



City of Dallas 2021-22 Redistricting

Submitted Map Analysis

Plan Summary – Plan ID: COD-033-Felder (Submitter: Kevin Felder)

Date Submitted: 4-8-22

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 – 8.56%

2. Contiguity: All districts should be geographically contiguous.

Plan meets Criteria

Plan does not meet Criteria

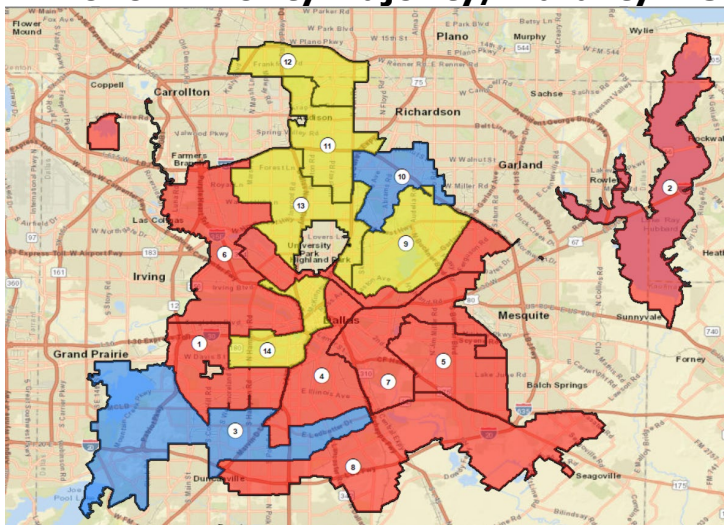
3. Unassigned Units – None

Plan meets Criteria

Plan does not meet Criteria

4. Other Map Characteristics for further evaluation:

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



NH-Black – 2(3, 10)

Hispanic – 7

(1, 2, 4, 5, 6, 7, 8)

(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	92,398	-772.00	-0.83%	74,097	80.19%	5,911	6.40%	10,517	11.38%	607	0.66%	1,266	1.37%
2	91,450	-1,720.00	-1.85%	44,517	48.68%	29,452	32.21%	10,142	11.09%	4,310	4.71%	3,029	3.31%
3	91,186	-1,984.00	-2.13%	34,006	37.29%	7,864	8.62%	45,455	49.85%	1,510	1.66%	2,351	2.58%
4	91,503	-1,667.00	-1.79%	38,914	42.53%	13,558	14.82%	34,430	37.63%	1,888	2.06%	2,713	2.96%
5	92,407	-763.00	-0.82%	73,003	79.00%	5,161	5.59%	12,867	13.92%	182	0.20%	1,194	1.29%
6	91,922	-1,248.00	-1.34%	61,409	66.81%	13,403	14.58%	13,087	14.24%	2,287	2.49%	1,736	1.89%
7	89,807	-3,363.00	-3.61%	40,346	44.93%	8,079	9.00%	38,435	42.80%	871	0.97%	2,076	2.31%
8	92,844	-326.00	-0.35%	42,883	46.19%	5,990	6.45%	41,757	44.98%	316	0.34%	1,898	2.04%
9	94,511	1,341.00	1.44%	19,653	20.79%	60,093	63.58%	7,398	7.83%	3,053	3.23%	4,314	4.56%
10	95,357	2,187.00	2.35%	26,130	27.40%	21,982	23.05%	35,842	37.59%	7,975	8.36%	3,428	3.59%
11	97,373	4,203.00	4.51%	31,506	32.36%	41,977	43.11%	14,771	15.17%	5,323	5.47%	3,796	3.90%
12	97,778	4,608.00	4.95%	19,235	19.67%	43,867	44.86%	19,919	20.37%	9,870	10.09%	4,887	5.00%
13	95,921	2,751.00	2.95%	15,291	15.94%	65,088	67.86%	5,981	6.24%	5,572	5.81%	3,989	4.16%
14	89,922	-3,248.00	-3.49%	30,184	33.57%	43,968	48.90%	8,163	9.08%	4,056	4.51%	3,551	3.95%
	1,304,379		8.56%	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	66,607	52,258	78.46%	5,210	7.82%	7,702	11.56%	507	0.76%	930	1.40%
2	74,008	32,307	43.65%	27,164	36.70%	8,265	11.17%	3,864	5.22%	2,408	3.25%
3	67,252	22,379	33.28%	6,958	10.35%	34,999	52.04%	1,256	1.87%	1,660	2.47%
4	69,909	26,271	37.58%	12,739	18.22%	27,118	38.79%	1,690	2.42%	2,091	2.99%
5	64,378	48,713	75.67%	4,591	7.13%	10,100	15.69%	145	0.23%	829	1.29%
6	68,627	42,847	62.43%	12,098	17.63%	10,503	15.30%	1,907	2.78%	1,272	1.85%
7	65,416	27,059	41.36%	7,078	10.82%	29,048	44.41%	743	1.14%	1,488	2.27%
8	62,886	26,437	42.04%	4,896	7.79%	30,042	47.77%	228	0.36%	1,283	2.04%
9	73,051	13,812	18.91%	48,297	66.11%	5,772	7.90%	2,262	3.10%	2,908	3.98%
10	71,232	17,809	25.00%	18,441	25.89%	26,858	37.70%	5,709	8.01%	2,415	3.39%
11	78,318	22,219	28.37%	36,666	46.82%	11,945	15.25%	4,668	5.96%	2,820	3.60%
12	78,893	14,143	17.93%	37,115	47.04%	15,513	19.66%	8,601	10.90%	3,521	4.46%
13	79,802	11,565	14.49%	55,484	69.53%	5,205	6.52%	4,739	5.94%	2,809	3.52%
14	79,326	23,143	29.17%	42,030	52.98%	7,187	9.06%	3,872	4.88%	3,094	3.90%
	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 - 44 out of 443 Neighborhood Associations

