

Wayne County Apportionment Commission

Includes:

Staff Plan, 3rd Iteration, May 27th Version

& Option 6

May 27th, 2011

Presented by :

DATA DRIVEN DETROIT 

163 Madison St. Detroit MI

www.datadrivendetroit.org

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Included in this Staff Plan:

- Planning Questions & Answers for Staff Plan 3rd Iteration
- Staff Plan 3rd Iteration - Map
- Staff Plan 3rd Iteration - Table 1: Total Populations, Deviation and Demographics by District
- Staff Plan 3rd Iteration - Table 2: Total Populations and Demographics by District for Persons Over 18

Planning Questions & Answers

Question	Answer
How many districts?	15
Are they single member districts?	Yes
Did you use the 2010 Census figures?	Yes
Are the districts contiguous?	Yes
Are the districts compact?	All districts are compact as possible respecting population numbers and civil boundary lines.
Are the districts nearly square in shape as is practicable?	All districts are as square as possible respecting population numbers, civil boundary lines and the shoreline of the Detroit River.
Were the districts drawn for partisan political advantage?	No
What is the ideal population?	121,372 (1,820,584 Total Population / 15 Districts = 121,372)
What is the population for each district?	See Table 1
What is the total deviation for each district?	See Table 1
What is the total deviation?	9.83
How was it calculated?	The total population divergence or deviation is calculated by adding the percentage deviations from perfect equality of the districts with the highest deviations above and below perfect equality.
How is the plan different from the 2000/present plan?	The plan attempts to comply with redistricting principles by creating compact, contiguous and nearly square districts taking into effect the increase/decrease in population from 2010 census data. This was done to achieve maximum equality among the districts.
What effects does it have on incumbents?	The effect on incumbents was not considered.
How many townships/cities are split? Why	Three cities were split to balance population.
Which townships/cities are split? Why?	Detroit and Livonia, which are the same two communities split in the 2001 plan, and Westland is split to balance population. This was done to achieve maximum equality among the districts.
How many voting districts/precincts are split? Why?	None
Were any geographical features considered?	Yes. City and township boundaries, major streets and voting tabulation districts (precincts) in an attempt to make each district as compact, contiguous and square as possible while maintaining population standards.
What is the Hispanic population in each district?	See Table 1
What percent of each district's population is Hispanic?	See Table 1
What is the African-American Population in each district?	See Table 1
What percent of each district's population is African-American?	See Table 1
What is the Asian American Population in each district?	See Table 1
What percent of each district's population is Asian American?	See Table 1

Table 1 : Total Populations, Deviation and Demographics by District

DISTRICT	Total Pop	Target Pop	Deviation	Difference	White Pop	White %	Black Pop	Black %	Hispanic Pop	Hispanic %	Asian Pop	Asian %	Minority Pop	Minority %
1	123,403	121,372	1.67%	2,031	53,388	43.3%	65,718	53.3%	1,748	1.42%	1,381	1.12%	70,991	57.53%
2	120,395	121,372	-0.81%	-977	11,289	9.4%	104,006	86.4%	1,565	1.30%	1,729	1.44%	109,653	91.08%
3	122,810	121,372	1.18%	1,438	19,610	16.0%	90,016	73.3%	1,432	1.17%	9,259	7.54%	103,586	84.35%
4	124,948	121,372	2.95%	3,576	72,379	57.9%	24,060	19.3%	47,892	38.33%	587	0.47%	74,552	59.67%
5	120,955	121,372	-0.34%	-417	3,414	2.8%	114,117	94.3%	1,317	1.09%	414	0.34%	117,789	97.38%
6	125,193	121,372	3.15%	3,821	5,268	4.2%	116,830	93.3%	1,084	0.87%	263	0.21%	120,095	95.93%
7	118,842	121,372	-2.08%	-2,530	11,554	9.7%	103,112	86.8%	2,929	2.46%	211	0.18%	108,262	91.10%
8	116,584	121,372	-3.95%	-4,788	91,128	78.2%	19,104	16.4%	4,449	3.82%	1,724	1.48%	28,357	24.32%
9	117,730	121,372	-3.00%	-3,642	106,054	90.1%	3,822	3.2%	2,802	2.38%	5,407	4.59%	13,825	11.74%
10	126,829	121,372	4.50%	5,457	99,094	78.1%	9,916	7.8%	3,643	2.87%	13,900	10.96%	30,323	23.91%
11	119,391	121,372	-1.63%	-1,981	84,355	70.7%	27,236	22.8%	5,258	4.40%	2,003	1.68%	38,146	31.95%
12	122,477	121,372	0.91%	1,105	84,934	69.3%	30,087	24.6%	4,004	3.27%	2,933	2.39%	39,951	32.62%
13	126,363	121,372	4.11%	4,991	113,658	89.9%	4,569	3.6%	5,660	4.48%	1,934	1.53%	16,604	13.14%
14	114,909	121,372	5.33%	-6,463	93,392	81.3%	14,157	12.3%	4,516	3.93%	2,892	2.52%	24,504	21.32%
15	119,755	121,372	-1.33%	-1,617	102,419	85.5%	11,193	9.3%	6,961	5.81%	1,278	1.07%	21,766	18.18%
Total	1,820,584				951,936		737,943		95,260		45,915		918,404	

