



# City of Dallas 2021-22 Redistricting

## Submitted Map Analysis

**Plan Summary** – Plan ID: COD-016-Sophieik (Submitter: Sophie Kitner)

**Date Submitted:** - 2-17-22

**Current Status:** Meets the City of Dallas Redistricting Criteria

### REVIEW CRITERIA FOR PLAN ACCEPTANCE

**1. Maximum Deviation Less than 10%:** Population Difference between most populated and least populated district divided by ideal population is less than 10%

**Plan meets Criteria**

**Plan does not meet Criteria**

Plan Max Deviation – 4.06%

**2. Contiguity:** All districts should be geographically contiguous.

**Plan meets Criteria**

**Plan does not meet Criteria**

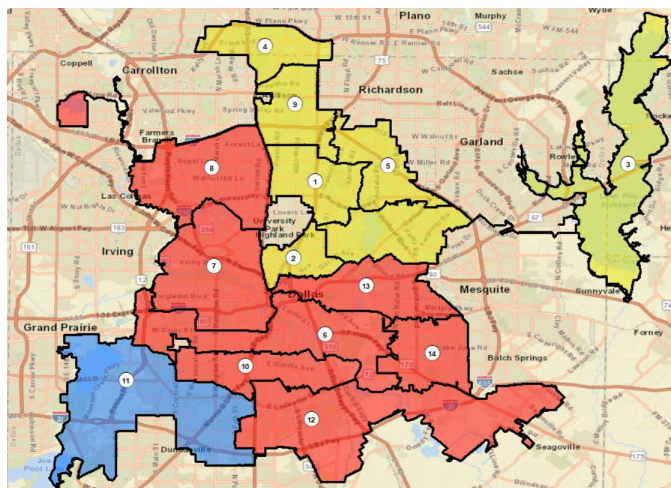
**3. Unassigned Units – None**

**Plan meets Criteria**

**Plan does not meet Criteria**

**4. Other Map Characteristics for further evaluation:**

**1. No. of Minority Majority/Plurality Districts: 8**



NH-Black – 1 (11)

Hispanic – 7

(6, 7, 8, 10, 12, 13, 14)

(NH White – Yellow, Hispanic – Red; NH Black – Blue)

### Total Population by Race and Ethnicity

	Total Population	Deviation		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%	#	%
1	92,642	-528.00	-0.57%	20,888	22.55%	47,330	51.09%	13,176	14.22%	7,637	8.24%	3,611	3.90%
2	93,772	602.00	0.65%	17,149	18.29%	58,829	62.74%	8,489	9.05%	5,022	5.36%	4,283	4.57%
3	92,299	-871.00	-0.93%	36,979	40.06%	39,878	43.21%	9,842	10.66%	2,211	2.40%	3,389	3.67%
4	93,877	707.00	0.76%	18,808	20.03%	40,049	42.66%	20,427	21.76%	9,922	10.57%	4,671	4.98%
5	92,337	-833.00	-0.89%	20,945	22.68%	31,384	33.99%	30,531	33.06%	5,894	6.38%	3,583	3.88%
6	91,083	-2,087.00	-2.24%	53,021	<b>58.21%</b>	11,209	12.31%	24,040	26.39%	839	0.92%	1,974	2.17%
7	92,530	-640.00	-0.69%	48,509	<b>52.43%</b>	20,534	22.19%	17,114	18.50%	3,797	4.10%	2,576	2.78%
8	94,866	1,696.00	1.82%	47,684	<b>50.26%</b>	36,644	38.63%	4,773	5.03%	3,151	3.32%	2,614	2.76%
9	94,226	1,056.00	1.13%	32,363	34.35%	38,999	41.39%	14,682	15.58%	4,611	4.89%	3,571	3.79%
10	92,572	-598.00	-0.64%	58,064	<b>62.72%</b>	4,373	4.72%	27,779	30.01%	546	0.59%	1,810	1.96%
11	94,509	1,339.00	1.44%	37,681	39.87%	8,213	8.69%	44,351	<b>46.93%</b>	1,776	1.88%	2,488	2.63%
12	92,522	-648.00	-0.70%	43,929	<b>47.48%</b>	5,874	6.35%	40,566	43.84%	279	0.30%	1,874	2.03%
13	93,992	822.00	0.88%	48,311	<b>51.40%</b>	18,742	19.94%	22,474	23.91%	1,927	2.05%	2,538	2.70%
14	93,152	-18.00	-0.02%	66,843	<b>71.76%</b>	4,335	4.65%	20,520	22.03%	208	0.22%	1,246	1.34%
	1,304,379	4.06%		551,174	42.26%	366,393	28.09%	298,764	22.90%	47,820	3.67%	40,228	3.08%