3. Compactness analysis for each district:

District	Area:	Perimeter:	Reock	Polsby-Popper	Convex Hull Ratio:	Schwartzberg
District 1	20.24	31.00	0.35	0.26	0.75	0.51
District 2	54.85	133.94	0.08	0.04	0.23	0.20
District 3	47.94	69.29	0.21	0.13	0.56	0.35
District 4	20.32	29.96	0.20	0.28	0.64	0.53
District 5	20.64	24.01	0.34	0.45	0.83	0.67
District 6	38.43	69.75	0.16	0.10	0.42	0.32
District 7	25.04	40.42	0.21	0.19	0.54	0.44
District 8	53.35	64.03	0.16	0.16	0.60	0.40
District 9	21.90	24.26	0.36	0.47	0.88	0.68
District 10	13.25	26.87	0.31	0.23	0.65	0.48
District 11	17.13	27.89	0.27	0.28	0.72	0.53
District 12	13.96	20.91	0.29	0.40	0.74	0.63
District 13	23.88	42.95	0.26	0.16	0.61	0.40
District 14	12.43	26.04	0.28	0.23	0.56	0.48
Average	27.38	45.10	0.25	0.24	0.63	0.47



2021/22 City of Dallas Redistricting Plan Submission - COD-033-Felder on 4-8-22

Map Meets the Redistricting Criteria

General Information	
Plan-ID	COD-033-Felder
Submitted By	Kevin Felder
Submitted On	4/8/2022
Status	Meets Criteria
Deviation, Area and Perimeter	
Maximum Deviation	8.56%
Average Area	27.38
Average Perimeter	45.10
Average Compactness Scores	
Average Reock Score	0.25
Average Polsby-Popper Score	0.24
Average Convex Hull Score	0.63
Average Schwartzberg Score	0.47
Minority Majority Districts	
Number of Minority/Plurality Districts (2 NH-Black, 7 Hisp)	
Number of Neighborhood splits	44

