

Wayne County Apportionment Commission

Option 6

May 31st, 2011

Presented by :

DATA DRIVEN DETROIT 

163 Madison St. Detroit MI

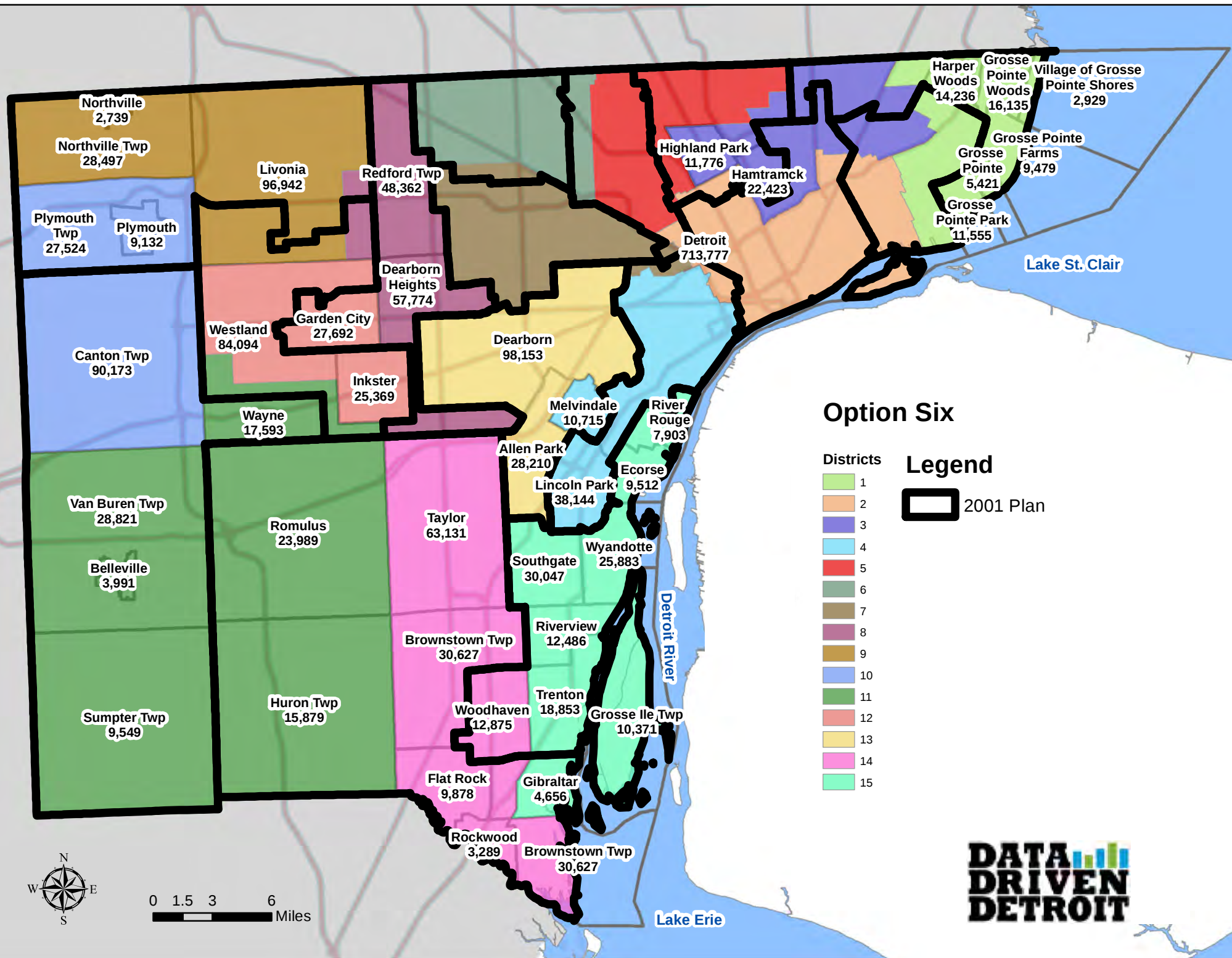
www.datadrivendetroit.org

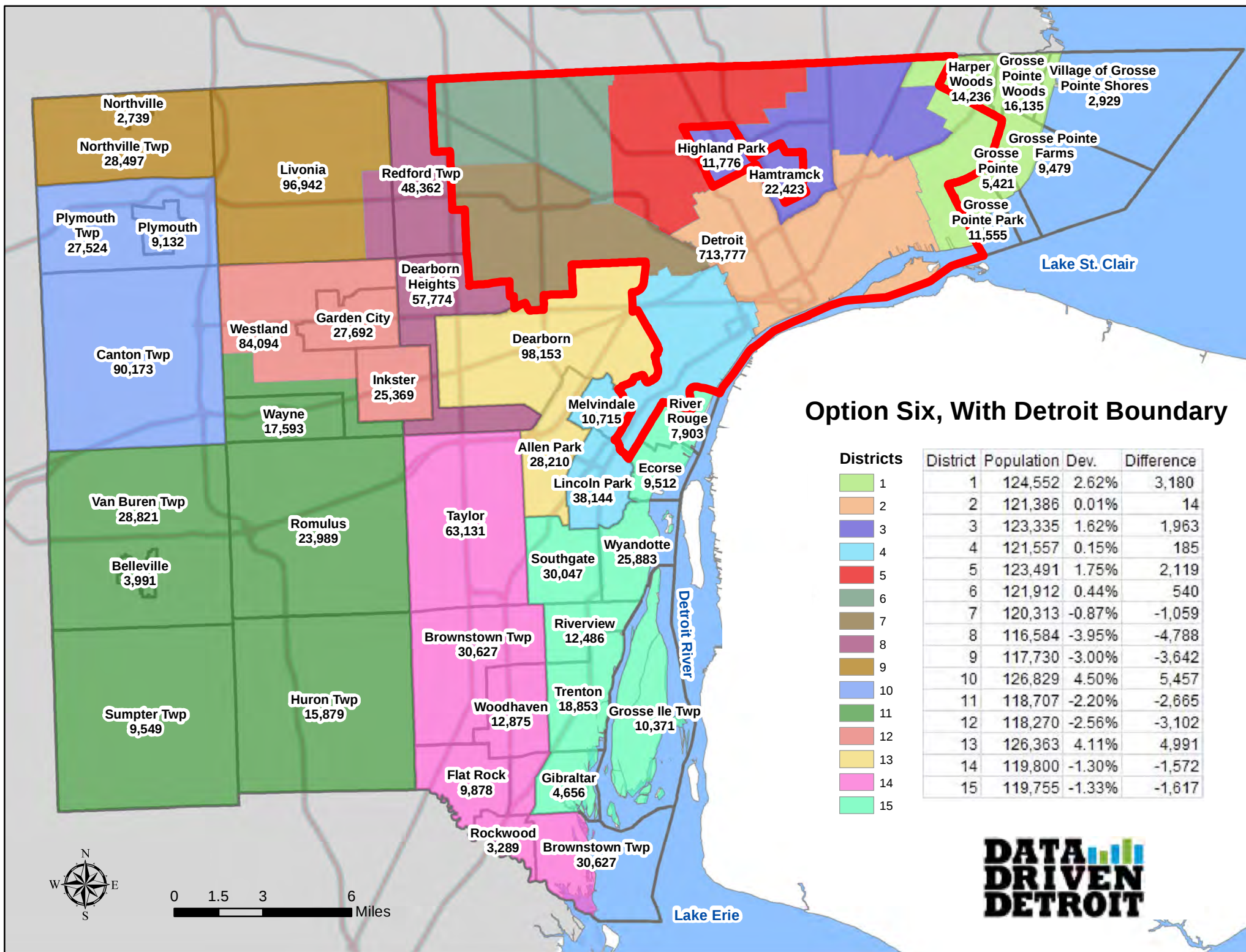
Included in this Staff Plan:

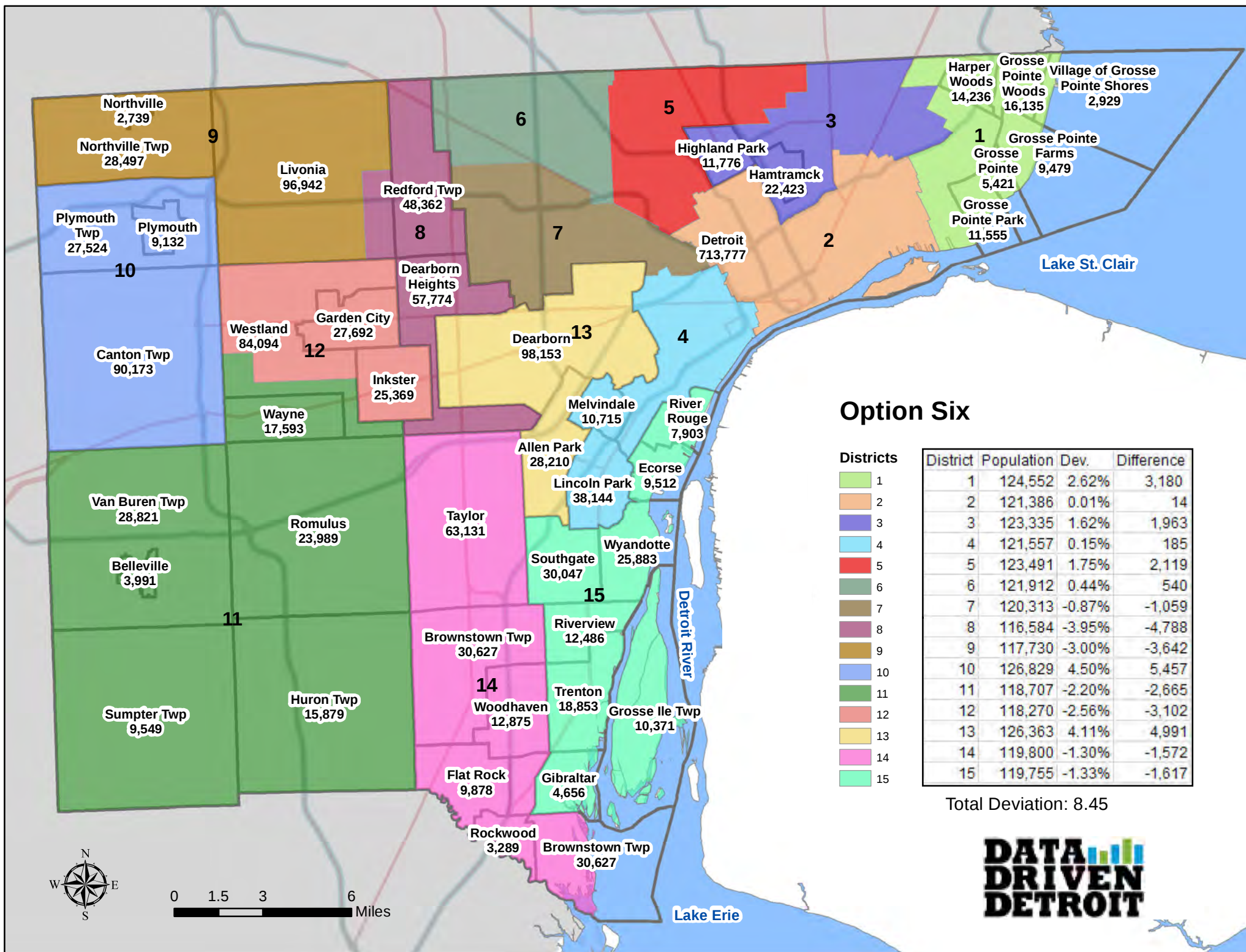
- Planning Questions & Answers for Option 6
- Option 6 – Overall Plan Map and with Plan 2001 District Map overlay
- Option 6 – Overall Plan Map and with Detroit Municipal Boundary highlighted
- Option 6 - Overall Plan Map
- Option 6 - Table 1: Total Populations, Deviation and Demographics by District
- Option 6 - Table 2: Total Populations and Demographics by District for Persons Over 18
- Option 6 – Compactness Report
- Option 6 – District Maps 1 Through 15

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

Detroit
713,777

Plymouth Twp
27,524

Plymouth
9,132

Canton Twp
90,173

Westland
84,094

Garden City
27,692

Dearborn Heights
57,774

Dearborn
98,153

Wayne
17,593

Inkster
25,369

Melvindale
10,715

River Rouge
7,903

Allen Park
28,210

Lincoln Park
38,144

Ecorse
9,512

Southgate
30,047

Wyandotte
25,883

Van Buren Twp
28,821

Belleville
3,991

Romulus
23,989

Taylor
63,131

Riverview
12,486

Brownstown Twp
30,627

Trenton
18,853

Grosse Ile Twp
10,371

Sumpter Twp
9,549

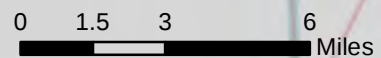
Huron Twp
15,879

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%

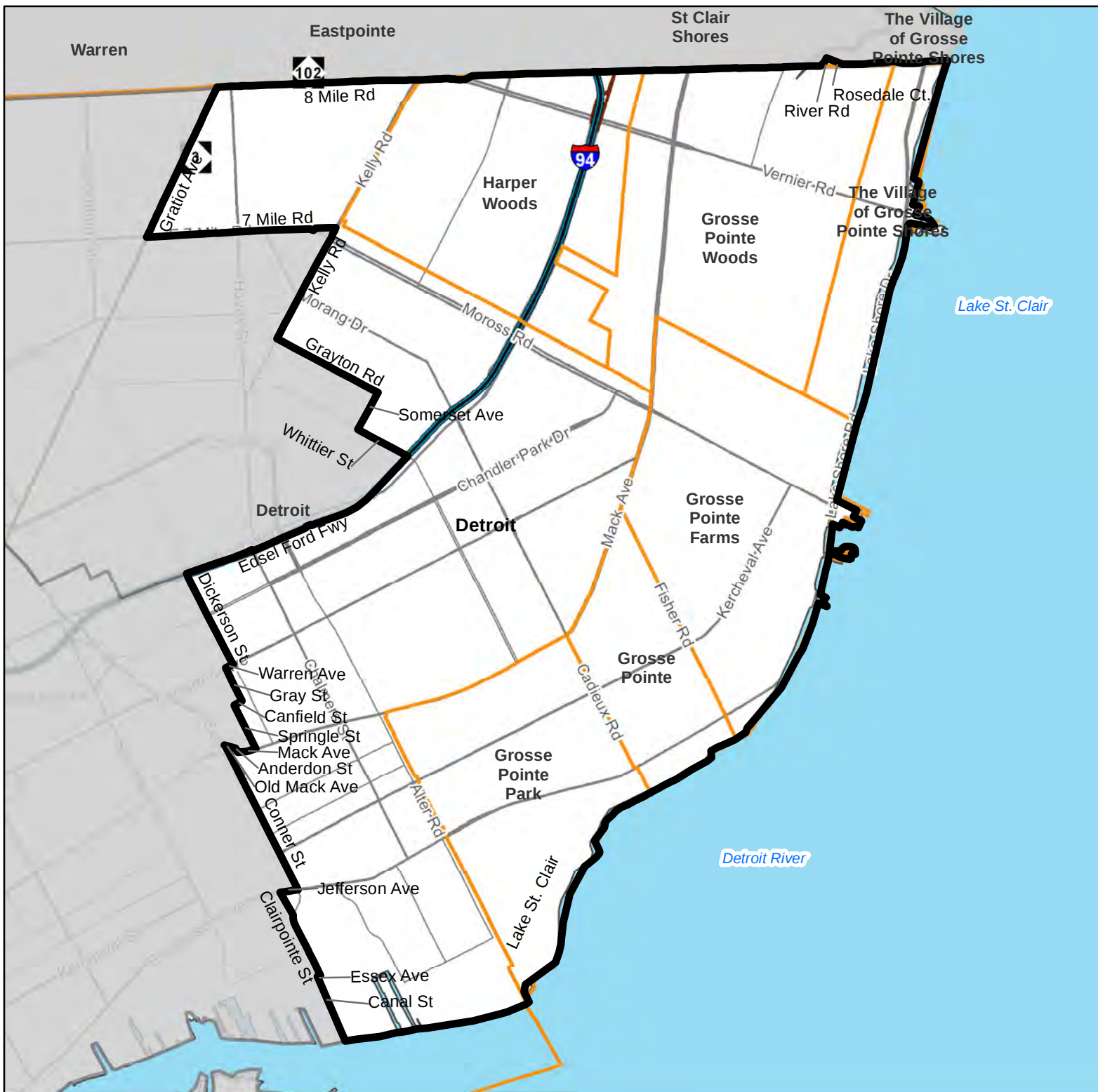
Measures of Compactness

5/27/2011
 10:58:07PM

District	Roeck	Polsby-Popper	Area	Perimeter
1	0.32	0.41	22.7	24.8
2	0.22	0.20	30.4	40.6
3	0.18	0.30	23.9	29.1
4	0.20	0.27	23.8	32.2
5	0.24	0.38	21.5	24.6
6	0.26	0.54	19.7	19.9
7	0.17	0.36	23.7	26.4
8	0.16	0.18	26.0	41.2
9	0.21	0.43	50.5	34.6
10	0.42	0.78	54.4	29.4
11	0.41	0.67	157.3	53.4
12	0.26	0.53	27.8	24.2
13	0.32	0.31	31.5	34.4
14	0.21	0.35	62.1	49.0
15	0.17	0.09	43.0	80.0

Report Summary

Total Perimeter for all Districts	2,174.94	Miles	Average	36.25	Miles
Total Area for all Districts	2,473.10	Square Miles	Average	41.22	Square Miles
Minimum Compactness based on Roeck	0.16				
Maximum Compactness based on Roeck	0.42	Roeck	Average	0.26	Std. Dev. 0.09
Minimum Compactness based on Polsby-Popper	0.09				
Maximum Compactness based on Polsby-Popper	0.78	Polsby-Popper	Average	0.36	Std. Dev. 0.17

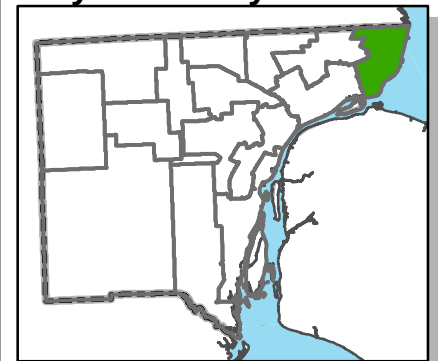


Wayne County Apportionment Commission Option 6, District 1.

