



City of Dallas 2021-22 Redistricting

Submitted Map Analysis

Plan Summary – Plan ID: COD-027-FELDER (Submitter: Kevin Felder)

Date Submitted: 4-3-22

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 – 8.43%

2. Contiguity: All districts should be geographically contiguous.

Plan meets Criteria

Plan does not meet Criteria

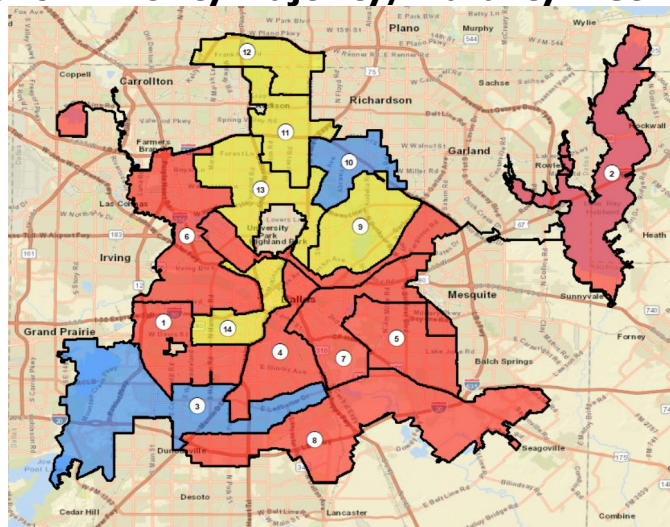
3. Unassigned Units – None

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% | 507 | 0.55% | 930 | 1.01% |
| 2 | 91,450 | -1,720.00 | -1.85% | 44,517 | 48.68% | 29,452 | 32.21% | 10,142 | 11.09% | 3,864 | 4.23% | 2,408 | 2.63% |
| 3 | 91,186 | -1,984.00 | -2.13% | 34,006 | 37.29% | 7,864 | 8.62% | 45,455 | 49.85% | 1,256 | 1.38% | 1,660 | 1.82% |
| 4 | 91,503 | -1,667.00 | -1.79% | 38,914 | 42.53% | 13,558 | 14.82% | 34,430 | 37.63% | 1,690 | 1.85% | 2,091 | 2.29% |
| 5 | 91,621 | -1,549.00 | -1.66% | 72,107 | 78.70% | 5,076 | 5.54% | 13,071 | 14.27% | 146 | 0.16% | 819 | 0.89% |
| 6 | 91,922 | -1,248.00 | -1.34% | 61,409 | 66.81% | 13,403 | 14.58% | 13,087 | 14.24% | 1,907 | 2.07% | 1,272 | 1.38% |
| 7 | 90,593 | -2,577.00 | -2.77% | 41,242 | 45.52% | 8,164 | 9.01% | 38,231 | 42.20% | 742 | 0.82% | 1,498 | 1.65% |
| 8 | 92,844 | -326.00 | -0.35% | 42,883 | 46.19% | 5,990 | 6.45% | 41,757 | 44.98% | 228 | 0.25% | 1,283 | 1.38% |
| 9 | 95,616 | 2,446.00 | 2.63% | 20,073 | 20.99% | 60,328 | 63.09% | 7,818 | 8.18% | 2,271 | 2.38% | 2,924 | 3.06% |
| 10 | 94,252 | 1,082.00 | 1.16% | 25,710 | 27.28% | 21,747 | 23.07% | 35,422 | 37.58% | 5,700 | 6.05% | 2,399 | 2.55% |
| 11 | 97,373 | 4,203.00 | 4.51% | 31,506 | 32.36% | 41,977 | 43.11% | 14,771 | 15.17% | 4,668 | 4.79% | 2,820 | 2.90% |
| 12 | 97,778 | 4,608.00 | 4.95% | 19,235 | 19.67% | 43,867 | 44.86% | 19,919 | 20.37% | 8,601 | 8.80% | 3,521 | 3.60% |
| 13 | 95,921 | 2,751.00 | 2.95% | 15,291 | 15.94% | 65,088 | 67.86% | 5,981 | 6.24% | 4,739 | 4.94% | 2,809 | 2.93% |
| 14 | 89,922 | -3,248.00 | -3.49% | 30,184 | 33.57% | 43,968 | 48.90% | 8,163 | 9.08% | 3,872 | 4.31% | 3,094 | 3.44% |
| | 1,304,379 | | 8.43% | 551,174 | 42.26% | 366,393 | 28.09% | 298,764 | 22.90% | 40,191 | 3.08% | 29,528 | 2.26% |

