Precinct #1, 3, 4, 5, 6, 7 & 9

District #9:

- Green Oak Township, Precinct #2 & 8
- Hamburg Township, Precinct #1, 2, 3, 4, 5, 7 & 8

2021 Apportionment Commission
Apportionment Map Submission

Map 12

Submitted by: Michael Dolan

(Name)

Jurisdiction: Livingston / Hamburg Township

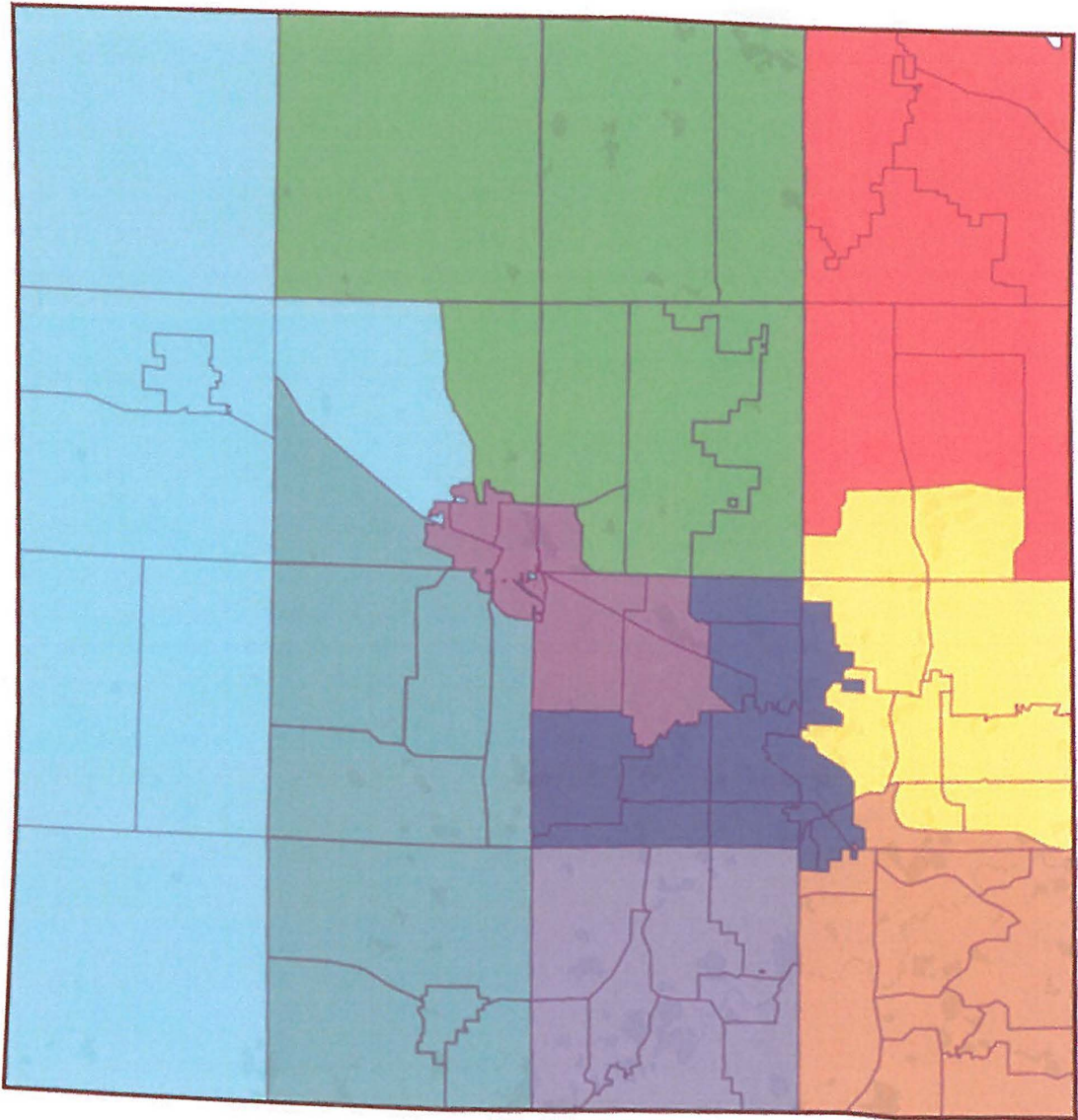
(County, City/Township)

Date/Time: 9-20-2021 @ 2:11 p.m.