Legend

- District 1
- Wayne County Municipal Boundaries

Wayne County



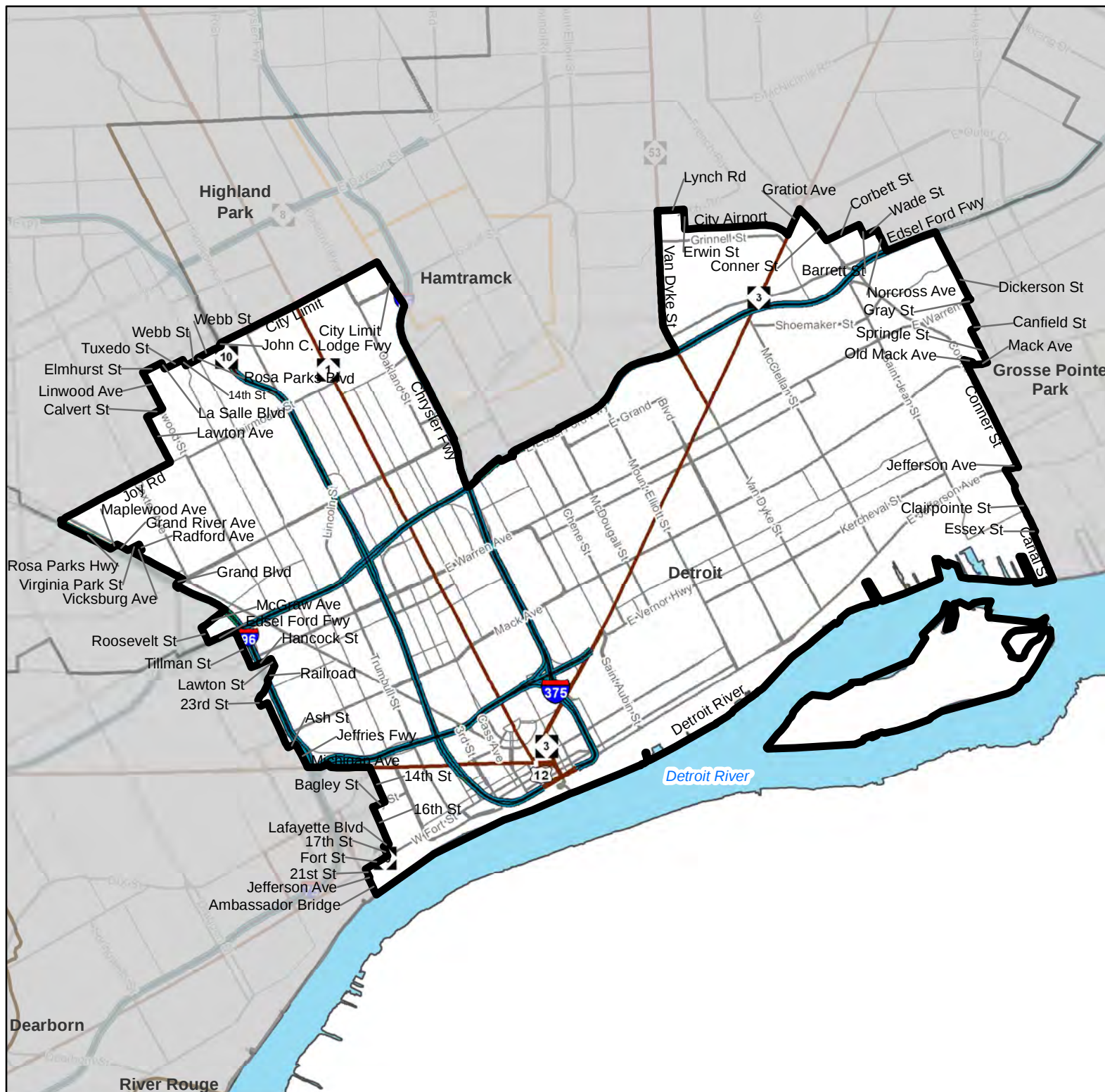
DATA
DRIVEN
DETROIT

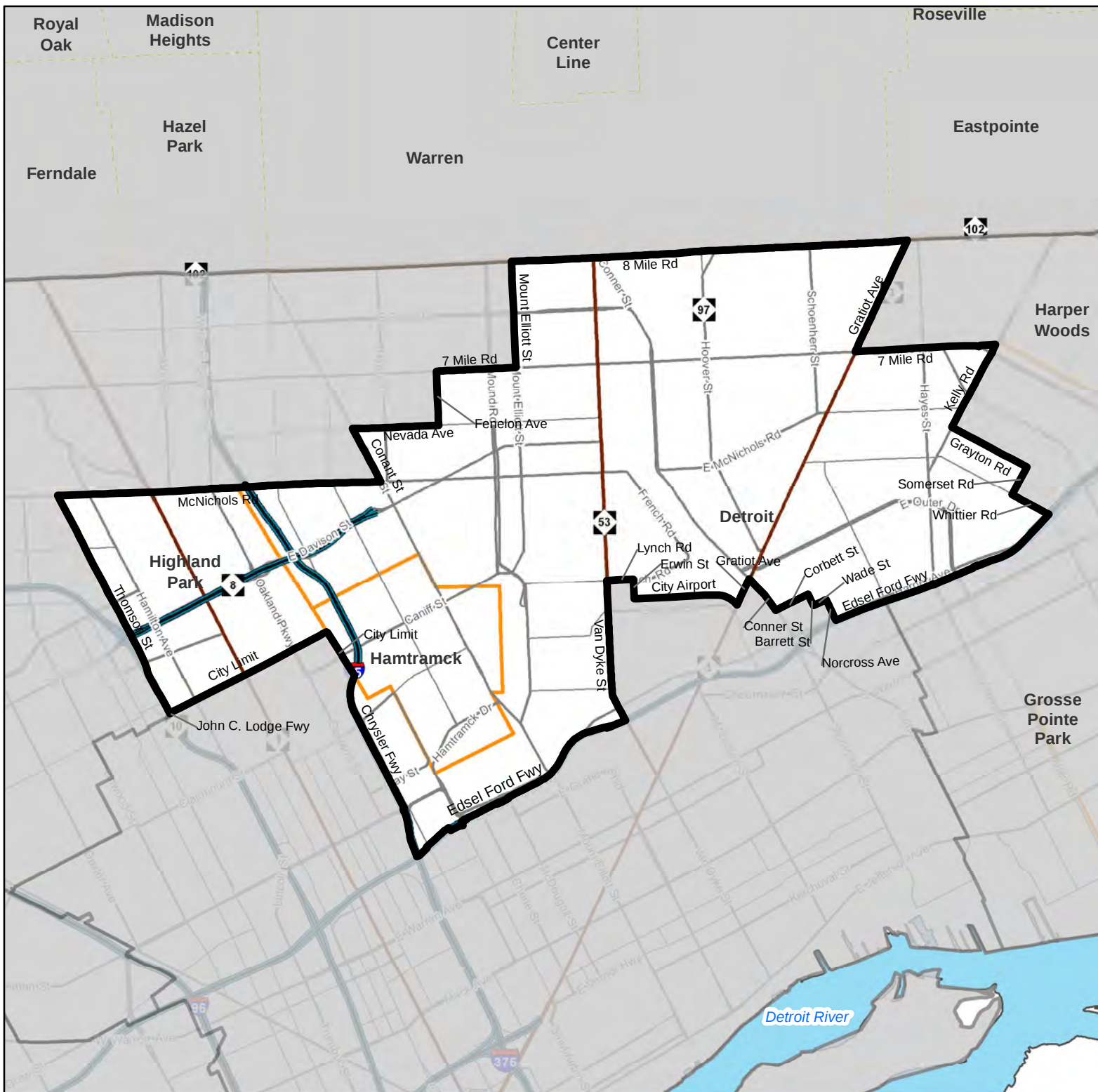
0 0.3 0.6 1.2 Miles

Source: US Census, 5/31/11



Source: US Census, 5/31/11



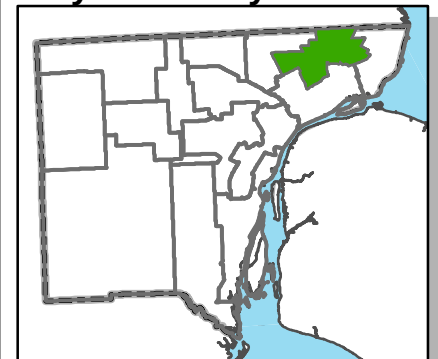


Wayne County Apportionment Commission Option 6, District 3.

