



City of Dallas 2021-22 Redistricting

Submitted Map Analysis

Plan Summary – Plan ID: COD-043-Kitner (Submitter: Jeff Kitner)

Date Submitted: 4-15-22

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 – 2.66%

2. Contiguity: All districts should be geographically contiguous.

Plan meets Criteria

Plan does not meet Criteria

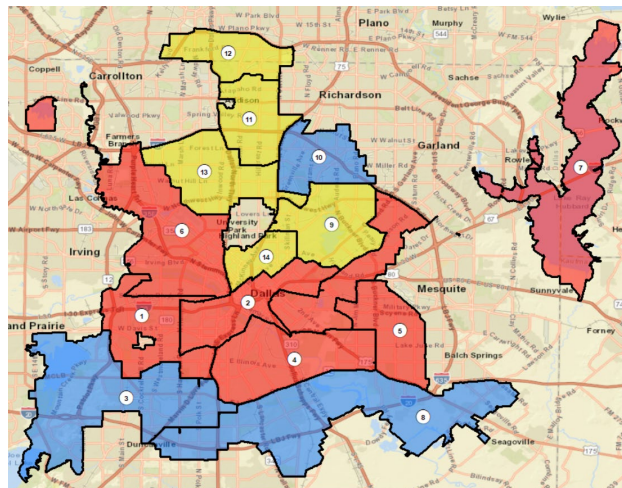
3. Unassigned Units – None

Plan meets Criteria

Plan does not meet Criteria

4. Other Map Characteristics for further evaluation:

1. No. of Minority Majority/Plurality Districts: 9



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

NH-Black – 3(3.8, 10)

Hispanic – 6

(1, 2, 4, 5, 6, 7)

Total Population by Race and Ethnicity

	Total Population	Deviation		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%	#	%
1	92,144	-1,026.00	-1.10%	73,489	79.75%	7,236	7.85%	9,353	10.15%	710	0.77%	1,356	1.47%
2	92,324	-846.00	-0.91%	43,181	46.77%	28,329	30.68%	15,461	16.75%	2,258	2.45%	3,095	3.35%
3	93,321	151.00	0.16%	37,688	40.39%	8,629	9.25%	42,501	45.54%	1,799	1.93%	2,704	2.90%
4	94,000	830.00	0.89%	52,628	55.99%	2,513	2.67%	37,063	39.43%	247	0.26%	1,549	1.65%
5	93,376	206.00	0.22%	64,757	69.35%	5,326	5.70%	21,549	23.08%	375	0.40%	1,369	1.47%
6	93,658	488.00	0.52%	56,323	60.14%	16,599	17.72%	14,135	15.09%	4,305	4.60%	2,296	2.45%
7	93,093	-77.00	-0.08%	48,513	52.11%	13,327	14.32%	27,356	29.39%	1,598	1.72%	2,299	2.47%
8	92,627	-543.00	-0.58%	42,028	45.37%	5,990	6.47%	42,379	45.75%	316	0.34%	1,914	2.07%
9	93,482	312.00	0.33%	18,406	19.69%	59,068	63.19%	7,097	7.59%	4,538	4.85%	4,373	4.68%
10	92,868	-302.00	-0.32%	21,891	23.57%	26,554	28.59%	33,431	36.00%	7,496	8.07%	3,496	3.76%
11	94,619	1,449.00	1.56%	31,613	33.41%	40,807	43.13%	13,619	14.39%	4,964	5.25%	3,616	3.82%
12	93,121	-49.00	-0.05%	18,451	19.81%	40,477	43.47%	19,807	21.27%	9,705	10.42%	4,681	5.03%
13	93,299	129.00	0.14%	26,834	28.76%	51,460	55.16%	7,276	7.80%	4,463	4.78%	3,266	3.50%
14	92,447	-723.00	-0.78%	15,372	16.63%	60,078	64.99%	7,737	8.37%	5,046	5.46%	4,214	4.56%
	1,304,379		2.66%	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	67,025	51,941	77.49%	6,504	9.70%	6,954	10.38%	601	0.90%	1,025	1.53%
2	76,009	32,150	42.30%	25,919	34.10%	13,361	17.58%	2,047	2.69%	2,532	3.33%
3	68,649	25,108	36.57%	7,625	11.11%	32,486	47.32%	1,519	2.21%	1,911	2.78%
4	66,202	34,117	51.53%	2,142	3.24%	28,711	43.37%	174	0.26%	1,058	1.60%
5	65,155	43,035	66.05%	4,702	7.22%	16,161	24.80%	335	0.51%	922	1.42%
6	72,012	39,836	55.32%	15,339	21.30%	11,304	15.70%	3,743	5.20%	1,790	2.49%
7	68,838	32,988	47.92%	11,806	17.15%	21,019	30.53%	1,358	1.97%	1,667	2.42%
8	63,416	25,938	40.90%	4,895	7.72%	31,059	48.98%	228	0.36%	1,296	2.04%
9	74,696	13,330	17.85%	48,870	65.43%	5,723	7.66%	3,717	4.98%	3,056	4.09%
10	69,821	14,991	21.47%	22,046	31.58%	24,943	35.72%	5,428	7.77%	2,413	3.46%
11	74,716	22,008	29.46%	34,846	46.64%	10,884	14.57%	4,352	5.82%	2,626	3.51%
12	75,886	13,642	17.98%	34,899	45.99%	15,458	20.37%	8,471	11.16%	3,416	4.50%
13	73,254	18,902	25.80%	42,732	58.33%	5,913	8.07%	3,467	4.73%	2,240	3.06%
14	84,026	12,976	15.44%	56,442	67.17%	6,281	7.48%	4,751	5.65%	3,576	4.26%
	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 - 41 out of 443 Neighborhood Associations