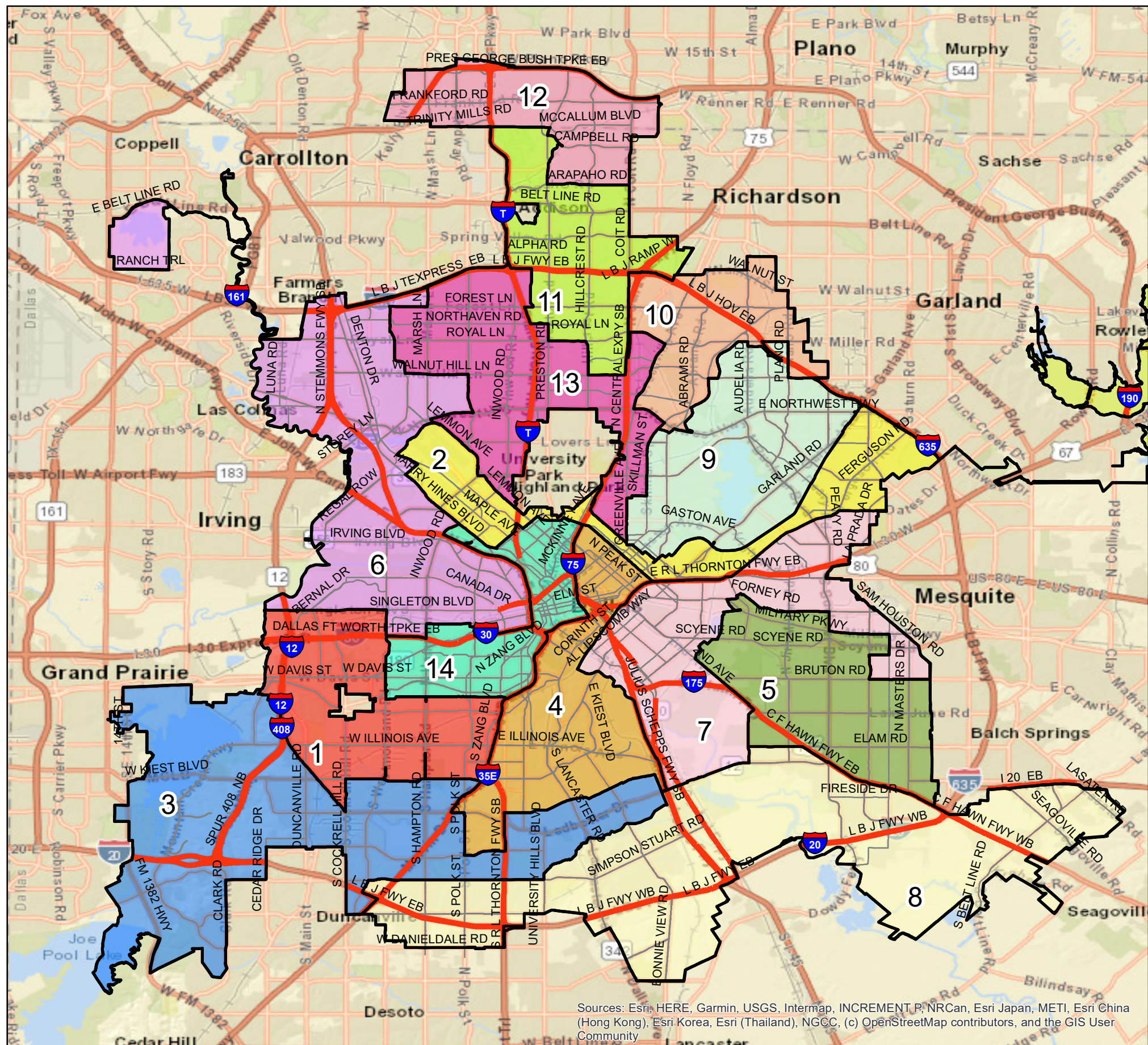
Highways

Districts

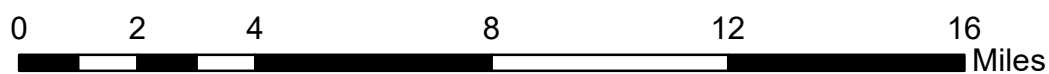
1	8
2	9
3	10
4	11
5	12
6	13
7	14

District	Total Population		Deviation		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
1	92,398	-772.00	-0.83%	74,097	80.19%	5,911	6.40%	10,517	11.38%	607	0.66%	1,266	1.37%	
2	91,450	-1,720.00	-1.85%	44,517	48.68%	29,452	32.21%	10,142	11.09%	4,310	4.71%	3,029	3.31%	
3	91,186	-1,984.00	-2.13%	34,006	37.29%	7,864	8.62%	45,455	49.85%	1,510	1.66%	2,351	2.58%	
4	91,503	-1,667.00	-1.79%	38,914	42.53%	13,558	14.82%	34,430	37.63%	1,888	2.06%	2,713	2.96%	
5	92,407	-763.00	-0.82%	73,003	79.00%	5,161	5.59%	12,867	13.92%	182	0.20%	1,194	1.29%	
6	91,922	-1,248.00	-1.34%	61,409	66.81%	13,403	14.58%	13,087	14.24%	2,287	2.49%	1,736	1.89%	
7	89,807	-3,363.00	-3.61%	40,346	44.93%	8,079	9.00%	38,435	42.80%	871	0.97%	2,076	2.31%	
8	92,844	-326.00	-0.35%	42,883	46.19%	5,990	6.45%	41,757	44.98%	316	0.34%	1,898	2.04%	
9	94,511	1,341.00	1.44%	19,653	20.79%	60,093	63.58%	7,398	7.83%	3,053	3.23%	4,314	4.56%	
10	95,357	2,187.00	2.35%	26,130	27.40%	21,982	23.05%	35,842	37.59%	7,975	8.36%	3,428	3.59%	
11	97,373	4,203.00	4.51%	31,506	32.36%	41,977	43.11%	14,771	15.17%	5,323	5.47%	3,796	3.90%	
12	97,778	4,608.00	4.95%	19,235	19.67%	43,867	44.86%	19,919	20.37%	9,870	10.09%	4,887	5.00%	
13	95,921	2,751.00	2.95%	15,291	15.94%	65,088	67.86%	5,981	6.24%	5,572	5.81%	3,989	4.16%	
