



City of Dallas 2021-22 Redistricting

Submitted Map Analysis

Plan Summary – Plan ID: COD-008 (Submitter: Bill Betzen)

Date Submitted: - 1-29-21

Current Status: Submitted to the Redistricting Commission

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 – 9.43%

2. Contiguity: All districts should be geographically contiguous.

Plan meets Criteria

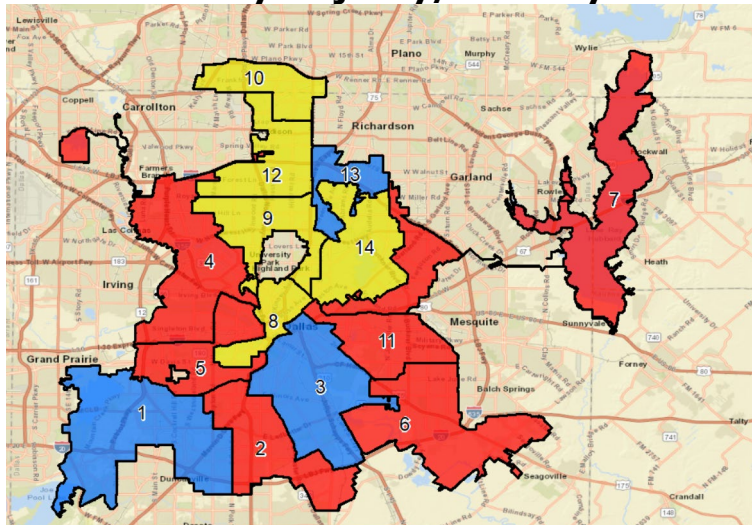
Plan does not meet Criteria

3. Unassigned Census Blocks

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 – 3 (1,3,13)

Hispanic – 6
(2,4,5,6,7,11)

NH White – Yellow; Hispanic – Red; NH Black – Blue

Total Population by Race and Ethnicity by District

	Total Population	Deviation		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%	#	%
1	92,739	-431.00	-0.46%	38,380	41.38%	7,888	8.51%	42,275	45.58%	1,802	1.94%	2,394	2.58%
2	93,432	262.00	0.28%	46,540	49.81%	4,445	4.76%	39,954	42.76%	482	0.52%	2,011	2.15%
3	90,130	-3,040.00	-3.26%	30,210	33.52%	6,581	7.30%	50,461	55.99%	667	0.74%	2,211	2.45%
4	90,412	-2,758.00	-2.96%	66,084	73.09%	8,875	9.82%	10,556	11.68%	3,251	3.60%	1,646	1.82%
5	89,663	-3,507.00	-3.76%	67,425	75.20%	9,918	11.06%	10,132	11.30%	744	0.83%	1,444	1.61%
6	89,558	-3,612.00	-3.88%	67,852	75.76%	7,369	8.23%	12,682	14.16%	234	0.26%	1,421	1.59%
7	90,049	-3,121.00	-3.35%	51,342	57.02%	16,851	18.71%	16,887	18.75%	2,533	2.81%	2,436	2.71%
8	96,581	3,411.00	3.66%	20,208	20.92%	55,563	57.53%	11,113	11.51%	5,486	5.68%	4,211	4.36%
9	97,992	4,822.00	5.18%	15,729	16.05%	64,448	65.77%	7,429	7.58%	6,134	6.26%	4,252	4.34%
10	98,347	5,177.00	5.56%	19,305	19.63%	44,267	45.01%	19,936	20.27%	9,918	10.08%	4,921	5.00%
11	90,485	-2,685.00	-2.88%	57,889	63.98%	7,117	7.87%	23,335	25.79%	565	0.62%	1,579	1.75%
12	93,209	39.00	0.04%	22,692	24.35%	48,902	52.46%	12,458	13.37%	5,314	5.70%	3,843	4.12%
13	94,603	1,433.00	1.54%	33,372	35.28%	14,024	14.82%	36,084	38.14%	7,966	8.42%	3,157	3.34%
14	97,179	4,009.00	4.30%	14,146	14.56%	70,145	72.18%	5,462	5.62%	2,724	2.80%	4,702	4.84%
	1,304,379		9.43%	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 by District