3. Compactness analysis for each district:

District	Area:	Perimeter:	Reock	Polsby-Popper	Convex Hull Ratio:	Schwartzberg
District 1	21.35	38.62	0.33	0.18	0.62	0.42
District 2	19.04	30.70	0.23	0.25	0.64	0.50
District 3	47.22	58.65	0.27	0.17	0.65	0.42
District 4	28.03	25.62	0.34	0.54	0.84	0.73
District 5	17.28	21.84	0.32	0.46	0.83	0.67
District 6	39.44	61.33	0.18	0.13	0.50	0.36
District 7	58.70	126.87	0.11	0.05	0.31	0.21
District 8	55.23	63.24	0.17	0.17	0.66	0.42
District 9	20.96	22.90	0.40	0.50	0.83	0.71
District 10	15.29	20.91	0.40	0.44	0.82	0.66
District 11	15.57	20.76	0.39	0.45	0.82	0.67
District 12	14.12	19.83	0.30	0.45	0.81	0.67
District 13	22.73	29.18	0.28	0.34	0.74	0.58
District 14	8.39	14.86	0.36	0.48	0.84	0.69
Average	27.38	39.66	0.29	0.33	0.71	0.55

2021/22 City of Dallas Redistricting Plan Submission - COD-043-Kitner on 4-15-22

Map Meets the Redistricting Criteria

General Information	
Plan-ID	COD-043-Kitner
Submitted By	Jeff Kitner
Submitted On	4/15/2022
Status	Meets Criteria
Deviation, Area and Perimeter	
Maximum Deviation	2.66%
Average Area	27.38
Average Perimeter	39.66
Average Compactness Scores	
Average Reock Score	0.29
Average Polsby-Popper Score	0.33
Average Convex Hull Score	0.71
Average Schwartzberg Score	0.55
Minority Majority Districts	
Number of Minority/Plurality Districts	9(3 NHB, 6 Hisp)
Number of Neighborhood splits	41