### Total Voting Age Population by Race and Ethnicity

	Total Voting Age Population	Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%
1	75,823	15,205	20.05%	41,386	54.58%	10,650	14.05%	5,933	7.82%	2,649	3.49%
2	85,246	14,339	16.82%	55,596	65.22%	6,910	8.11%	4,720	5.54%	3,681	4.32%
3	69,316	25,426	36.68%	32,612	47.05%	7,225	10.42%	1,806	2.61%	2,247	3.24%
4	77,219	14,019	18.15%	35,004	45.33%	16,015	20.74%	8,705	11.27%	3,476	4.50%
5	68,614	14,235	20.75%	24,933	36.34%	22,689	33.07%	4,316	6.29%	2,441	3.56%
6	68,527	37,187	<b>54.27%</b>	10,320	15.06%	18,723	27.32%	768	1.12%	1,529	2.23%
7	74,413	35,572	<b>47.80%</b>	19,166	25.76%	14,153	19.02%	3,439	4.62%	2,083	2.80%
8	71,064	32,954	<b>46.37%</b>	29,953	42.15%	3,970	5.59%	2,445	3.44%	1,742	2.45%
9	73,811	22,414	30.37%	33,088	44.83%	11,695	15.84%	4,037	5.47%	2,577	3.49%
10	65,967	39,278	<b>59.54%</b>	3,814	5.78%	21,140	32.05%	435	0.66%	1,300	1.97%
11	69,150	25,328	36.63%	7,279	10.53%	33,312	<b>48.17%</b>	1,489	2.15%	1,742	2.52%
12	64,632	27,209	42.10%	4,816	7.45%	31,137	<b>48.18%</b>	202	0.31%	1,268	1.96%
13	71,845	33,601	<b>46.77%</b>	17,020	23.69%	17,526	24.39%	1,733	2.41%	1,965	2.74%
14	64,078	44,195	<b>68.97%</b>	3,780	5.90%	15,112	23.58%	163	0.25%	828	1.29%
	999,705	380,962	38.11%	318,767	31.89%	230,257	23.03%	40,191	4.02%	29,528	2.95%

The Majority/Plurality District percentages are in bold

**2. No. of Neighborhoods splits - 69 out of 443 Neighborhood Associations**

**3. Compactness analysis for each district:**

District	Area:	Perimeter:	Reock	Polsby-Popper	Convex Hull Ratio:	Schwartzberg
District 1	15.67	22.34	0.38	0.39	0.775	0.63
District 2	8.51	17.61	0.31	0.34	0.745	0.59
District 3	58.51	118.60	0.12	0.05	0.342	0.23
District 4	13.72	19.80	0.28	0.44	0.768	0.66
District 5	15.42	31.29	0.25	0.20	0.663	0.44
District 6	33.90	61.63	0.19	0.11	0.527	0.33
District 7	33.19	29.49	0.41	0.48	0.893	0.69
District 8	32.97	55.38	0.20	0.14	0.493	0.37
District 9	15.57	23.15	0.37	0.37	0.807	0.60
District 10	17.72	31.01	0.22	0.23	0.761	0.48
District 11	49.57	58.34	0.33	0.18	0.666	0.43
District 12	51.58	63.45	0.21	0.16	0.653	0.40
District 13	20.57	32.54	0.23	0.24	0.752	0.49
District 14	16.45	27.90	0.46	0.27	0.814	0.52
<b>Average</b>	<b>27.38</b>	<b>42.32</b>	<b>0.28</b>	<b>0.26</b>	<b>0.69</b>	<b>0.49</b>



# 2021/22 City of Dallas Redistricting Plan Submission - COD-016-SophieK on 2-17-22

## Map Meets the Redistricting Criteria

General Information	
Plan-ID	COD-016-SophieK
Submitted By	Sophie Kitner
Submitted On	2/17/2022
Status	Meets Criteria
Deviation, Area and Perimeter	
Maximum Deviation	4.06%
Average Area	27.38
Average Perimeter	42.32
Average Compactness Scores	
Average Reock Score	0.28
Average Polsby-Popper Score	0.26
Average Convex Hull Score	0.69
Average Schwartzberg Score	0.49
Minority Majority Districts	
Number of Minority/Plurality Districts	8 (1 NH-Black, 7 Hisp)
Number of Neighborhood splits	69