District	Total Voting Age Population	Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%
1	67,431	25,838	38.32%	6,980	10.35%	31,430	46.61%	1,504	2.23%	1,679	2.49%
2	67,872	30,736	45.29%	3,914	5.77%	31,411	46.28%	407	0.60%	1,404	2.07%
3	66,137	19,502	29.49%	6,162	9.32%	38,244	57.83%	567	0.86%	1,662	2.51%
4	65,975	46,018	69.75%	8,008	12.14%	7,967	12.08%	2,763	4.19%	1,219	1.85%
5	67,777	48,313	71.28%	9,204	13.58%	8,455	12.47%	672	0.99%	1,133	1.67%
6	60,709	43,777	72.11%	6,147	10.13%	9,654	15.90%	168	0.28%	963	1.59%
7	66,815	35,436	53.04%	14,949	22.37%	12,679	18.98%	1,947	2.91%	1,804	2.70%
8	88,357	16,792	19.00%	53,340	60.37%	9,335	10.57%	5,200	5.89%	3,690	4.18%
9	83,695	12,481	14.91%	56,272	67.23%	6,437	7.69%	5,336	6.38%	3,169	3.79%
10	79,342	14,187	17.88%	37,446	47.20%	15,526	19.57%	8,640	10.89%	3,543	4.47%
11	64,666	39,066	60.41%	6,257	9.68%	17,710	27.39%	507	0.78%	1,126	1.74%
12	75,142	16,329	21.73%	41,540	55.28%	9,953	13.25%	4,567	6.08%	2,753	3.66%
13	70,270	22,605	32.17%	12,467	17.74%	27,173	38.67%	5,765	8.20%	2,260	3.22%
14	75,517	9,882	13.09%	56,081	74.26%	4,283	5.67%	2,148	2.84%	3,123	4.14%
	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 Association splits - 57 out of 443