09/20/2021

To: Livingston
County
Apportionment
Committee

From: Michael
Dolan



09/20/2021

To: County Clerk Elections Division

From: Michael Dolan

Ref: Apportionment Commission

Livingston County Commissioner District Description:

- #1 - City of Brighton all 4 precincts
Genoa Twp precincts 3 – 8, 11 & 13
Brighton Twp precinct 2
- #2 - Cohoctah Twp all 1 precinct
Deerfield Twp all 2 precincts
Oceola Twp precincts 1, 3 - 5
- #3 – Genoa Twp 1, 2, 9, 10
Oceola Twp precinct 2
City of Howell all 3 precincts
- #4 – Tyrone Twp all 4 precincts
Hartland precincts 1, 3, 4
- #5 – Hartland Twp precincts 2 & 5
Brighton Twp precincts 1, 3, 4, 6, 8, 9
- #6 – Putnam Twp all 4 precincts
Marion Twp all 4 precincts
Howell Twp precinct 3
- #7 – Green Oak Twp all 9 precincts
Brighton Twp precinct 5
- #8 – Hamburg Twp all 8 precincts
- #9 – Unadilla Twp all 1 precinct
Iosco Twp all 2 precincts
Handy Twp all 3 precincts
Conway Twp all 1 precinct
Howell Twp precinct 1