Legend

-  District 3
-  Wayne County Municipal Boundaries

Wayne County



**DATA
DRIVEN
DETROIT**

0 0.3750.75 1.5 Miles
Source: US Census, 5/31/11



Wayne County Apportionment Commission Option 6, District 4.

Legend

-  District 4
-  Wayne County Municipal Boundaries

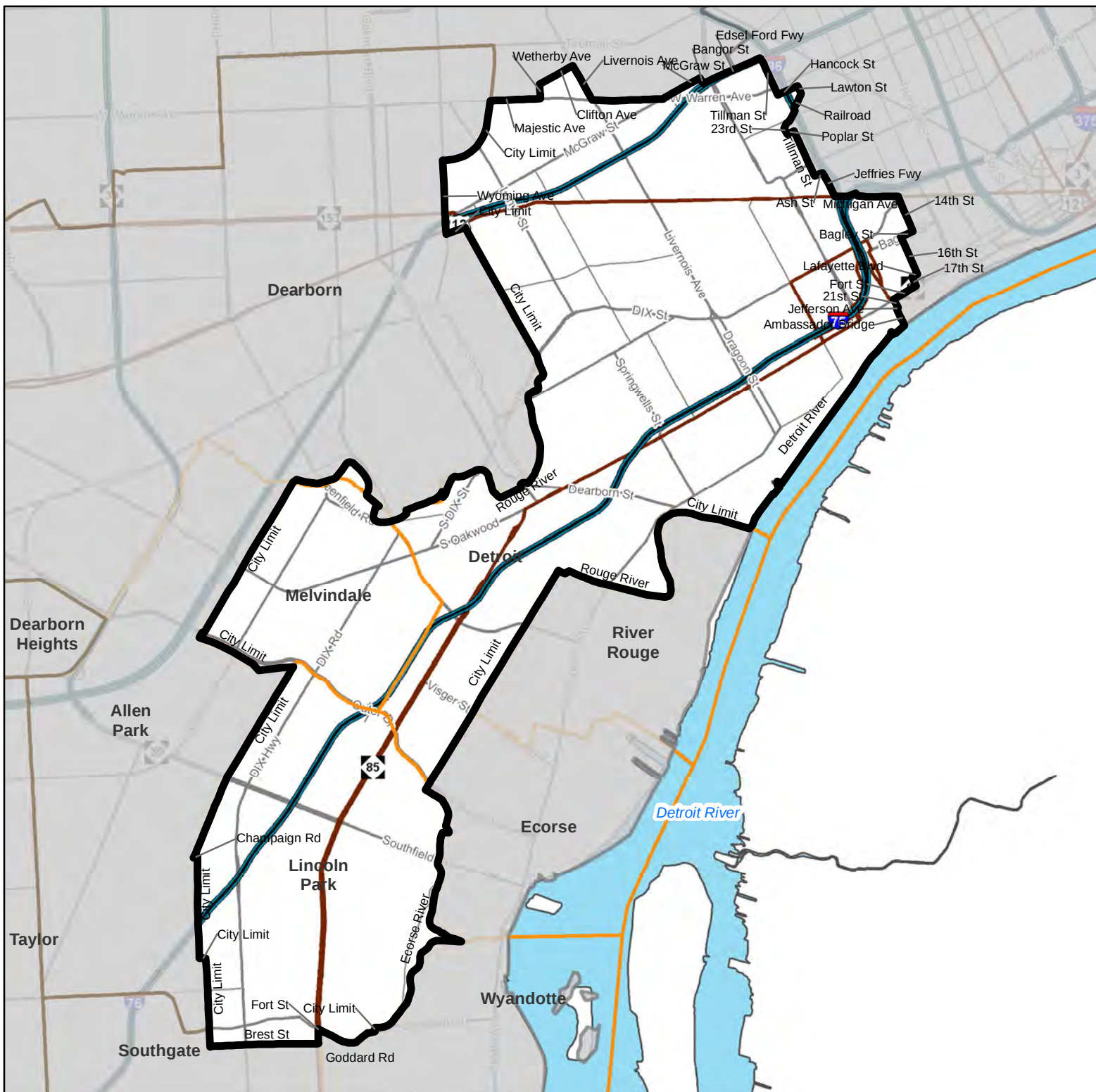
Wayne County

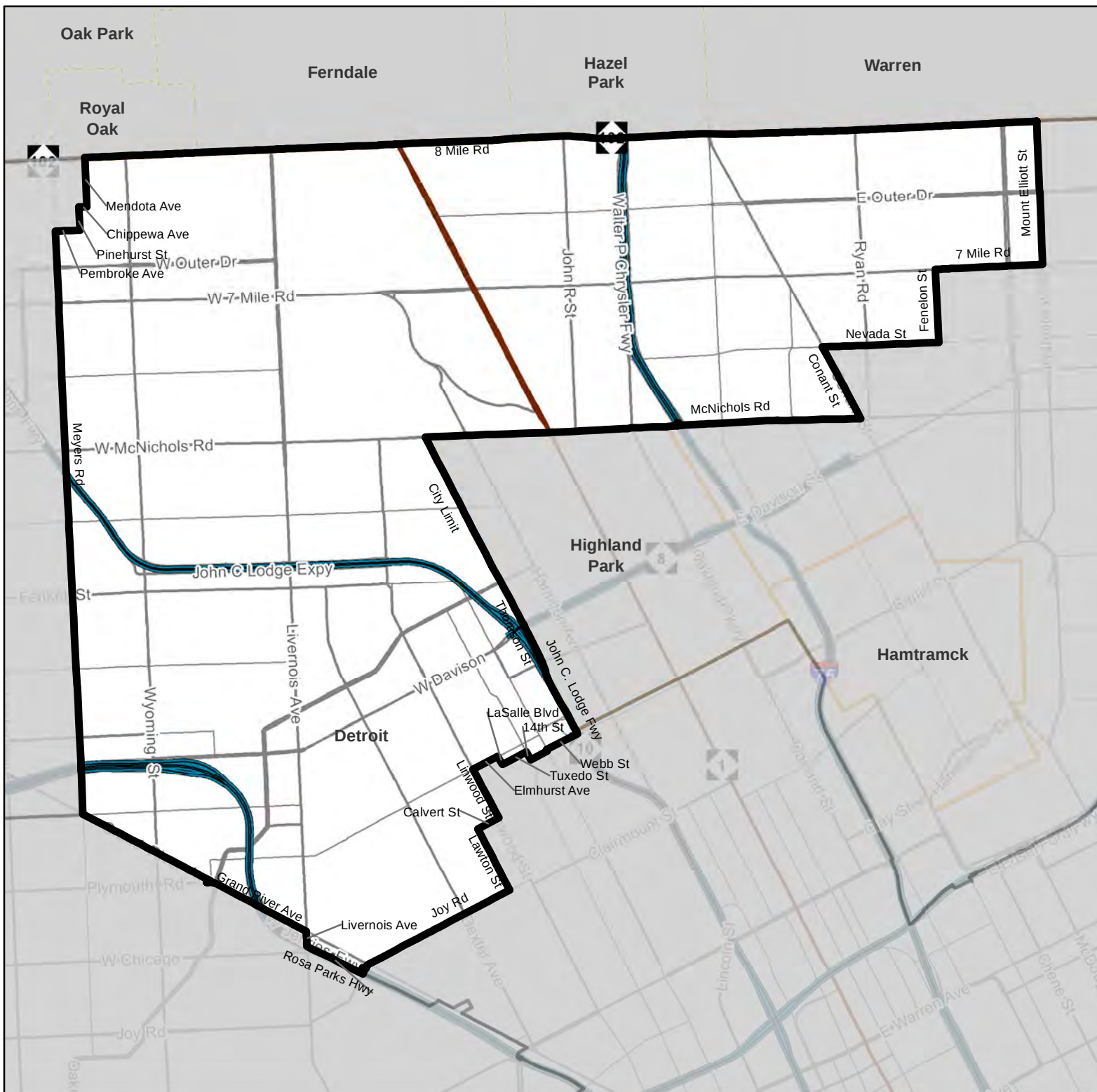


**DATA
DRIVEN
DETROIT**

0 0.3750.75 1.5
Miles

Source: US Census, 5/31/11



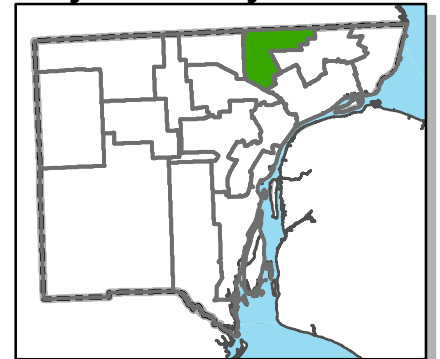


Wayne County Apportionment Commission Option 6, District 5.