14	89,922	-3,248.00	-3.49%	30,184	33.57%	43,968	48.90%	8,163	9.08%	4,056	4.51%	3,551	3.95%	
Total	1,304,379		8.56%	551,174	42.26%	366,393	28.09%	298,764	22.90%	47,820	3.67%	40,228	3.08%	

District	Total Voting Age Population		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
	#	%	#	%	#	%	#	%	#	%	#	%
1	66,607	52,258	78.46%	5,210	7.82%	7,702	11.56%	507	0.76%	930	1.40%	
2	74,008	32,307	43.65%	27,164	36.70%	8,265	11.17%	3,864	5.22%	2,408	3.25%	
3	67,252	22,379	33.28%	6,958	10.35%	34,999	52.04%	1,256	1.87%	1,660	2.47%	
4	69,909	26,271	37.58%	12,739	18.22%	27,118	38.79%	1,690	2.42%	2,091	2.99%	
5	64,378	48,713	75.67%	4,591	7.13%	10,100	15.69%	145	0.23%	829	1.29%	
6	68,627	42,847	62.43%	12,098	17.63%	10,503	15.30%	1,907	2.78%	1,272	1.85%	
7	65,416	27,059	41.36%	7,078	10.82%	29,048	44.41%	743	1.14%	1,488	2.27%	
8	62,886	26,437	42.04%	4,896	7.79%	30,042	47.77%	228	0.36%	1,283	2.04%	
9	73,051	13,812	18.91%	48,297	66.11%	5,772	7.90%	2,262	3.10%	2,908	3.98%	
10	71,232	17,809	25.00%	18,441	25.89%	26,858	37.70%	5,709	8.01%	2,415	3.39%	
11	78,318	22,219	28.37%	36,666	46.82%	11,945	15.25%	4,668	5.96%	2,820	3.60%	
12	78,893	14,143	17.93%	37,115	47.04%	15,513	19.66%	8,601	10.90%	3,521	4.46%	
13	79,802	11,565	14.49%	55,484	69.53%	5,205	6.52%	4,739	5.94%	2,809	3.52%	
14	79,326	23,143	29.17%	42,030	52.98%	7,187	9.06%	3,872	4.88%	3,094	3.90%	
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



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