2021 Apportionment Commission
Apportionment Map Submission

Map 13

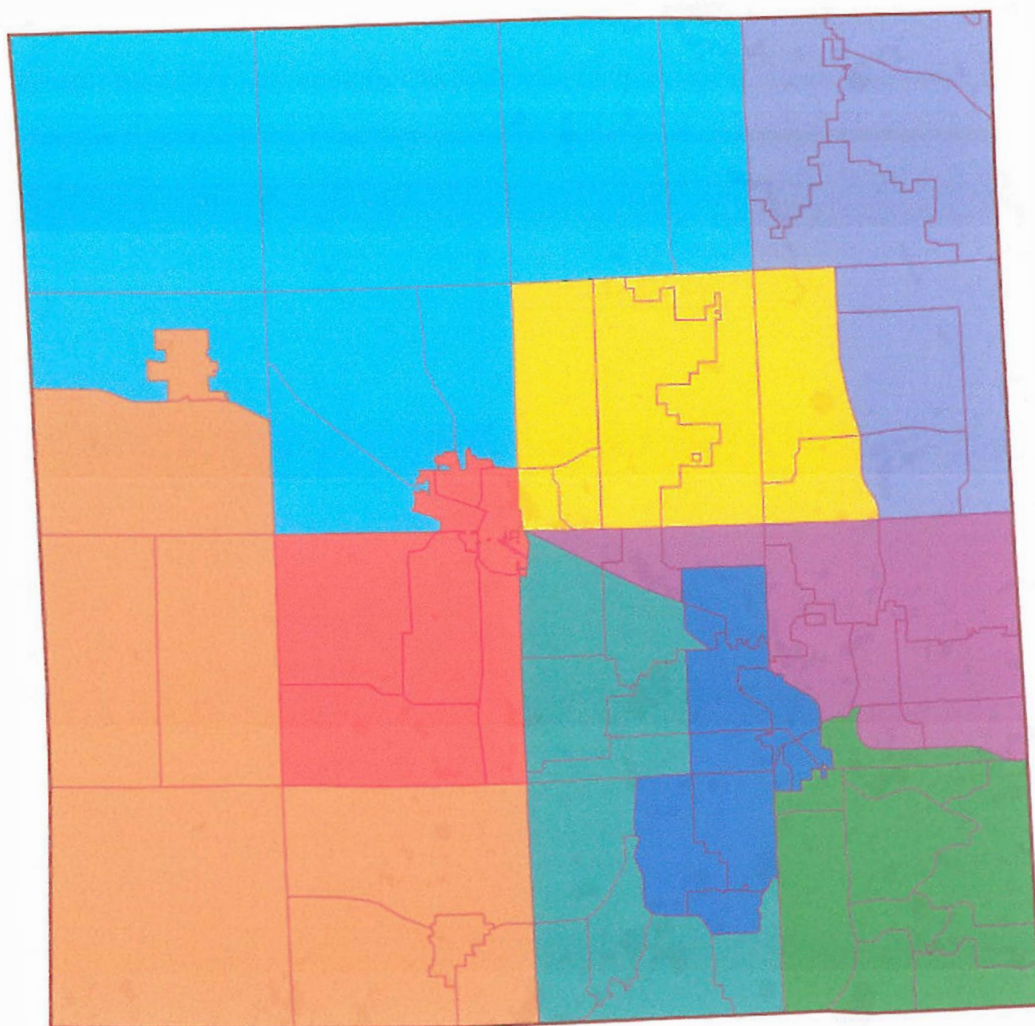
Submitted by: Dominic Restuccia

(Name)

Jurisdiction: Livingston / Howell City

(County, City/Township)

Date/Time: 9-20-2021 @ 3:19 p.m.



District #1:

- Conway Twp
- Cohoctah Twp
- Deerfield Twp
- Howell Twp
- Handy Twp, Precinct #3

District #2

- Handy Twp, Precinct #2 - City of Fowlerville
- Iosco Twp
- Unadilla Twp
- Putnam Twp

District #3

- City of Howell
- Marion Twp

District #4

- Genoa Twp, Precincts #2, 10, 5, 6, and 7
- Hamburg Twp, Precincts #3, 2, 6, 4, and 5

District #5

- City of Brighton
- Genoa Twp, Precincts #3, 13, 4, and 8
- Hamburg Twp, Precincts #1, 7, and 8

District #6

- Green Oak Twp
- Brighton Twp, Precinct #5

District #7

- Brighton Twp, Precincts #1, 2, 3, 4, 6, 7, 8, and 9
- Genoa Twp, Precincts #11, 9, and 1