Table 1 : Total Populations, Deviation and Demographics by District

DISTRICT	Total Pop	Target Pop	Deviation	Difference	Am.Indian & Nat .Alaskan Pop	Am.Indian & Nat .Alaskan %	Nat.Hawaii & Pac.Isle Pop	Nat.Hawaii & Pac.Isle %	Other Races Pop	Other Races %	Two+ Races Pop	Two+ Races %
1	123,403	121,372	1.67%	2,031	250	0.20%	18	0.01%	405	0.33%	2243	1.82%
2	120,395	121,372	-0.81%	-977	469	0.39%	7	0.01%	423	0.35%	2472	2.05%
3	122,810	121,372	1.18%	1,438	340	0.28%	23	0.02%	458	0.37%	3104	2.53%
4	124,948	121,372	2.95%	3,576	1137	0.91%	78	0.06%	21518	17.22%	5189	4.15%
5	120,955	121,372	-0.34%	-417	312	0.26%	8	0.01%	409	0.34%	2281	1.89%
6	125,193	121,372	3.15%	3,821	322	0.26%	8	0.01%	306	0.24%	2196	1.75%
7	118,842	121,372	-2.08%	-2,530	352	0.30%	20	0.02%	1184	1.00%	2409	2.03%
8	116,584	121,372	-3.95%	-4,788	496	0.43%	23	0.02%	1049	0.90%	3060	2.62%
9	117,730	121,372	-3.00%	-3,642	254	0.22%	20	0.02%	467	0.40%	1706	1.45%
10	126,829	121,372	4.50%	5,457	322	0.25%	33	0.03%	778	0.61%	2786	2.20%
11	119,391	121,372	-1.63%	-1,981	670	0.56%	41	0.03%	1473	1.23%	3613	3.03%
12	122,477	121,372	0.91%	1,105	469	0.38%	30	0.02%	1014	0.83%	3010	2.46%
13	126,363	121,372	4.11%	4,991	367	0.29%	41	0.03%	1382	1.09%	4412	3.49%
14	114,909	121,372	5.33%	-6,463	571	0.50%	19	0.02%	1022	0.89%	2856	2.49%
15	119,755	121,372	-1.33%	-1,617	660	0.55%	35	0.03%	1653	1.38%	2517	2.10%
Total	1,820,584				6,991		404		33,541		43,854	