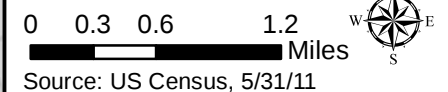
Legend

-  District 5
-  Wayne County Municipal Boundaries

Wayne County



DATA
DRIVEN
DETROIT



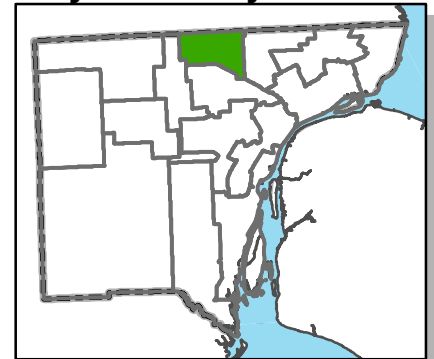
Source: US Census, 5/31/11

Wayne County Apportionment Commission Option 6, District 6.

Legend

-  District 6
-  Wayne County Municipal Boundaries

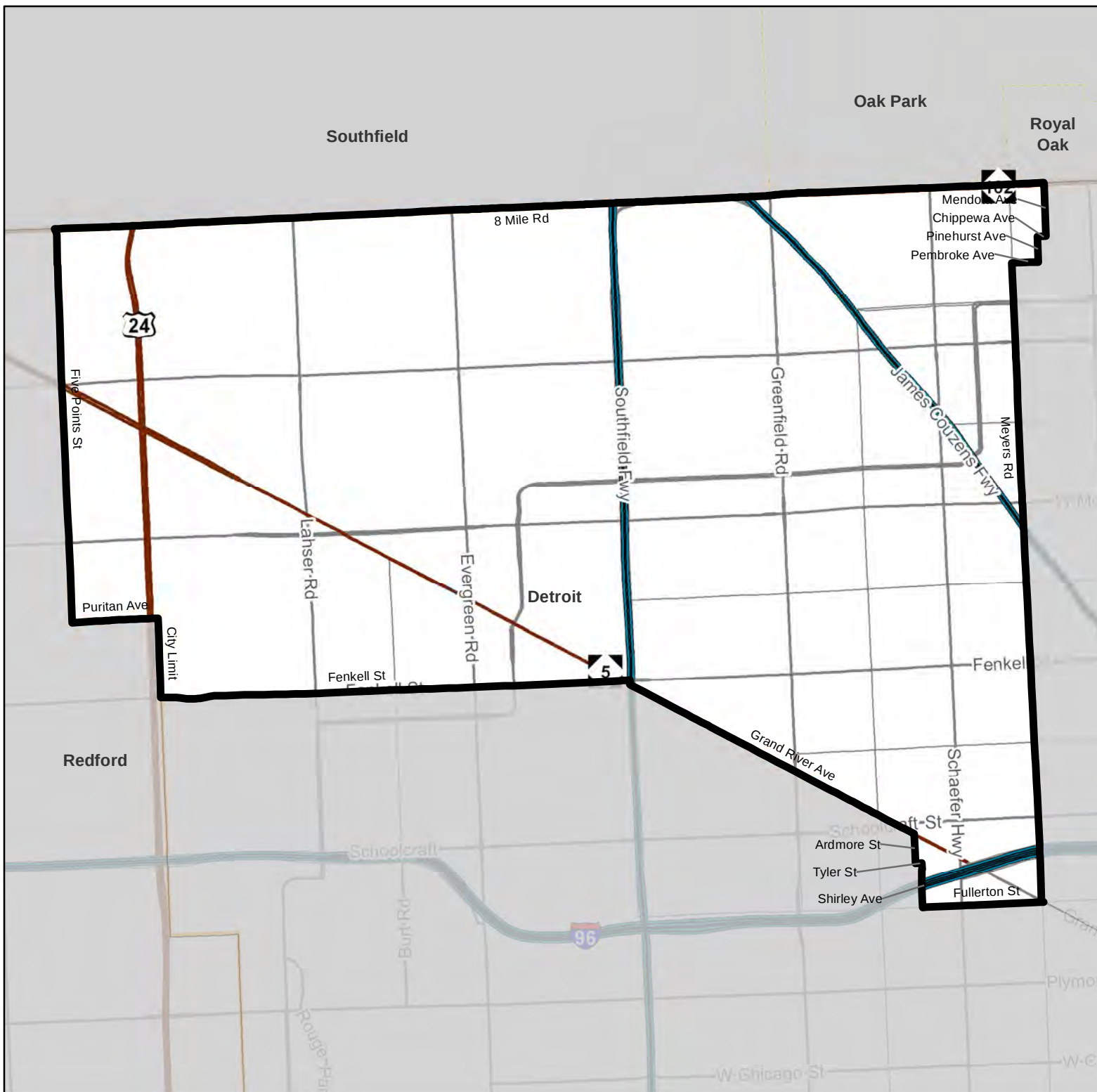
Wayne County



**DATA
DRIVEN
DETROIT**

0 0.25 0.5 1 Miles

Source: US Census, 5/31/11

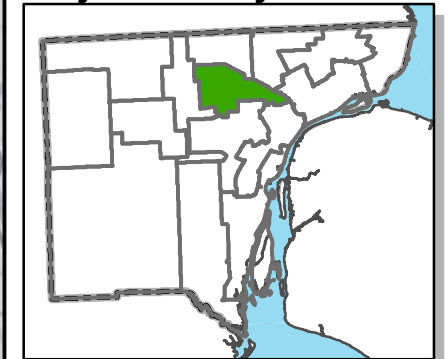


Wayne County Apportionment Commission Option 6, District 7.

