Verification Data Report

2010 Census

Reapportionment of Oakland County Board of Commissioners

Plan Name: GOP

Prepared by: Michael Gingell

Submission Date: 04/04/2012

Validation Date: 04/05/2012

Validated By: Plat Engineering Department

Validated Yes/No   Yes

1. **Run "Population Summary Report (Legal)".**
   a. All districts shall be single-member districts and be as nearly of equal population as is practicable.

Number Districts	Median Population	Low Populated	Dist #	Deviation	High Populated	Dist #	Deviation	Total Deviation
21	57,255	54,899	21	-4.1	59,776	1	4.4	8.5

2. **Run "Check Plan Errors" report.**
   a. This Verify Plan tool allows you to check your current plan for errors in contiguity, unassigned, areas, and split features.
      i. Number of dis-contiguous Districts   0
      ii. Number of unassigned Precincts   0
   b. *Validation.*
      i. *Number of dis-contiguous Districts   0*
      ii. *Number of unassigned Precincts   0*

Dis-contiguous Districts

District	Dis-contiguous Yes/No	Precincts involved
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

No Dis-contiguous Districts

Unassigned Precincts

Precinct #	CVT Location	Adjacent Districts	Comments

No Unassigned Precincts

3. **Run "Identify Splits" report, then "Split Geography" and "Split Geography by Geography" reports.**
   a. This Identify Splits tool allows you to create a layer identifying the census data (precincts) which are split by the current District configuration. *(Precincts shall be divided only if necessary to meet the population standard).*
      i. Number of split Precincts   Old __5__ New__3__   Waterford __8__
   b. *Validation.*
      i. *Number of split Precincts New + Waterford   __11__*

Split Precincts			
Precinct #	**CVT Location**	**Adjacent Districts**	**Comments**
27	City of Troy	16 / 20	Precincts were redefined/No splits within new precincts
1	City Royal Oak	19 / 20	Precincts were redefined/No splits within new precincts
5	City Royal Oak	19 / 20	Precincts were redefined/No splits within new precincts
6	City Royal Oak	19 / 20	Precincts were redefined/No splits within new precincts
10	City Royal Oak	19 / 20	Precincts were redefined/No splits within new precincts
22	City Royal Oak	16 / 19	Split within new precinct
2	City Oak Park	17 / 18	Split within new precinct
8	City Oak Park	17 / 18	Split within new precinct
3	Waterford	4 / 6	Waterford written and maps does not match/in question
5	Waterford	4 / 6	Waterford written and maps does not match/in question
12	Waterford	4 / 6	Waterford written and maps does not match/in question
14	Waterford	4 / 6	Waterford written and maps does not match/in question
18	Waterford	5 / 6	Waterford written and maps does not match/in question
20	Waterford	5 / 6	Waterford written and maps does not match/in question
23	Waterford	5 / 6	Waterford written and maps does not match/in question
24	Waterford	5 / 6	Waterford written and maps does not match/in question

4. <u>Run "Compactness Analysis" and "Compact Analysis (Legal)" reports.</u>

    a. All districts shall be as compact and of as nearly square as is practicable, depending on the geography of the county area involved.

        i. Yes   ____   (This Process is up to Judicial Interpretation)

        ii. No   ____

    b. *<u>Validation</u>*

        i. Yes   ____

        ii. No   ____

    c. Before running any of the above reports; in **Analysis Tools** select and run **Compactness Analysis** function. (Make sure all districts are checked, and all defined measures are checked. Leave User Defined unchecked.)

Compactness Analysis

District	Polsby Method		Scwartzberg		Roeck-Ehrenberg		Compact
	Value	As a %	Value	As a %	Value	As a %	Yes/No
1	.45	44.6	.83	82.6	.30	29.8	
2	.65	64.9	.90	90.5	.35	34.8	
3	.47	46.5	.80	79.7	.22	21.8	
4	.36	36.0	.86	86.3	.28	28.0	
5	.44	44.0	.85	85.2	.38	38.1	
6	.36	36.3	.90	89.7	.24	24.0	
7	.47	47.1	.87	86.7	.26	26.3	
8	.58	58.1	.89	88.8	.44	44.1	
9	.64	64.0	.93	92.5	.36	35.5	
10	.48	47.6	.84	83.9	.37	37.5	
11	.40	40.0	.76	75.8	.23	22.6	
12	.48	47.5	.84	83.8	.28	28.3	
13	.31	30.5	.66	65.6	.18	17.6	
14	.21	21.3	.65	64.6	.11	10.6	
15	.57	57.2	.91	91.1	.32	32.3	
16	.27	26.7	.75	75.4	.29	28.7	
17	.38	37.8	.74	74.0	.24	24.2	
18	.32	31.8	.77	71.1	.18	18.2	
19	.54	53.9	.86	86.1	.31	30.7	
20	.30	29.9	.66	65.9	.27	26.7	
21	.43	42.5	.87	87.3	.25	24.8	
High	.65	64.9	.93	92.5	.44	44.1	
Low	.21	21.3	.65	64.6	.11	10.6	
Average	.43	43.25	.82	81.27	.28	27.84	