Table 2 : Total Populations and Demographics by District for Persons Over 18

DISTRICT	Total Pop	Total 18+ Pop	Total 18+ %	White 18+ Pop	White 18+ %	Black 18+ Pop	Black 18+ %	Hispanic 18+ Pop	Hispanic 18+ %	Asian 18+ Pop	Asian 18+ %
1	123,403	88,239	71.50%	41,974	47.57%	43,688	49.51%	1,075	1.22%	1,053	1.19%
2	120,395	94,906	78.83%	10,702	11.28%	80,114	84.41%	1,223	1.29%	1,629	1.72%
3	122,810	87,337	71.12%	14,840	16.99%	64,254	73.57%	993	1.14%	5,859	6.71%
4	124,948	87,882	70.33%	53,226	60.57%	17,577	20.00%	28,995	32.99%	452	0.51%
5	120,955	91,998	76.06%	3,178	3.45%	86,362	93.87%	908	0.99%	375	0.41%
6	125,193	93,520	74.70%	4,750	5.08%	86,698	92.71%	727	0.78%	221	0.24%
7	118,842	85,261	71.74%	9,012	10.57%	73,627	86.35%	1,816	2.13%	181	0.21%
8	116,584	88,119	75.58%	71,277	80.89%	12,915	14.66%	2,765	3.14%	1,319	1.50%
9	117,730	92,488	78.56%	84,452	91.31%	2,920	3.16%	1,816	1.96%	3,829	4.14%
10	126,829	94,162	74.24%	75,637	80.33%	6,858	7.28%	2,256	2.40%	9,621	10.22%
11	119,391	89,407	74.89%	66,691	74.59%	18,053	20.19%	3,173	3.55%	1,547	1.73%
12	122,477	94,396	77.07%	68,219	72.27%	21,312	22.58%	2,538	2.69%	2,305	2.44%
13	126,363	91,134	72.12%	82,753	90.80%	3,175	3.48%	3,688	4.05%	1,478	1.62%
14	114,909	86,444	75.23%	71,859	83.13%	10,059	11.64%	2,825	3.27%	2,065	2.39%
15	119,755	93,496	78.07%	81,737	87.42%	7,948	8.50%	4,335	4.64%	1,023	1.09%

Table 2, Continued : Total Populations and Demographics by District for Persons Over 18

DISTRICT	Am. Indian & Nat. Alaskan 18+ Pop	Am. Indian & Nat. Alaskan 18+ %	Nat. Hawaii & Pac. Isle 18+ Pop	Nat. Hawaii & Pac. Isle 18+ %	Other Races 18+ Pop	Other Races 18+ %	Minority 18+ Pop	Minority 18+ %	One Race 18+ Pop	One Race 18+ %	Two+ Races 18+ Pop	Two+ Races 18+ %
1	180	0.20%	14	0.02%	223	0.25%	46,901	53.15%	87,132	98.75%	1,107	1.25%
2	379	0.40%	7	0.01%	342	0.36%	84,669	89.21%	93,173	98.17%	1,733	1.83%
3	238	0.27%	21	0.02%	305	0.35%	72,807	83.36%	85,517	97.92%	1,820	2.08%
4	825	0.94%	49	0.06%	13,057	14.86%	48,151	54.79%	85,186	96.93%	2,696	3.07%
5	250	0.27%	6	0.01%	276	0.30%	89,022	96.77%	90,447	98.31%	1,551	1.69%
6	254	0.27%	8	0.01%	201	0.21%	88,891	95.05%	92,132	98.52%	1,388	1.48%
7	285	0.33%	18	0.02%	733	0.86%	76,871	90.16%	83,856	98.35%	1,405	1.65%
8	376	0.43%	16	0.02%	704	0.80%	18,689	21.21%	86,607	98.28%	1,512	1.72%
9	187	0.20%	17	0.02%	285	0.31%	9,487	10.26%	91,690	99.14%	798	0.86%
10	242	0.26%	26	0.03%	508	0.54%	20,144	21.39%	92,892	98.65%	1,270	1.35%
11	513	0.57%	33	0.04%	932	1.04%	24,664	27.59%	87,769	98.17%	1,638	1.83%
12	369	0.39%	21	0.02%	672	0.71%	27,763	29.41%	92,898	98.41%	1,498	1.59%
13	266	0.29%	29	0.03%	914	1.00%	10,946	12.01%	88,615	97.24%	2,519	2.76%
14	432	0.50%	16	0.02%	690	0.80%	16,455	19.04%	85,121	98.47%	1,323	1.53%
15	490	0.52%	26	0.03%	1,079	1.15%	14,585	15.60%	92,303	98.72%	1,193	1.28%

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Option 6, May 27th Version

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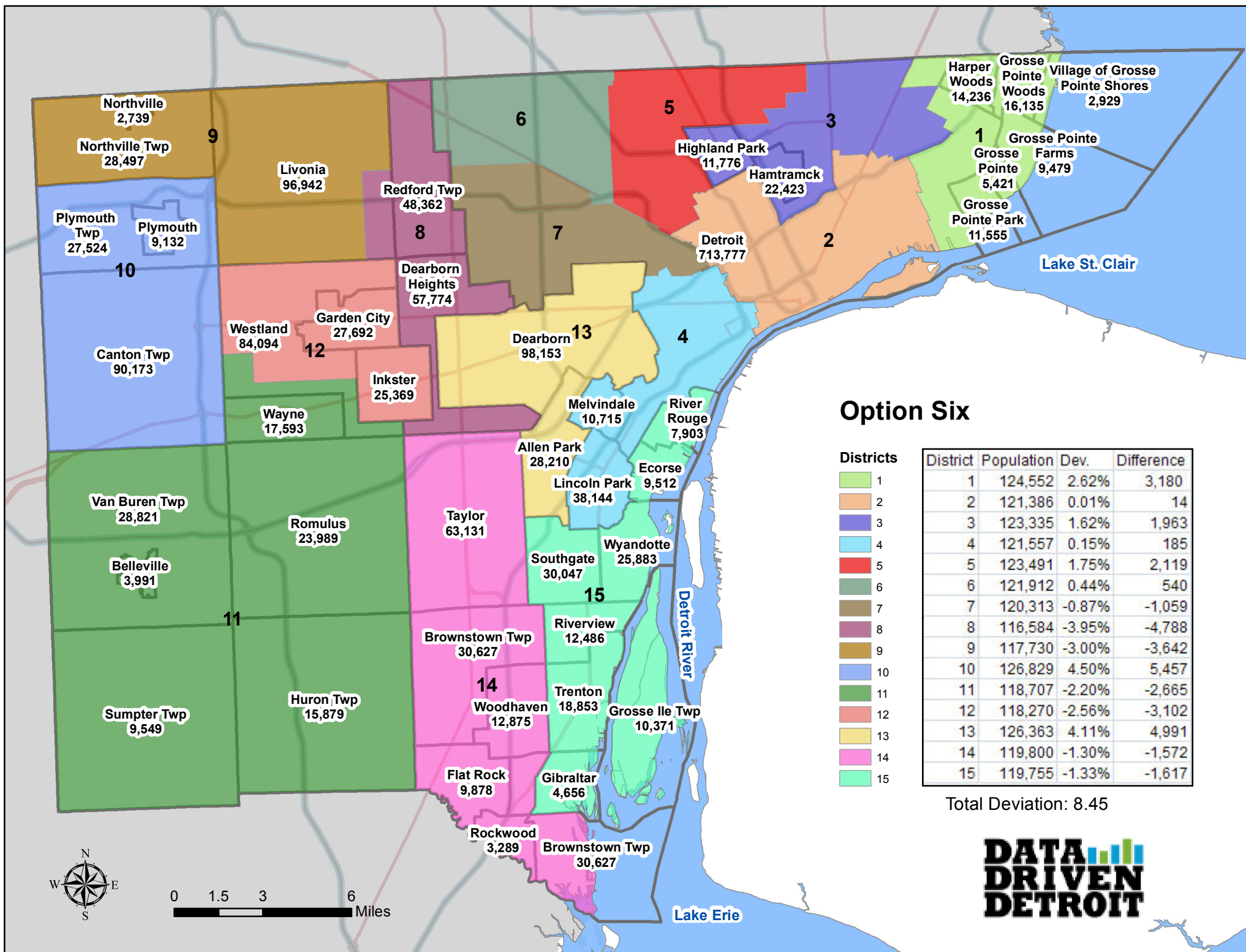
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Included in this Staff Plan:

- Planning Questions & Answers for Option 6
- Option 6 - Map
- Option 6 - Table 1: Total Populations, Deviation and Demographics by District
- Option 6 - Table 2: Total Populations and Demographics by District for Persons Over 18

Planning Questions & Answers

Question	Answer
How many districts?	15
Are they single member districts?	Yes
Did you use the 2010 Census figures?	Yes
Are the districts contiguous?	Yes
Are the districts compact?	All districts are compact as possible respecting population numbers and civil boundary lines.
Are the districts nearly square in shape as is practicable?	All districts are as square as possible respecting population numbers, civil boundary lines and the shoreline of the Detroit River.
Were the districts drawn for partisan political advantage?	No
What is the ideal population?	121,372 (1,820,584 Total Population / 15 Districts = 121,372)
What is the population for each district?	See Table 1
What is the total deviation for each district?	See Table 1
What is the total deviation?	8.45
How was it calculated?	The total population divergence or deviation is calculated by adding the percentage deviations from perfect equality of the districts with the highest deviations above and below perfect equality.
How is the plan different from the 2000/present plan?	The plan attempts to comply with redistricting principles by creating compact, contiguous and nearly square districts taking into effect the increase/decrease in population from 2010 census data. This was done to achieve maximum equality among the districts.
What effects does it have on incumbents?	The effect on incumbents was not considered.
How many townships/cities are split? Why	Three cities were split to balance population.
Which townships/cities are split? Why?	Detroit and Livonia, which are the same two communities split in the 2001 plan, and Westland is split to balance population. This was done to achieve maximum equality among the districts.
How many voting districts/precincts are split? Why?	None
Were any geographical features considered?	Yes. City and township boundaries, major streets and voting tabulation districts (precincts) in an attempt to make each district as compact, contiguous and square as possible while maintaining population standards.
What is the Hispanic population in each district?	See Table 1
What percent of each district's population is Hispanic?	See Table 1
What is the African-American Population in each district?	See Table 1
What percent of each district's population is African-American?	See Table 1
What is the Asian American Population in each district?	See Table 1
What percent of each district's population is Asian American?	See Table 1