District #8

- Oceola Twp
- Hartland Twp, Precincts #2 and 4

District #9

- Tyrone Twp
- Hartland Twp, Precincts #1, 3, and 5

2021 Apportionment Commission
Apportionment Map Submission

Map 14

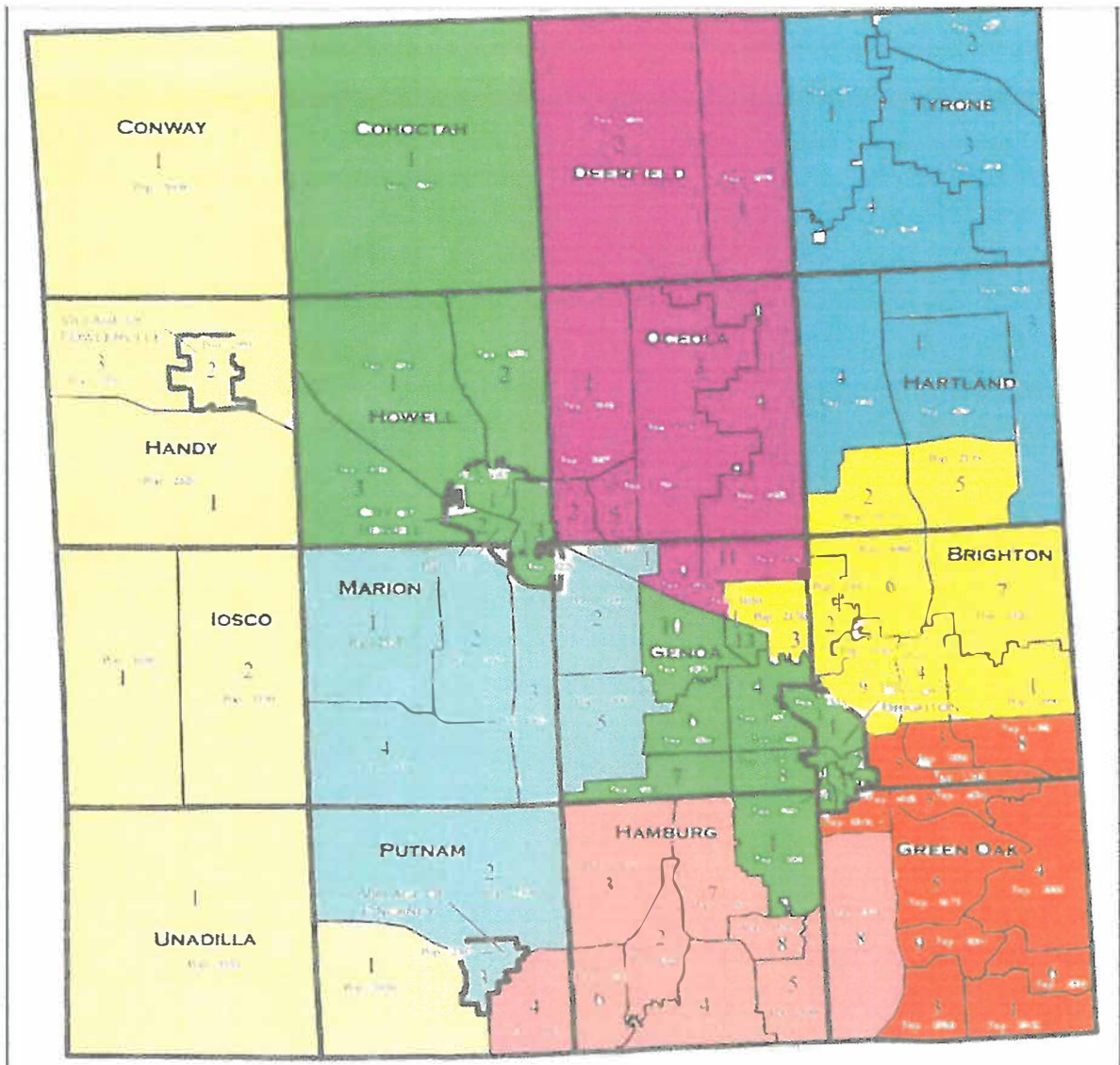
Submitted by: Paula Seiter

(Name)

Jurisdiction: Livingston / Hamburg Twp

(County, City/Township)

Date/Time: 9-20-2021 @ 3:47 p.m.



Summary

District	Target-Population	Actual Population	Population Deviation	Population Deviation %
1	21541	22238	697	3.24%
2	21541	21858	317	1.47%
3	21541	21466	-75	-0.35%
4	21541	21063	-478	-2.22%
5	21541	21207	-334	-1.55%
6	21541	21309	-232	-1.08%
7	21541	21167	-374	-1.74%
8	21541	21550	9	0.04%
9	21541	22008	467	2.17%

Detail

Municipality	Precinct	Total Population	Precinct Name and Number	District
Brighton Twp	1	2090	Brighton Twp 1	1
Brighton Twp	2	1960	Brighton Twp 2	1
Brighton Twp	3	2021	Brighton Twp 3	9
Brighton Twp	4	1676	Brighton Twp 4	1
Brighton Twp	5	1345	Brighton Twp 5	9
Brighton Twp	6	3088	Brighton Twp 6	1
Brighton Twp	7	2326	Brighton Twp 7	1
Brighton Twp	8	1473	Brighton Twp 8	9
Brighton Twp	9	3153	Brighton Twp 9	1
City of Brighton	1	2335	City of Brighton 1	7
City of Brighton	2	1755	City of Brighton 2	7
City of Brighton	3	1965	City of Brighton 3	7
City of Brighton	4	1391	City of Brighton 4	7
City of Howell	1	3053	City of Howell 1	5
City of Howell	2	3795	City of Howell 2	5
City of Howell	3	3220	City of Howell 3	5
Cohoctah Twp	1	3246	Cohoctah Twp 1	5