3. Compactness analysis for each district:

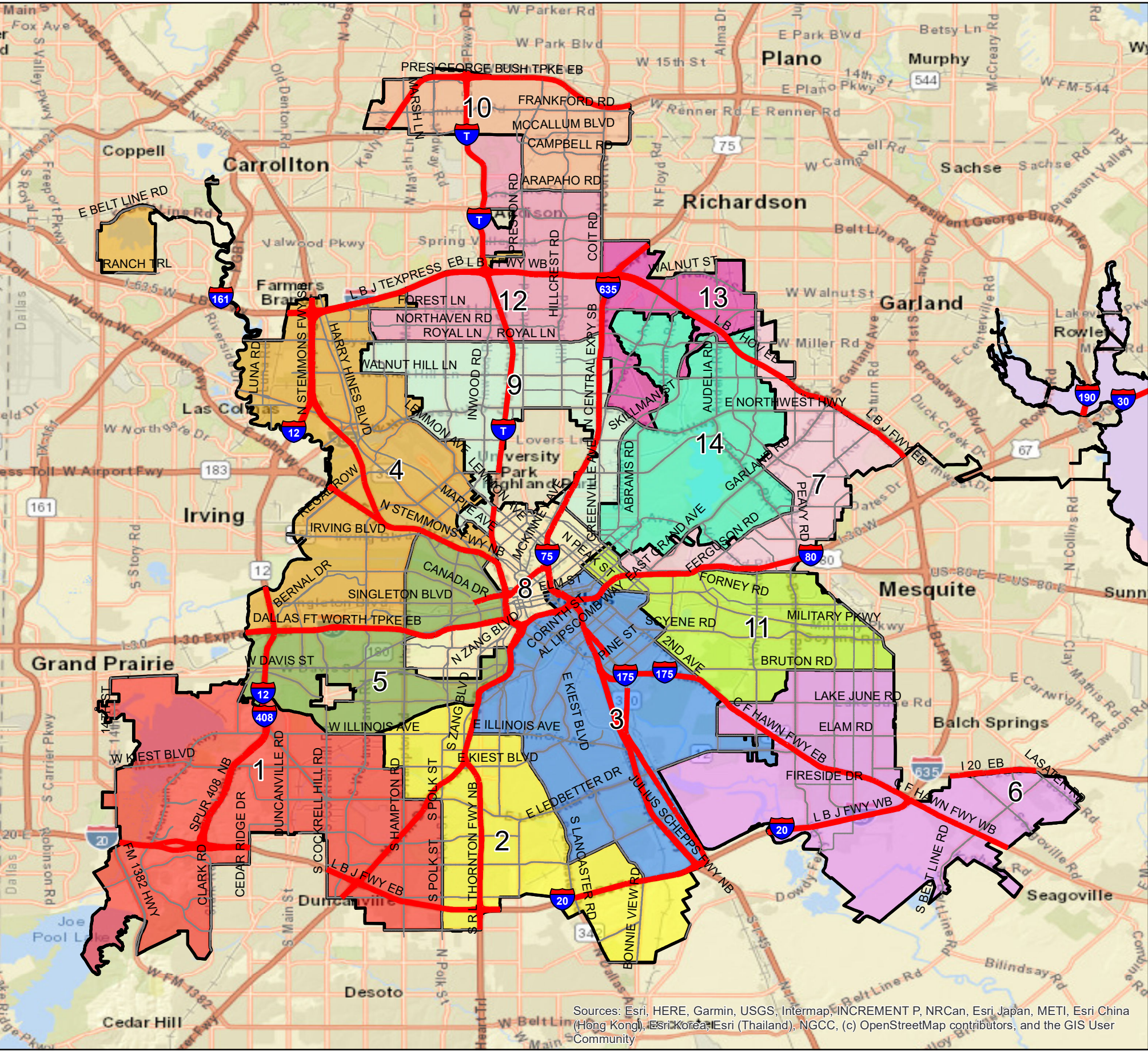
District	Area:	Perimeter:	Reock	Polsby-Popper	Convex Hull Ratio:	Schwarzberg
District 1	48.10	54.18	0.36	0.21	0.69	0.45
District 2	27.43	33.57	0.26	0.31	0.67	0.55
District 3	35.83	36.13	0.29	0.34	0.73	0.59
District 4	40.08	79.23	0.16	0.08	0.35	0.28
District 5	19.66	36.61	0.28	0.18	0.63	0.43
District 6	39.00	49.17	0.27	0.20	0.67	0.45
District 7	54.03	126.93	0.12	0.04	0.29	0.21
District 8	10.75	21.05	0.24	0.30	0.65	0.55
District 9	19.75	39.32	0.28	0.16	0.57	0.40
District 10	14.12	20.47	0.29	0.42	0.75	0.65
District 11	18.88	23.19	0.27	0.44	0.80	0.66
District 12	20.39	30.89	0.34	0.27	0.68	0.52
District 13	10.31	30.47	0.26	0.14	0.59	0.37
District 14	25.02	36.61	0.39	0.23	0.77	0.48
Average	27.38	44.13	0.27	0.24	0.63	0.47

Attachments:1. Map and summary demographic report of proposed council districts



2021/22 City of Dallas Redistricting Plan Submission - COD-008-Betzen on 1-29-22

Map Meets the Redistricting Criteria



General Information

Plan-ID	COD-008
Submitted By	Bill Betzen
Submitted On	1/29/2022
Status	Meets Criteria
Deviation, Area and Perimeter	
Maximum Deviation	9.43%
Average Area	27.38
Average Perimeter	44.13
Average Compactness Scores	
Average Reock Score	0.27
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	9
Number of Neighborhood Associations Splits	57