Northville
2,739
Northville Twp
28,497

Livonia
96,942

Redford Twp
48,362

Highland Park
11,776

Hamtramck
22,423

Harper Woods
14,236

Grosse Pointe Woods
16,135

Village of Grosse Pointe Shores
2,929

Grosse Pointe Farms
9,479

Grosse Pointe
5,421

Grosse Pointe Park
11,555

Plymouth Twp
27,524
Plymouth
9,132

Detroit
713,777

Dearborn Heights
57,774

Westland
84,094

Garden City
27,692

Dearborn
98,153

Inkster
25,369

Melvindale
10,715

River Rouge
7,903

Wayne
17,593

Allen Park
28,210

Lincoln Park
38,144

Ecorse
9,512

Van Buren Twp
28,821

Romulus
23,989

Belleville
3,991

Taylor
63,131

Southgate
30,047

Wyandotte
25,883

Huron Twp
15,879

Brownstown Twp
30,627

Riverview
12,486

Trenton
18,853

Grosse Ile Twp
10,371

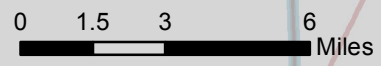
Sumpter Twp
9,549

Flat Rock
9,878

Gibraltar
4,656

Rockwood
3,289

Brownstown Twp
30,627



Lake Erie

Lake St. Clair

Table 1 : Total Populations, Deviation and Demographics by District

DISTRICT	Total Pop	Target Pop	Deviation	Difference	White Pop	White %	Black Pop	Black %	Hispanic Pop	Hispanic %	Asian Pop	Asian %	Minority Pop	Minority %
1	124,552	121,372	2.62%	3,180	53,707	43.12%	66,404	53.31%	1,804	1.45%	1,399	1.12%	71,834	57.67%
2	121,386	121,372	0.01%	14	11,567	9.53%	104,400	86.01%	1,869	1.54%	1,770	1.46%	110,464	91.00%
3	123,335	121,372	1.62%	1,963	19,050	15.45%	91,199	73.94%	1,259	1.02%	9,300	7.54%	104,662	84.86%
4	121,557	121,372	0.15%	185	72,141	59.35%	21,062	17.33%	47,766	39.30%	583	0.48%	71,369	58.71%
5	123,491	121,372	1.75%	2,119	3,593	2.91%	116,783	94.57%	1,114	0.90%	321	0.26%	120,047	97.21%
6	121,912	121,372	0.44%	540	4,735	3.88%	114,273	93.73%	993	0.81%	251	0.21%	117,333	96.24%
7	120,313	121,372	-0.87%	-1,059	12,109	10.06%	103,738	86.22%	3,162	2.63%	220	0.18%	109,219	90.78%
8	116,584	121,372	-3.95%	-4,788	91,128	78.17%	19,104	16.39%	4,449	3.82%	1,724	1.48%	2,8357	24.32%
9	117,730	121,372	-3.00%	-3,642	106,054	90.08%	3,822	3.25%	2,802	2.38%	5,407	4.59%	13,825	11.74%
10	126,829	121,372	4.50%	5,457	99,094	78.13%	9,916	7.82%	3,643	2.87%	13,900	10.96%	30,323	23.91%
11	118,707	121,372	-2.20%	-2,665	83,558	70.39%	27,784	23.41%	3,858	3.25%	1,851	1.56%	37,359	31.47%
12	118,270	121,372	-2.56%	-3,102	81,112	68.58%	29,909	25.29%	3,887	3.29%	2,855	2.41%	39,485	33.39%
13	126,363	121,372	4.11%	4,991	113,658	89.95%	4,569	3.62%	5,660	4.48%	1,934	1.53%	16,604	13.14%
14	119,800	121,372	-1.30%	-1,572	98,011	81.81%	13,787	11.51%	6,033	5.04%	3,122	2.61%	25,757	21.50%
15	119,755	121,372	-1.33%	-1,617	102,419	85.52%	11,193	9.35%	6,961	5.81%	1,278	1.07%	21,766	18.18%
Total	1,820,584				951,936		737,943		95,260		45,915		918,404	

Table 1 : Total Populations, Deviation and Demographics by District

DISTRICT	Total Pop	Target Pop	Deviation	Difference	Am.Indian & Nat .Alaskan Pop	Am.Indian & Nat .Alaskan %	Nat.Hawaii & Pac.Isle Pop	Nat.Hawaii & Pac.Isle %	Other Races Pop	Other Races %	Two+ Races Pop	Two+ Races %
1	124,552	121,372	2.62%	3,180	296	0.24%	19	0.02%	397	0.32%	2,330	1.87%
2	121,386	121,372	0.01%	14	452	0.37%	6	0.00%	532	0.44%	2,659	2.19%
3	123,335	121,372	1.62%	1,963	325	0.26%	18	0.01%	388	0.31%	3,055	2.48%
4	121,557	121,372	0.15%	185	1,125	0.93%	78	0.06%	21,459	17.65%	5,109	4.20%
5	123,491	121,372	1.75%	2,119	324	0.26%	14	0.01%	341	0.28%	2,115	1.71%
6	121,912	121,372	0.44%	540	312	0.26%	8	0.01%	293	0.24%	2,040	1.67%
7	120,313	121,372	-0.87%	-1,059	348	0.29%	19	0.02%	1,293	1.07%	2,586	2.15%
8	116,584	121,372	-3.95%	-4,788	496	0.43%	23	0.02%	1,049	0.90%	3,060	2.62%
9	117,730	121,372	-3.00%	-3,642	254	0.22%	20	0.02%	467	0.40%	1,706	1.45%
10	126,829	121,372	4.50%	5,457	322	0.25%	33	0.03%	778	0.61%	2,786	2.20%
11	118,707	121,372	-2.20%	-2,665	669	0.56%	36	0.03%	1,085	0.91%	3,724	3.14%
12	118,270	121,372	-2.56%	-3,102	457	0.39%	30	0.03%	983	0.83%	2,924	2.47%
13	126,363	121,372	4.11%	4,991	367	0.29%	41	0.03%	1,382	1.09%	4,412	3.49%
14	119,800	121,372	-1.30%	-1,572	584	0.49%	24	0.02%	1,441	1.20%	2,831	2.36%
15	119,755	121,372	-1.33%	-1,617	660	0.55%	35	0.03%	1,653	1.38%	2,517	2.10%
Total	1,820,584				6,991		404		33,541		43,854	