Legend

-  District 7
-  Wayne County Municipal Boundaries

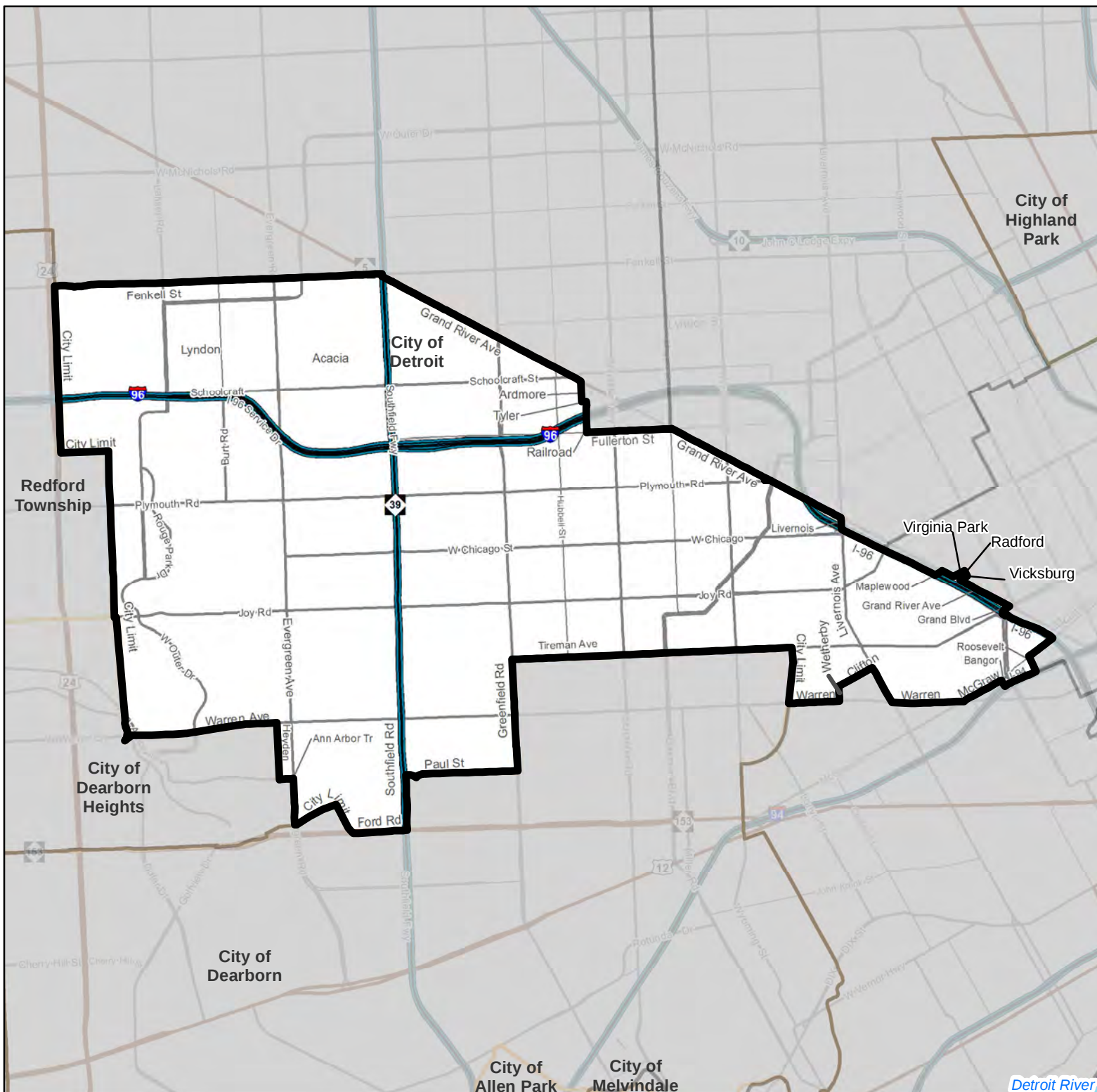
Wayne County

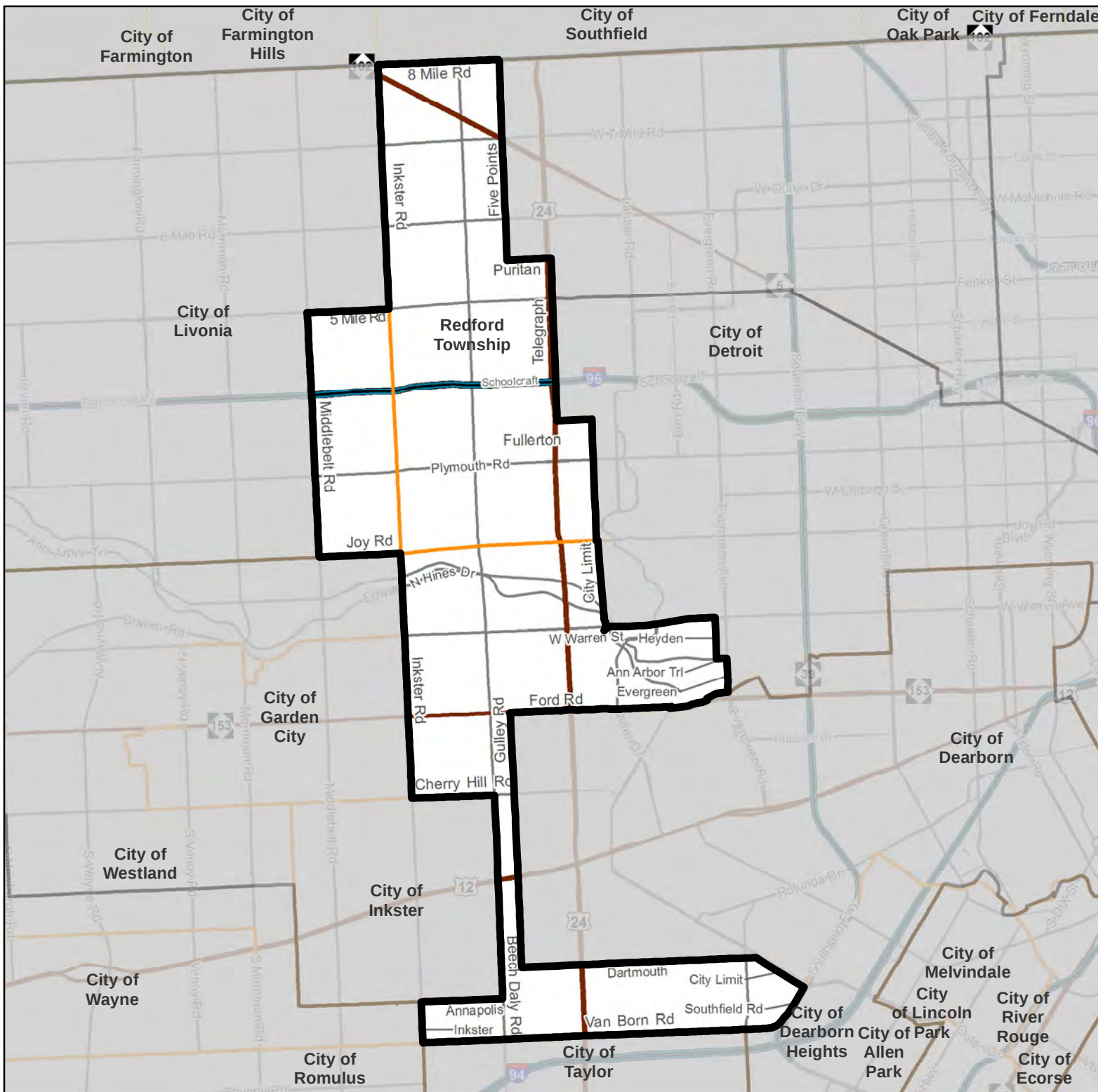


**DATA
DRIVEN
DETROIT**

0 0.3750.75 1.5
Miles

Source: US Census, 5/31/11



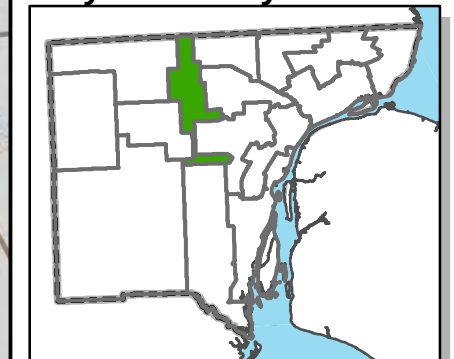


Wayne County Apportionment Commission Option 6, District 8.