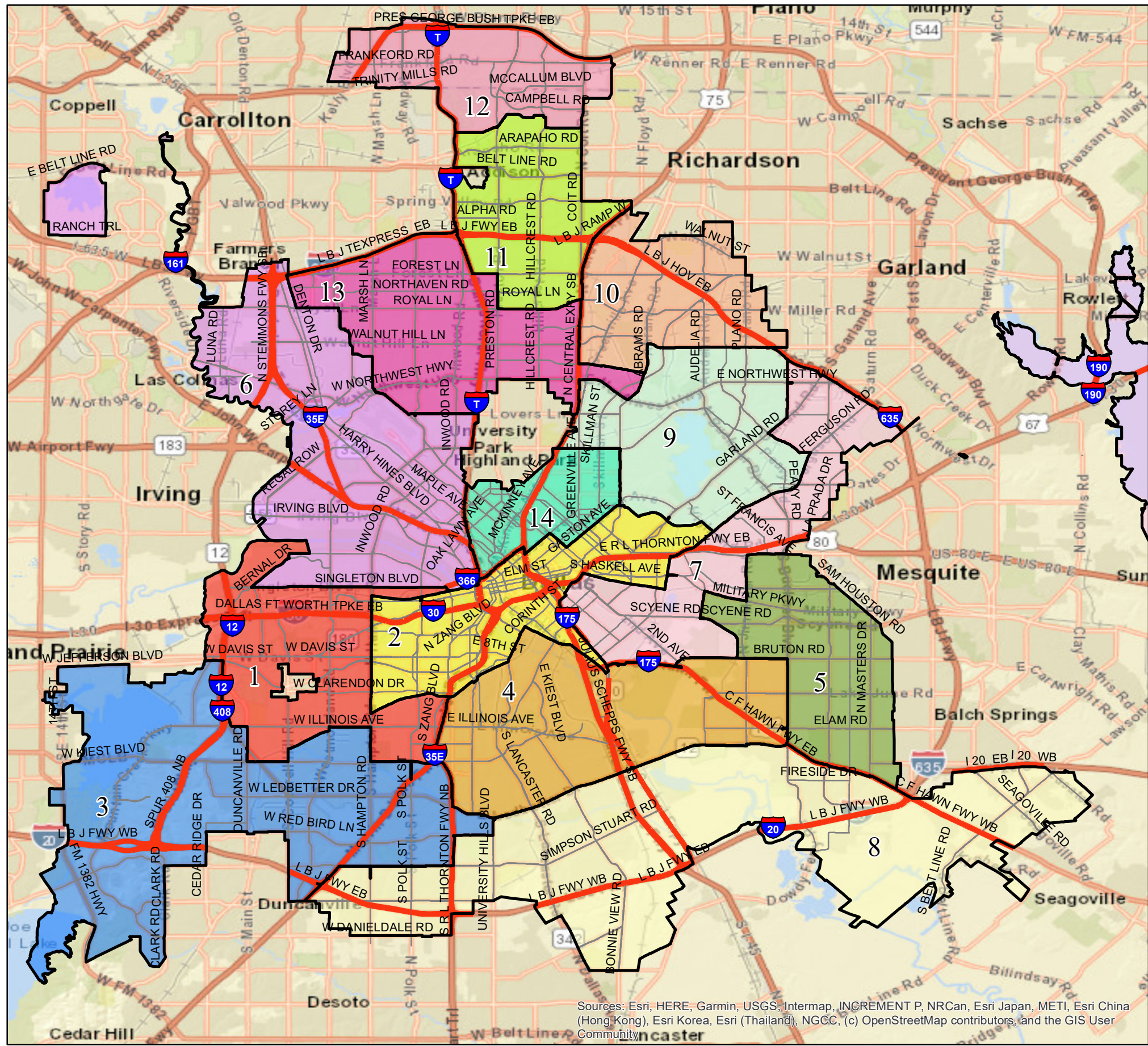
Highways

Districts

	1		8
	2		9
	3		10
	4		11
	5		12
	6		13
	7		14

	Total Population		Deviation		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
1	92,144	-1,026.00	-1.10%	73,489	79.75%	7,236	7.85%	9,353	10.15%	710	0.77%	1,356	1.47%	
2	92,324	-846.00	-0.91%	43,181	46.77%	28,329	30.68%	15,461	16.75%	2,258	2.45%	3,095	3.35%	
3	93,321	151.00	0.16%	37,688	40.39%	8,629	9.25%	42,501	45.54%	1,799	1.93%	2,704	2.90%	
4	94,000	830.00	0.89%	52,628	55.99%	2,513	2.67%	37,063	39.43%	247	0.26%	1,549	1.65%	
5	93,376	206.00	0.22%	64,757	69.35%	5,326	5.70%	21,549	23.08%	375	0.40%	1,369	1.47%	
6	93,658	488.00	0.52%	56,323	60.14%	16,599	17.72%	14,135	15.09%	4,305	4.60%	2,296	2.45%	
7	93,093	-77.00	-0.08%	48,513	52.11%	13,327	14.32%	27,356	29.39%	1,598	1.72%	2,299	2.47%	
8	92,627	-543.00	-0.58%	42,028	45.37%	5,990	6.47%	42,379	45.75%	316	0.34%	1,914	2.07%	
9	93,482	312.00	0.33%	18,406	19.69%	59,068	63.19%	7,097	7.59%	4,538	4.85%	4,373	4.68%	
10	92,868	-302.00	-0.32%	21,891	23.57%	26,554	28.59%	33,431	36.00%	7,496	8.07%	3,496	3.76%	
11	94,619	1,449.00	1.56%	31,613	33.41%	40,807	43.13%	13,619	14.39%	4,964	5.25%	3,616	3.82%	
12	93,121	-49.00	-0.05%	18,451	19.81%	40,477	43.47%	19,807	21.27%	9,705	10.42%	4,681	5.03%	
13	93,299	129.00	0.14%	26,834	28.76%	51,460	55.16%	7,276	7.80%	4,463	4.78%	3,266	3.50%	
14	92,447	-723.00	-0.78%	15,372	16.63%	60,078	64.99%	7,737	8.37%	5,046	5.46%	4,214	4.56%	