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	92,739	-431.00	-0.46%	38,380	41.38%	7,888	8.51%	42,275	45.58%	1,802	1.94%	2,394	2.58%	
2	93,432	262.00	0.28%	46,540	49.81%	4,445	4.76%	39,954	42.76%	482	0.52%	2,011	2.15%	
3	90,130	-3,040.00	-3.26%	30,210	33.52%	6,581	7.30%	50,461	55.99%	667	0.74%	2,211	2.45%	
4	90,412	-2,758.00	-2.96%	66,084	73.09%	8,875	9.82%	10,556	11.68%	3,251	3.60%	1,646	1.82%	
5	89,663	-3,507.00	-3.76%	67,425	75.20%	9,918	11.06%	10,132	11.30%	744	0.83%	1,444	1.61%	
6	89,558	-3,612.00	-3.88%	67,852	75.76%	7,369	8.23%	12,682	14.16%	234	0.26%	1,421	1.59%	
7	90,049	-3,121.00	-3.35%	51,342	57.02%	16,851	18.71%	16,887	18.75%	2,533	2.81%	2,436	2.71%	
8	96,581	3,411.00	3.66%	20,208	20.92%	55,563	57.53%	11,113	11.51%	5,486	5.68%	4,211	4.36%	
9	97,992	4,822.00	5.18%	15,729	16.05%	64,448	65.77%	7,429	7.58%	6,134	6.26%	4,252	4.34%	
10	98,347	5,177.00	5.56%	19,305	19.63%	44,267	45.01%	19,936	20.27%	9,918	10.08%	4,921	5.00%	
11	90,485	-2,685.00	-2.88%	57,889	63.98%	7,117	7.87%	23,335	25.79%	565	0.62%	1,579	1.75%	
12	93,209	39.00	0.04%	22,692	24.35%	48,902	52.46%	12,458	13.37%	5,314	5.70%	3,843	4.12%	
13	94,603	1,433.00	1.54%	33,372	35.28%	14,024	14.82%	36,084	38.14%	7,966	8.42%	3,157	3.34%	
14	97,179	4,009.00	4.30%	14,146	14.56%	70,145	72.18%	5,462	5.62%	2,724	2.80%	4,702	4.84%	
	1,304,379		9.43%	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	67,431	25,838	38.32%	6,980	10.35%	31,430	46.61%	1,504	2.23%	1,679	2.49%	
2	67,872	30,736	45.29%	3,914	5.77%	31,411	46.28%	407	0.60%	1,404	2.07%	
3	66,137	19,502	29.49%	6,162	9.32%	38,244	57.83%	567	0.86%	1,662	2.51%	
4	65,975	46,018	69.75%	8,008	12.14%	7,967	12.08%	2,763	4.19%	1,219	1.85%	
5	67,777	48,313	71.28%	9,204	13.58%	8,455	12.47%	672	0.99%	1,133	1.67%	
6	60,709	43,777	72.11%	6,147	10.13%	9,654	15.90%	168	0.28%	963	1.59%	
7	66,815	35,436	53.04%	14,949	22.37%	12,679	18.98%	1,947	2.91%	1,804	2.70%	
8	88,357	16,792	19.00%	53,340	60.37%	9,335	10.57%	5,200	5.89%	3,690	4.18%	
9	83,695	12,481	14.91%	56,272	67.23%	6,437	7.69%	5,336	6.38%	3,169	3.79%	
10	79,342	14,187	17.88%	37,446	47.20%	15,526	19.57%	8,640	10.89%	3,543	4.47%	
11	64,666	39,066	60.41%	6,257	9.68%	17,710	27.39%	507	0.78%	1,126	1.74%	
12	75,142	16,329	21.73%	41,540	55.28%	9,953	13.25%	4,567	6.08%	2,753	3.66%	
13	70,270	22,605	32.17%	12,467	17.74%	27,173	38.67%	5,765	8.20%	2,260	3.22%	
14	75,517	9,882	13.09%	56,081	74.26%	4,283	5.67%	2,148	2.84%	3,123	4.14%	
	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