Legend

-  District 8
-  Wayne County Municipal Boundaries

Wayne County

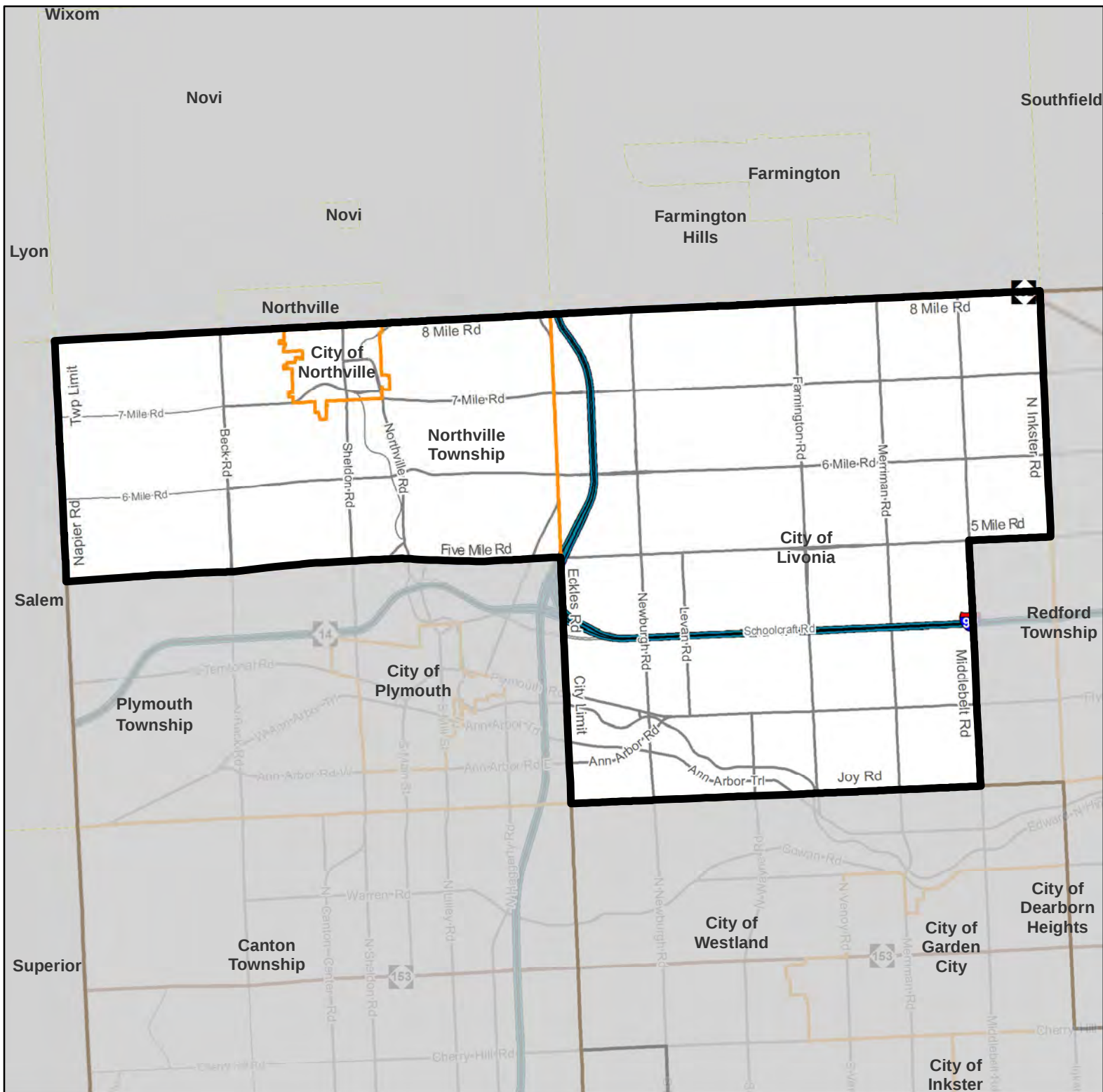


**DATA
DRIVEN
DETROIT**

0 0.5 1 2 Miles

Source: US Census, 5/31/11



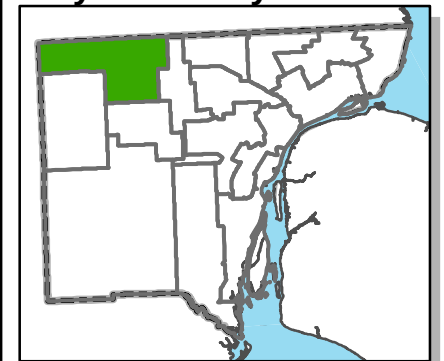


Wayne County Apportionment Commission Option 6, District 9.

Legend

- District 9
- Wayne County Municipal Boundaries

Wayne County

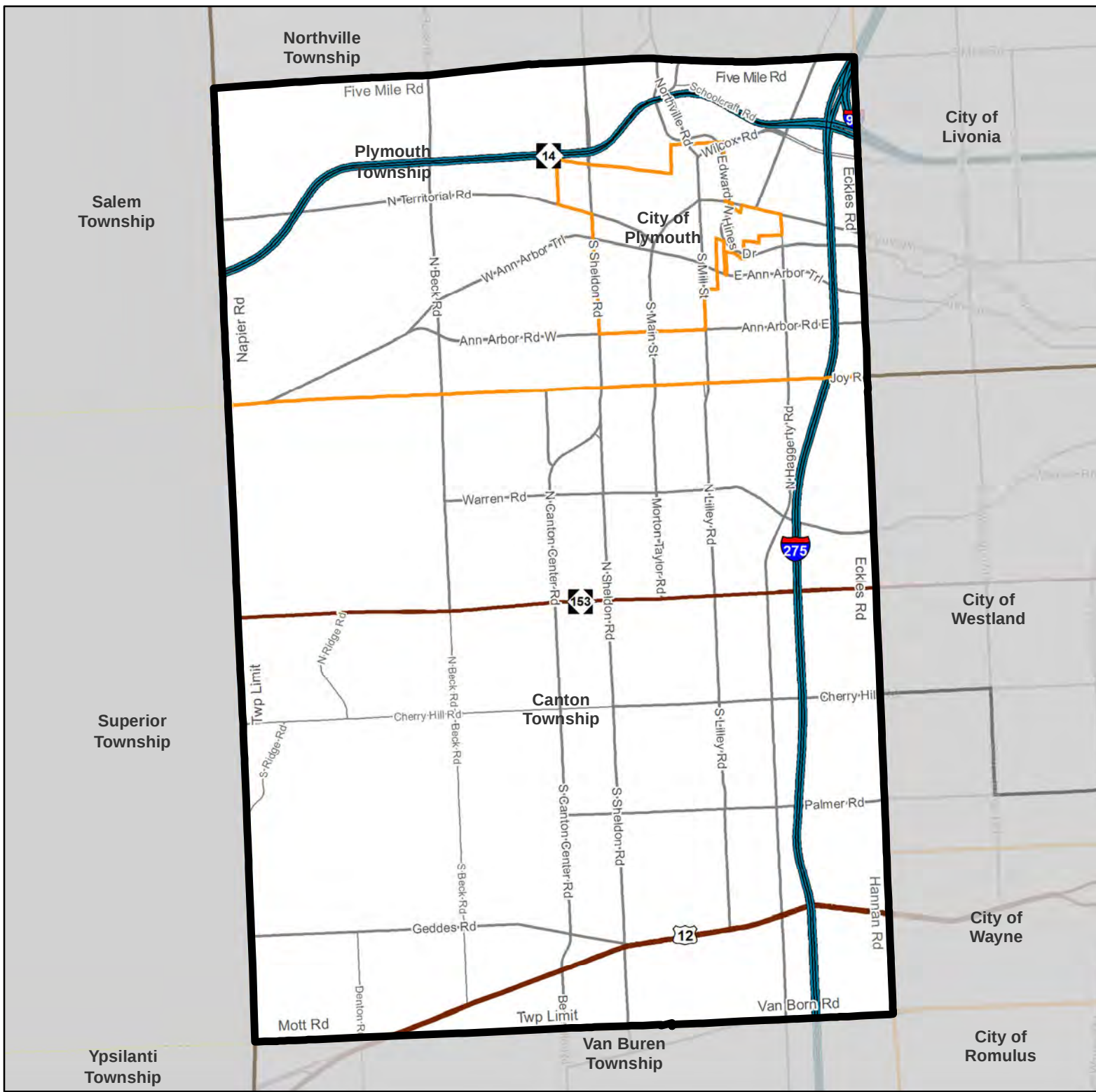


**DATA
DRIVEN
DETROIT**

0 0.5 1 2 Miles

Source: US Census, 5/31/11



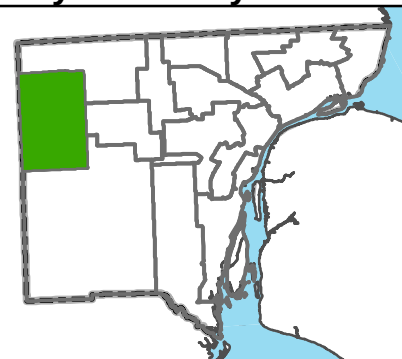


Wayne County Apportionment Commission Option 6, District 10.

Legend

-  District 10
-  Wayne County Municipal Boundaries

Wayne County





0 0.4 0.8 1.6 Miles

Source: US Census, 5/31/11



Legend

 District 11

 Wayne County Municipal Boundaries

 District 11

 Wayne County Municipal Boundaries

A map of Maryland with its county boundaries outlined. The westernmost county, Garrett, is highlighted in green, indicating the location of the study area. The map also shows the state's borders with Pennsylvania to the west and Delaware to the south, and the Chesapeake Bay and Atlantic Ocean to the east.

0 0.5 1 2 Miles
Source: US Census, 5/31/11

Plymouth
Township

City of
Livonia

Redford
Township

Wayne County Apportionment Commission Option 6, District 12.