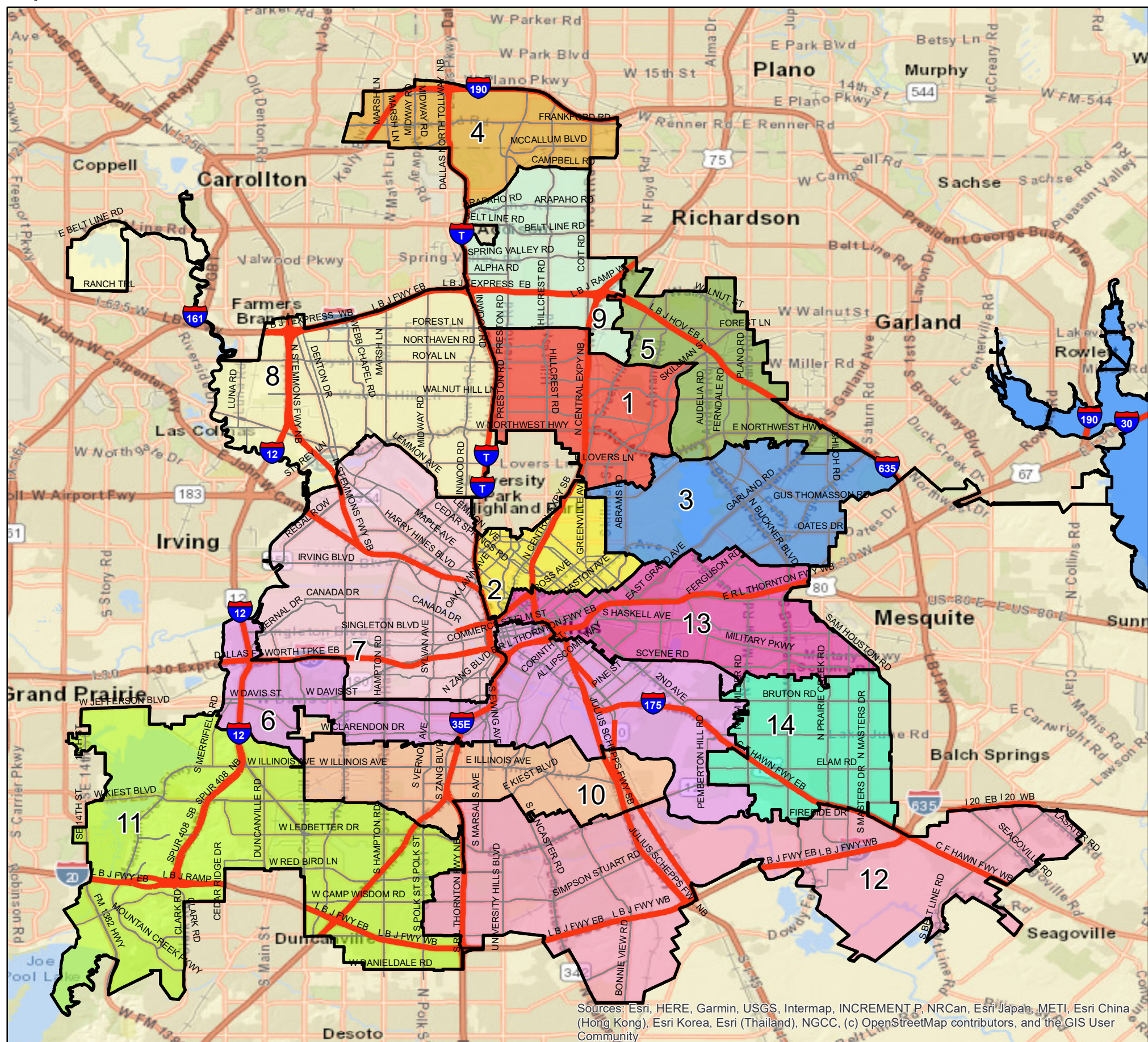
**Highways**

**Districts**

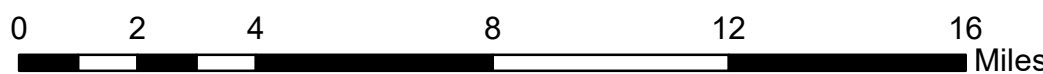
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Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Demographic Data Source: 2020 - PL94-171 Data from Bureau of Census; Geography: 2020 Census Blocks from the Bureau of Census; Districts: As Drawn by the Plan Submitter