Total	1,304,379	2.66%		551,174	42.26%	366,393	28.09%	298,764	22.90%	47,820	3.67%	40,228	3.08%	

	Total Voting Age Population		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
	#	%	#	%	#	%	#	%	#	%	#	%
1	67,025	51,941	77.49%	6,504	9.70%	6,954	10.38%	601	0.90%	1,025	1.53%	
2	76,009	32,150	42.30%	25,919	34.10%	13,361	17.58%	2,047	2.69%	2,532	3.33%	
3	68,649	25,108	36.57%	7,625	11.11%	32,486	47.32%	1,519	2.21%	1,911	2.78%	
4	66,202	34,117	51.53%	2,142	3.24%	28,711	43.37%	174	0.26%	1,058	1.60%	
5	65,155	43,035	66.05%	4,702	7.22%	16,161	24.80%	335	0.51%	922	1.42%	
6	72,012	39,836	55.32%	15,339	21.30%	11,304	15.70%	3,743	5.20%	1,790	2.49%	
7	68,838	32,988	47.92%	11,806	17.15%	21,019	30.53%	1,358	1.97%	1,667	2.42%	
8	63,416	25,938	40.90%	4,895	7.72%	31,059	48.98%	228	0.36%	1,296	2.04%	
9	74,696	13,330	17.85%	48,870	65.43%	5,723	7.66%	3,717	4.98%	3,056	4.09%	
10	69,821	14,991	21.47%	22,046	31.58%	24,943	35.72%	5,428	7.77%	2,413	3.46%	
11	74,716	22,008	29.46%	34,846	46.64%	10,884	14.57%	4,352	5.82%	2,626	3.51%	
12	75,886	13,642	17.98%	34,899	45.99%	15,458	20.37%	8,471	11.16%	3,416	4.50%	
13	73,254	18,902	25.80%	42,732	58.33%	5,913	8.07%	3,467	4.73%	2,240	3.06%	
14	84,026	12,976	15.44%	56,442	67.17%	6,281	7.48%	4,751	5.65%	3,576	4.26%	
Total	999,705	380,962	38.11%	318,767	31.89%	230,257	23.03%	40,191	4.02%	29,528	2.95%	



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