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 | 63,783 | 48,105 | 75.42% | 4,517 | 7.08% | 10,196 | 15.99% | 146 | 0.23% | 819 | 1.28% |
| 6 | 68,627 | 42,847 | 62.43% | 12,098 | 17.63% | 10,503 | 15.30% | 1,907 | 2.78% | 1,272 | 1.85% |
| 7 | 66,011 | 27,667 | 41.91% | 7,152 | 10.83% | 28,952 | 43.86% | 742 | 1.12% | 1,498 | 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 | 73,883 | 14,081 | 19.06% | 48,511 | 65.66% | 6,096 | 8.25% | 2,271 | 3.07% | 2,924 | 3.96% |
| 10 | 70,400 | 17,540 | 24.91% | 18,227 | 25.89% | 26,534 | 37.69% | 5,700 | 8.10% | 2,399 | 3.41% |
| 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 - 42 out of 443 Neighborhood Associations

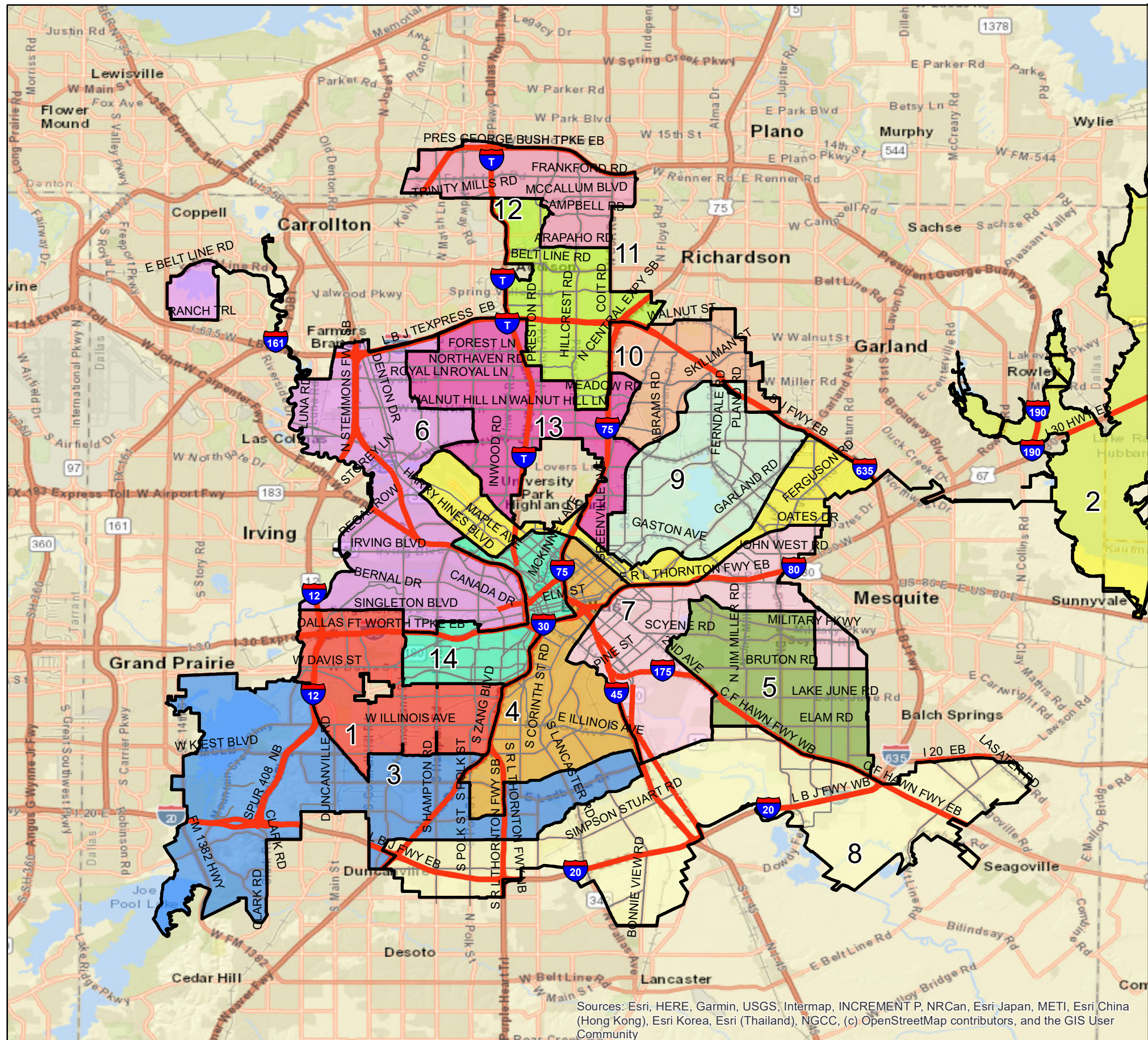
3. Compactness analysis for each district:

| 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 | 21.03 | 22.64 | 0.35 | 0.52 | 0.82 | 0.72 |
| District 6 | 38.43 | 69.39 | 0.16 | 0.10 | 0.42 | 0.32 |
| District 7 | 24.64 | 39.04 | 0.21 | 0.20 | 0.53 | 0.45 |
| District 8 | 53.35 | 64.03 | 0.16 | 0.16 | 0.60 | 0.40 |
| District 9 | 22.20 | 23.48 | 0.36 | 0.51 | 0.90 | 0.71 |
| District 10 | 12.95 | 25.62 | 0.33 | 0.25 | 0.68 | 0.50 |
| 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 | 12.44 | 25.68 | 0.28 | 0.24 | 0.56 | 0.49 |
| Average | 27.38 | 44.70 | 0.25 | 0.25 | 0.63 | 0.48 |



2021/22 City of Dallas Redistricting Plan Submission - COD-027-Felder on 4-3-22

Map Meets the Redistricting Criteria



| General Information | |
|--|------------------------|
| Plan-ID | COD-027-Felder |
| Submitted By | Kevin Felder |
| Submitted On | 4/3/2022 |
| Status | Meets Criteria |
| Deviation, Area and Perimeter | |
| Maximum Deviation | 8.43% |
| Average Area | 27.38 |
| Average Perimeter | 44.70 |
| Average Compactness Scores | |
| Average Reock Score | 0.25 |
| Average Polsby-Popper Score | 0.25 |
| Average Convex Hull Score | 0.63 |
| Average Schwartzberg Score | 0.48 |
| Minority Majority Districts | |
| Number of Minority/Plurality Districts | 9 (2 NH-Black, 7 Hisp) |
| Number of Neighborhood splits | 42 |

Highways

Districts

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

| | 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% | 507 | 0.55% | 930 | 1.01% |
| 2 | 91,450 | -1,720.00 | -1.85% | 44,517 | 48.68% | 29,452 | 32.21% | 10,142 | 11.09% | 3,864 | 4.23% | 2,408 | 2.63% |
| 3 | 91,186 | -1,984.00 | -2.13% | 34,006 | 37.29% | 7,864 | 8.62% | 45,455 | 49.85% | 1,256 | 1.38% | 1,660 | 1.82% |
| 4 | 91,503 | -1,667.00 | -1.79% | 38,914 | 42.53% | 13,558 | 14.82% | 34,430 | 37.63% | 1,690 | 1.85% | 2,091 | 2.29% |
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| 10 | 94,252 | 1,082.00 | 1.16% | 25,710 | 27.28% | 21,747 | 23.07% | 35,422 | 37.58% | 5,700 | 6.05% | 2,399 | 2.55% |
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| 13 | 95,921 | 2,751.00 | 2.95% | 15,291 | 15.94% | 65,088 | 67.86% | 5,981 | 6.24% | 4,739 | 4.94% | 2,809 | 2.93% |
| 14 | 89,922 | -3,248.00 | -3.49% | 30,184 | 33.57% | 43,968 | 48.90% | 8,163 | 9.08% | 3,872 | 4.31% | 3,094 | 3.44% |
| | 1,304,379 | | 8.43% | 551,174 | 42.26% | 366,393 | 28.09% | 298,764 | 22.90% | 40,191 | 3.08% | 29,528 | 2.26% |

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| 4 | 69,909 | 26,271 | 37.58% | 12,739 | 18.22% | 27,118 | 38.79% | 1,690 | 2.42% | 2,091 | 2.99% |
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| 9 | 73,883 | 14,081 | 19.06% | 48,511 | 65.66% | 6,096 | 8.25% | 2,271 | 3.07% | 2,924 | 3.96% |
| 10 | 70,400 | 17,540 | 24.91% | 18,227 | 25.89% | 26,534 | 37.69% | 5,700 | 8.10% | 2,399 | 3.41% |
| 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% |

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