Table 2 : Total Populations and Demographics by District for Persons Over 18

DISTRICT	Total Pop	Total 18+ Pop	Total 18+ %	White 18+ Pop	White 18+ %	Black 18+ Pop	Black 18+ %	Hispanic 18+ Pop	Hispanic 18+ %	Asian 18+ Pop	Asian 18+ %
1	124,552	89,828	72.12%	42,271	47.06%	44,846	49.92%	1,118	1.24%	1,081	1.20%
2	121,386	97,289	80.15%	10,961	11.27%	81,923	84.21%	1,459	1.50%	1,674	1.72%
3	123,335	86,769	70.35%	14,381	16.57%	64,250	74.05%	897	1.03%	5,866	6.76%
4	121,557	85,419	70.27%	53,022	62.07%	15,443	18.08%	28,898	33.83%	448	0.52%
5	123,491	92,613	75.00%	3,279	3.54%	87,156	94.11%	749	0.81%	301	0.33%
6	121,912	91,030	74.67%	4,260	4.68%	84,814	93.17%	667	0.73%	211	0.23%
7	120,313	86,195	71.64%	9,508	11.03%	73,888	85.72%	1,949	2.26%	189	0.22%
8	116,584	88,119	75.58%	71,277	80.89%	12,915	14.66%	2,765	3.14%	1,319	1.50%
9	117,730	92,488	78.56%	84,452	91.31%	2,920	3.16%	1,816	1.96%	3,829	4.14%
10	126,829	94,162	74.24%	75,637	80.33%	6,858	7.28%	2,256	2.40%	9,621	10.22%
11	118,707	89,276	75.21%	65,381	73.23%	19,555	21.90%	2,367	2.65%	1,407	1.58%
12	118,270	91,198	77.11%	65,270	71.57%	21,189	23.23%	2,473	2.71%	2,244	2.46%
13	126,363	91,134	72.12%	82,753	90.80%	3,175	3.48%	3,688	4.05%	1,478	1.62%
14	119,800	89,773	74.94%	76,118	84.79%	8,680	9.67%	3,696	4.12%	2,266	2.52%
15	119,755	93,496	78.07%	81,737	87.42%	7,948	8.50%	4,335	4.64%	1,023	1.09%

Table 2, Continued : Total Populations and Demographics by District for Persons Over 18

DISTRICT	Am. Indian & Nat. Alaskan 18+ Pop	Am. Indian & Nat. Alaskan 18+ %	Nat. Hawaii & Pac. Isle 18+ Pop	Nat. Hawaii & Pac. Isle 18+ %	Other Races 18+ Pop	Other Races 18+ %	Minority 18+ Pop	Minority 18+ %	One Race 18+ Pop	One Race 18+ %	Two+ Races 18+ Pop	Two+ Races 18+ %
1	215	0.24%	15	0.02%	225	0.25%	48,205	53.66%	88,653	98.69%	1,175	1.31%
2	380	0.39%	6	0.01%	442	0.45%	86,875	89.30%	95,386	98.04%	1,903	1.96%
3	233	0.27%	17	0.02%	250	0.29%	72,697	83.78%	84,997	97.96%	1,772	2.04%
4	814	0.95%	49	0.06%	13,005	15.22%	45,868	53.70%	82,781	96.91%	2,638	3.09%
5	249	0.27%	11	0.01%	222	0.24%	89,452	96.59%	91,218	98.49%	1,395	1.51%
6	245	0.27%	8	0.01%	194	0.21%	86,877	95.44%	89,732	98.57%	1,298	1.43%
7	275	0.32%	17	0.02%	799	0.93%	77,338	89.72%	84,676	98.24%	1,519	1.76%
8	376	0.43%	16	0.02%	704	0.80%	18,689	21.21%	86,607	98.28%	1,512	1.72%
9	187	0.20%	17	0.02%	285	0.31%	9,487	10.26%	91,690	99.14%	798	0.86%
10	242	0.26%	26	0.03%	508	0.54%	20,144	21.39%	92,892	98.65%	1,270	1.35%
11	500	0.56%	29	0.03%	686	0.77%	25,307	28.35%	87,558	98.08%	1,718	1.92%
12	361	0.40%	21	0.02%	658	0.72%	27,464	30.11%	89,743	98.40%	1,455	1.60%
13	266	0.29%	29	0.03%	914	1.00%	10,946	12.01%	88,615	97.24%	2,519	2.76%
14	453	0.50%	20	0.02%	950	1.06%	16,111	17.95%	88,487	98.57%	1,286	1.43%
15	490	0.52%	26	0.03%	1,079	1.15%	14,585	15.60%	92,303	98.72%	1,193	1.28%