Conway Twp	1	3608	Conway Twp 1	4
Deerfield Twp	1	1972	Deerfield Twp 1	2
Deerfield Twp	2	2201	Deerfield Twp 2	2
Genoa Twp	1	2460	Genoa Twp 1	6
Genoa Twp	2	1609	Genoa Twp 2	6
Genoa Twp	3	2176	Genoa Twp 3	1
Genoa Twp	4	1637	Genoa Twp 4	7
Genoa Twp	5	1300	Genoa Twp 5	6
Genoa Twp	6	2534	Genoa Twp 6	7
Genoa Twp	7	1211	Genoa Twp 7	7
Genoa Twp	8	1793	Genoa Twp 8	7
Genoa Twp	9	2064	Genoa Twp 9	2
Genoa Twp	10	1875	Genoa Twp 10	7
Genoa Twp	11	998	Genoa Twp 11	2
Genoa Twp	13	1010	Genoa Twp 13	7
Green Oak Twp	1	2745	Green Oak Twp 1	9
Green Oak Twp	2	2041	Green Oak Twp 2	9
Green Oak Twp	3	2720	Green Oak Twp 3	9
Green Oak Twp	4	2535	Green Oak Twp 4	9
Green Oak Twp	5	2179	Green Oak Twp 5	9
Green Oak Twp	6	2331	Green Oak Twp 6	9
Green Oak Twp	7	1304	Green Oak Twp 7	9
Green Oak Twp	8	2374	Green Oak Twp 8	8
Green Oak Twp	9	1314	Green Oak Twp 9	9
Hamburg Twp	1	3661	Hamburg Twp 1	7
Hamburg Twp	2	2558	Hamburg Twp 2	8
Hamburg Twp	3	3192	Hamburg Twp 3	8
Hamburg Twp	4	2518	Hamburg Twp 4	8
Hamburg Twp	5	2688	Hamburg Twp 5	8
Hamburg Twp	6	3230	Hamburg Twp 6	8
Hamburg Twp	7	1750	Hamburg Twp 7	8
Hamburg Twp	8	1695	Hamburg Twp 8	8
Handy Twp	1	2420	Handy Twp 1	4
Handy Twp	2	2951	Handy Twp 2	4
Handy Twp	3	3231	Handy Twp 3	4
Hartland Twp	1	2824	Hartland Twp 1	3
Hartland Twp	2	3570	Hartland Twp 2	1
Hartland Twp	3	3565	Hartland Twp 3	3
Hartland Twp	4	3120	Hartland Twp 4	3
Hartland Twp	5	2199	Hartland Twp 5	1
Howell Twp	1	2514	Howell Twp 1	5
Howell Twp	2	2976	Howell Twp 2	5

Howell Twp	3	2403	Howell Twp 3	5
Iosco Twp	1	1680	Iosco Twp 1	4
Iosco Twp	2	2190	Iosco Twp 2	4
Marion Twp	1	2937	Marion Twp 1	6
Marion Twp	2	3392	Marion Twp 2	6
Marion Twp	3	1962	Marion Twp 3	6
Marion Twp	4	2954	Marion Twp 4	6
Oceola Twp	1	3093	Oceola Twp 1	2
Oceola Twp	2	3237	Oceola Twp 2	2
Oceola Twp	3	4114	Oceola Twp 3	2
Oceola Twp	4	2455	Oceola Twp 4	2
Oceola Twp	5	1724	Oceola Twp 5	2
Putnam Twp	1	1650	Putnam Twp 1	4
Putnam Twp	2	2308	Putnam Twp 2	6
Putnam Twp	3	2387	Putnam Twp 3	6
Putnam Twp	4	1545	Putnam Twp 4	8
Tyrone Twp	1	2977	Tyrone Twp 1	3
Tyrone Twp	2	2891	Tyrone Twp 2	3
Tyrone Twp	3	2742	Tyrone Twp 3	3
Tyrone Twp	4	3347	Tyrone Twp 4	3
Unadilla Twp	1	3333	Unadilla Twp 1	4