Legend

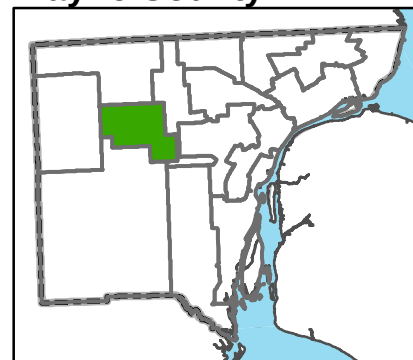
-  District 12
-  Wayne County Municipal Boundaries

Canton
Township

City of
Dearborn
Heights

City of
Garden
City

Wayne County



Van Buren
Township

City of
Wayne

City of
Inkster

City of
Dearborn

City of
Westland

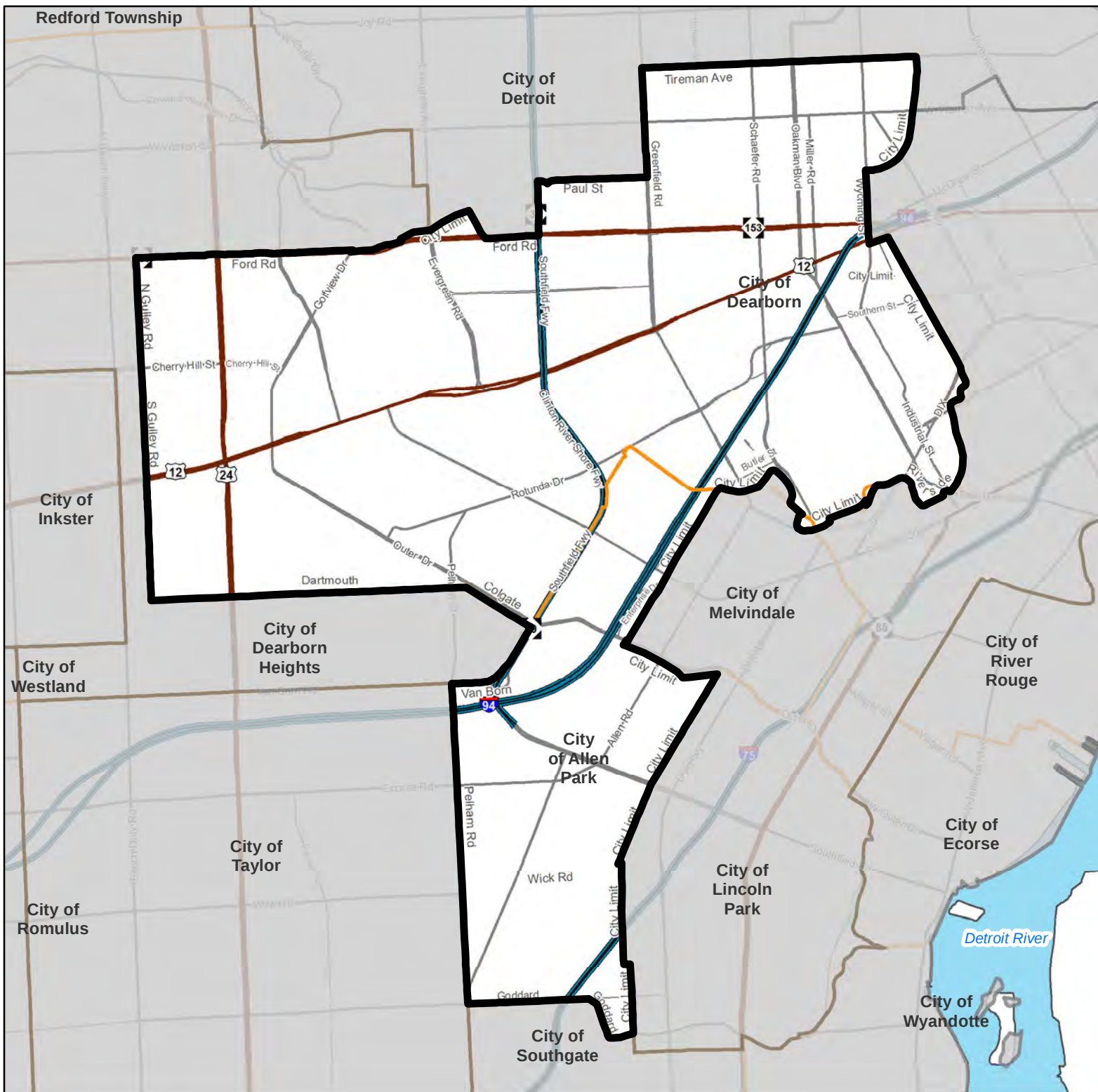
City of
Romulus

City of
Taylor

DATA
DRIVEN
DETROIT

0 0.3 0.6 1.2
Miles
Source: US Census, 5/31/11





Wayne County Apportionment Commission Option 6, District 13.

Legend

- District 13
- Wayne County Municipal Boundaries

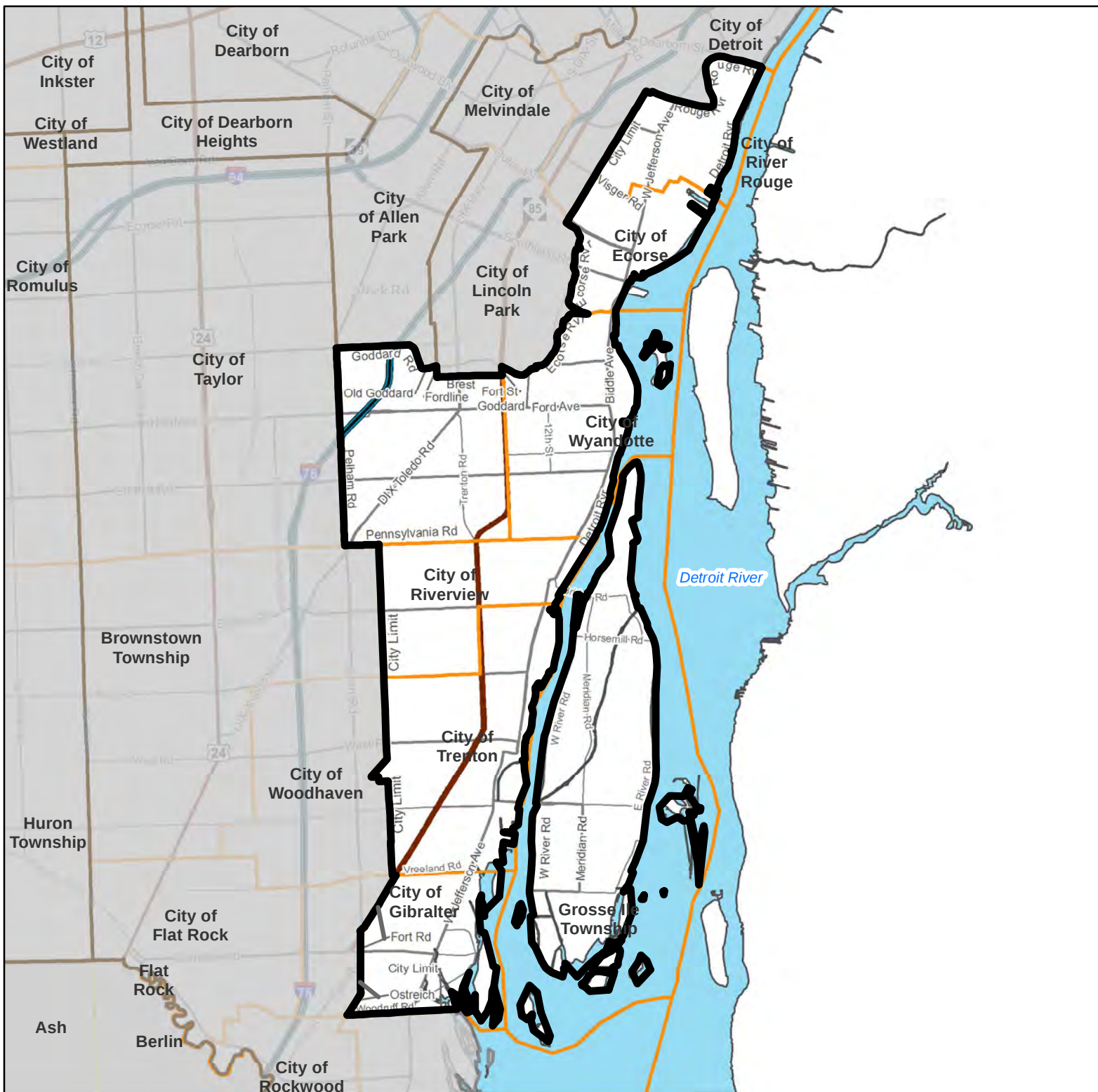
Wayne County



DATA
DRIVEN
DETROIT

0 0.3750.75 1.5 Miles
Source: US Census, 5/31/11



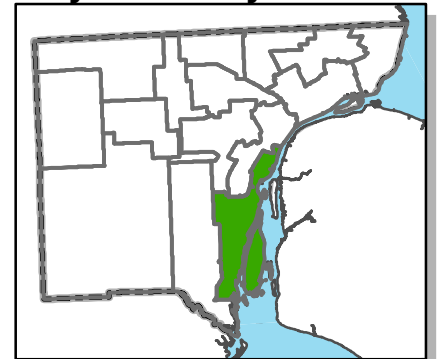


Wayne County Apportionment Commission Option 6, District 15.

Legend

- District 15
- Wayne County Municipal Boundaries

Wayne County



**DATA
DRIVEN
DETROIT**

0 0.5 1 2 Miles
Source: US Census, 5/31/11