5. **Print Map and Identify District Township and City Distribution.**
   a. No township or part thereof shall be combined with any city of part thereof, for a single district, unless such combination is needed to meet the population standard.
      i. Number of districts with combined townships and cities __10__
   b. *Validation.*
      i. *Number of districts with combined townships and cities* __10__

District CVT Assignment					
District	Complete Townships	Partial Townships	Complete Cities	Partial Cities	Township/City Combination
1	1	1	2	0	Y
2	5	0	0	0	N
3	4	0	0	0	N
4	0	2	1	0	Y
5	0	2	3	0	Y
6	1	1	0	0	N
7	1	1	1	0	Y
8	2	0	1	0	Y
9	1	0	2	0	Y
10	0	0	1	0	N
11	0	0	0	2	N
12	0	1	2	0	Y
13	0	2	0	1	Y
14	1	0	1	1	Y
15	0	0	1	1	N
16	0	0	1	2	N
17	0	0	1	2	N
18	1	0	3	1	Y
19	0	0	1	1	N
20	0	0	2	2	N
21	0	0	0	2	N
Total					10

6. **From Printed Map Identify Whole and Split Townships and Cities.**
   a. Townships, Villages, or Cities shall be divided if necessary to meet the population standard.
   b. SEE TABLES NEXT PAGE.

Number of whole Townships	17
Number of whole Cities	25
Number of split Townships	4
Number of split Cities	6
Number of Township Splits	6
Number of City Splits	9

Township & City Completeness Report

Township	Whole	Split	No. Splits	City	Whole	Split	No. Splits
Holly	X			Clarkston	X		
Groveland	X			Pontiac	X		
Brandon	X			Lake Angelus	X		
Oxford	X			Auburn Hills	X		
Addison	X			Rochester Hills		X	1
Oakland	X			Rochester	X		
Orion	X			Troy		X	2
Independence		X	1	Bloomfield Hills	X		
Springfield	X			Birmingham	X		
Rose	X			Sylvan Lake	X		
Highland	X			Keego Harbor	X		
White Lake	X			Orchard Lake	X		
Waterford		X	2	Walled Lake	X		
Bloomfield		X	1	Wixom	X		
West Bloomfield		X	2	South Lyon	X		
Commerce	X			Novi	X		
Milford	X			Northville	X		
Lyon	X			Farmington Hills		X	2
Novi	X			Farmington	X		
Southfield	X			Southfield		X	1
Royal Oak	X			Lathrup Village	X		
				Oak Park		X	1
				Royal Oak		X	2
				Berkley	X		
				Huntington Woods	X		
				Pleasant Ridge	X		
				Ferndale	X		
				Hazel Park	X		
				Madison Heights	X		
				Clawson	X		
				Fenton	X		
Total	17	4	6	Total	25	6	9

7. **Residents of state institutions who cannot by law register in the county as electors shall be excluded from any consideration of representation.**

8. **Districts shall not be drawn to effect political advantage.**

9. **Run "Summary Majority Minority", "Racial Demographics" and Voting Age Minority Population Report(Legal)" reports.**

   a. At least 3 (three) districts shall be created to represent a minority population base.

District Number	Total Population	Total All Minority's Percent	Total Voter Population	Voter Black Minority Percent
1	59,651	73.49	43,427	50.8
17	56,106	70.76	43,200	64.8
21	54,889	62.74	43,667	54.1

Verified by: Validation date:

   Ron Crank   04/05/2012

Department: Plat Engineering

If plan cannot be verified please indicate the reason and describe corrective action: