APPENDIX D

HUMAN RESOURCES OF THE SEP-HCP PLAN AREA

- POPULATION ESTIMATES AND PROJECTIONS
- HOUSING CHARACTERISTICS AND PROJECTIONS
- LAND USE SUMMARY AND TRENDS

Southern Edwards Plateau Habitat Conservation Plan Population Estimates and Projections

The Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) has a Plan Area that covers 7 Texas counties, including Bexar, Medina, Bandera, Kerr, Kendall, Blanco, and Comal counties. This resource assessment reviews:

- Historic population trends;
- · Current population estimates;
- Projected future population estimates between 2010 and 2040;

Population growth is one of the primary drivers of future economic growth and land development. As such, this review and analysis of population data for the Plan Area supports and is a major component of the SEP-HCP land use analysis.

Historic Population Trends

Table 1 shows the total decennial census population compiled by the U.S. Census Bureau (USCB) for the State of Texas, the 7-County SEP-HCP Plan Area, and individual Plan Area counties for 1960 through 2000.

TABLE 1. Total Population by Decennial Census: 1960 to 2000.

| Area - | Census Year | | | | | | |
|-----------------------|-------------|------------|------------|------------|------------|--|--|
| | 1960 | 1970 | 1980 | 1990 | 2000 | | |
| State of Texas | 9,579,677 | 11,196,730 | 14,229,191 | 16,986,510 | 20,851,820 | | |
| 7-County Plan Area | 756,137 | 909,606 | 1,099,590 | 1,331,965 | 1,603,715 | | |
| Bexar County | 687,151 | 830,460 | 988,800 | 1,185,394 | 1,392,931 | | |
| Medina County | 18,904 | 20,249 | 23,164 | 27,312 | 39,304 | | |
| Bandera County | 3,892 | 4,747 | 7,084 | 10,562 | 17,645 | | |
| Kerr County | 16,800 | 19,454 | 28,780 | 36,304 | 43,653 | | |
| Kendall County | 5,889 | 6,964 | 10,635 | 14,589 | 23,743 | | |
| Blanco County | 3,657 | 3,567 | 4,681 | 5,972 | 8,418 | | |
| Comal County | 19,844 | 24,165 | 36,446 | 51,832 | 78,021 | | |

SOURCE: USCB (1995) and USCB (2000)

The Plan Area added approximately 847,578 people between 1960 and 2000, which represented an increase of approximately 112% over 40 years. The average annual rate of population growth



within the Plan Area was approximately 2.8% during this time period. This rate of growth was slightly lower than the overall population growth for the State of Texas, which was approximately 118% between 1960 and 2000 (an average annual growth rate of approximately 2.9%).

Between 1960 and 2000, Bexar County has had the largest portion of the Plan Area population, representing approximately 87% to 91% of the total Plan Area population in each decade. Bexar County added approximately 705,780 new people during this time period, with a growth rate of approximately 103% over the period and an average annual growth rate of approximately 2.6%. This rate of growth was slightly lower than for the Plan Area as a whole.

Bandera, Kendall, and Comal counties experienced the highest rates of growth between 1960 and 2000, with population increases of approximately 353%, 303%, and 293%, respectively. The average annual rates of growth in these counties were between approximately 8.8% and 7.3%. However, the combined population increase within these three counties only totaled approximately 89,784 new people, which represented approximately 10.6% of the total population increase within the Plan Area.

Table 2 summarizes population changes within the Plan Area between 1960 and 2000.

TABLE 2. Population Changes Between 1960 and 2000.

| Area | Population Change | % Population Change | Average Annual Population Change | % Average Annual Population Change |
|-----------------------|----------------------|------------------------|--|---|
| State of Texas | 11,272,143 | 118% | 281,804 | 2.9% |
| 7-County Plan Area | 847,578 | 112% | 21,189 | 2.8% |
| Bexar County | 705,780 | 103% | 17,645 | 2.6% |
| Medina County | 20,400 | 108% | 510 | 2.7% |
| Bandera County | 13,753 | 353% | 344 | 8.8% |
| Kerr County | 26,853 | 160% | 671 | 4.0% |
| Kendall County | 17,854 | 303% | 446 | 7.6% |
| Blanco County | 4,761 | 130% | 119 | 3.3% |
| Comal County | 58,177 | 293% | 1,454 | 7.3% |

SOURCE: USCB (1995) and USCB (2000a)

Current Population Estimates

Census 2010 data are not currently available from the USCB. Therefore, multiple sources of current (i.e., Year 2010) population estimates for the Plan Area were reviewed, including estimates from the Texas State Data Center (TSDC), ESRI Business Solutions (ESRI BIS), and Woods & Poole Economics (W&P).



The ESRI BIS data provided the basis for the sector-level population projections for the Plan Area (see below for more information).

Table 3 shows various population projections for Year 2010.

TABLE 3. Census 2000 Population and 2010 Population Estimates.

| Area | Census 2000 Population | TSDC 2010 Population (Scenario 2000-2007) | W&P 2010 Population | ESRI BIS 2010 Population |
|-----------------------|---------------------------|---|------------------------|-----------------------------|
| State of Texas | 20,851,820 | 25,373,947 | 25,113,150 | 25,268,853 |
| 7-County Plan Area | 1,603,715 | 1,917,113 | 1,952,556 | 1,953,376 |
| Bexar County | 1,392,931 | 1,636,642 | 1,675,880 | 1,672,187 |
| Medina County | 39,304 | 45,657 | 45,476 | 45,782 |
| Bandera County | 17,645 | 21,266 | 21,033 | 21,615 |
| Kerr County | 43,653 | 46,829 | 49,792 | 48,455 |
| Kendall County | 23,743 | 35,351 | 35,261 | 35,591 |
| Blanco County | 8,418 | 10,348 | 9,596 | 9,590 |
| Comal County | 78,021 | 121,020 | 115,518 | 120,156 |

SOURCE: USCB (2000), TSDC (2009), ESRI BIS (2009), W&P (2010).

The total population of the 7-county Plan Area in 2010 is estimated at approximately 1.95 million people, with approximately 86% of the estimated population occurring in Bexar County. Between 2000 and 2010, the population of the Plan Area is estimated to have grown by approximately 350,000 people with a growth rate of approximately 22% over the decade. This rate of growth was slightly higher than the rate of population growth for the State of Texas overall (estimated at 21% between 2000 and 2010). The estimated average annual population increase in the Plan Area between 2000 and 2010 was approximately 35,000 people, or an estimated average annual growth rate of approximately 2.2%.

Comal and Kendall counties exhibited the fastest growth rates of the seven counties in the Plan Area, with estimated growth rates of approximately 54% and 50% between 2000 and 2010, respectively. However, the estimated population growth in these two counties represented only 15% of the total population increase in the Plan between 2000 and 2010. Bexar County added the most population to the Plan Area (approximately 279,000 people) during that period. Kerr County had the lowest estimated growth rate of the counties in the Plan Area, with only an estimated 11% population increase between 2000 and 2010.

Table 4 summarizes estimated population changes in the Plan Area between 2000 and 2010, based on Census 2000 data and the population estimates provided by ESRI BIS.

TABLE 4. Estimated Population Changes Between 2000 and 2010.

| Area | Population Change 2000 - 2010 | % Population Change 2000 - 2010 | Average Annual Population Change 2000 - 2010 | % Average Annual Population Change 2000 - 2010 |
|-----------------------|-------------------------------------|---------------------------------------|--|--|
| State of Texas | 4,417,033 | 21% | 441,703 | 2.1% |
| 7-County Plan Area | 349,661 | 22% | 34,966 | 2.2% |
| Bexar County* | 279,256 | 20% | 27,926 | 2.0% |
| Medina County | 6,478 | 16% | 648 | 1.6% |
| Bandera County | 3,970 | 22% | 397 | 2.2% |
| Kerr County | 4,802 | 11% | 480 | 1.1% |
| Kendall County | 11,848 | 50% | 1,185 | 5.0% |
| Blanco County | 1,172 | 14% | 117 | 1.4% |
| Comal County | 42,135 | 54% | 4,214 | 5.4% |

SOURCE: USCB (2000) and ESRI BIS (2009)

County-level Population Projections 2010 to 2040

The SEP-HCP has a planning duration of 30 years, extending from 2010 until 2040. Published state and county-level population projections are available from the TSDC and W&P, and ESRI BIS population and demographic data were available at the census tract level for 2009 and 2014. Wendell Davis & Associates (WDA) extended the ESRI BIS projections to 2040 using a least squares forecasting formula.

WDA used the published population projections and other data (including regional housing and land use data) to develop a specific population projection for the SEP-HCP Plan Area. WDA refined the ESRI BIS projections to adjust for anticipated housing patterns at a "sector" level. Sector boundaries were based on USCB census tract boundaries, and SEP-HCP sectors included one or more adjacent census tracts. Some portions of Bexar County were not included in a sector if they did not contain habitat for the species covered by the Plan (i.e., parts of central and southeastern Bexar County) or were primarily federal lands (i.e., Camp Bullis) that would not be eligible to participate in the Plan for incidental take coverage. The WDA sector-level population projections were primary components of the SEP-HCP land use analysis.

Table 5 reports various decadal population projections for the Plan Area between 2010 and 2040. Figure 1 graphically compares the projected population estimates reported in Table 5.

TABLE 5. Population Projections for the Plan Area by Decade Between 2010 and 2040.

| | TSDC Scenario 2000 - 2007 | | | | | |
|---------------------|---------------------------|------------|------------|------------|--|--|
| Area | 2010 | 2020 | 2030 | 2040 | | |
| State of Texas | 25,373,947 | 30,858,449 | 37,285,486 | 44,872,038 | | |
| 7-County Plan Area | 1,917,113 | 2,234,172 | 2,524,273 | 2,768,884 | | |
| Bexar County | 1,636,642 | 1,870,589 | 2,078,549 | 2,253,060 | | |
| Medina County | 45,657 | 50,971 | 53,933 | 54,063 | | |
| Bandera County | 21,266 | 24,406 | 25,737 | 25,238 | | |
| Kerr County | 46,829 | 49,343 | 49,149 | 46,241 | | |
| Kendall County | 35,351 | 49,401 | 62,749 | 74,353 | | |
| Blanco County | 10,348 | 12,357 | 13,773 | 14,313 | | |
| Comal County | 121,020 | 177,105 | 240,383 | 301,616 | | |
| SOURCE: TSDC (2009) | | | | | | |

| | Woods & Poole Economics | | | | |
|--------------------|-------------------------|------------|------------|------------|--|
| Area | 2010 | 2020 | 2030 | 2040 | |
| State of Texas | 25,113,150 | 29,139,680 | 33,276,490 | 37,573,000 | |
| 7-County Plan Area | 1,952,556 | 2,286,023 | 2,628,218 | 2,974,011 | |
| Bexar County | 1,675,880 | 1,947,495 | 2,226,867 | 2,509,440 | |
| Medina County | 45,476 | 51,690 | 58,136 | 64,680 | |
| Bandera County | 21,033 | 24,759 | 28,576 | 32,431 | |
| Kerr County | 49,792 | 57,610 | 65,663 | 73,814 | |
| Kendall County | 35,261 | 47,133 | 59,048 | 70,978 | |
| Blanco County | 9,596 | 12,195 | 14,840 | 17,507 | |
| Comal County | 115,518 | 145,141 | 175,088 | 205,161 | |

SOURCE: W&P (2010)

| | | ESRI | | |
|--------------------|------------|------------|------------|------------|
| Area | 2010 | 2020 | 2030 | 2040 |
| State of Texas | 25,268,853 | 29,640,698 | 34,029,392 | 38,418,087 |
| 7-County Plan Area | 1,953,376 | 2,312,155 | 2,676,093 | 3,040,161 |
| Bexar County | 1,672,187 | 1,955,272 | 2,242,923 | 2,530,873 |
| Medina County | 45,782 | 52,342 | 59,009 | 65,684 |
| Bandera County | 21,615 | 25,690 | 29,824 | 33,960 |
| Kerr County | 48,455 | 53,048 | 57,756 | 62,484 |
| Kendall County | 35,591 | 48,320 | 61,149 | 73,951 |
| Blanco County | 9,590 | 10,658 | 11,760 | 12,870 |
| Comal County | 120,156 | 166,825 | 213,671 | 260,340 |

SOURCE: ESRI BIS (2009) and WDA (2010)

TABLE 5. Population Projections for the Plan Area by Decade Between 2010 and 2040.

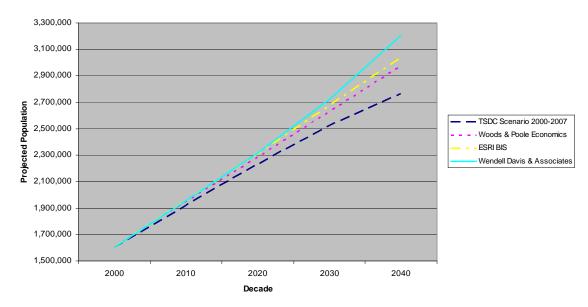
| | Wendell Davis and Associates | | | | | |
|--------------------|------------------------------|-----------|-----------|-----------|--|--|
| Area | 2010 | 2020 | 2030 | 2040 | | |
| State of Texas | n/a | n/a | n/a | n/a | | |
| 7-County Plan Area | 1,957,797 | 2,318,780 | 2,722,881 | 3,205,229 | | |
| Bexar County* | 1,672,187 | 1,955,272 | 2,242,923 | 2,530,873 | | |
| Medina County | 46,719 | 53,381 | 78,343 | 143,303 | | |
| Bandera County | 22,141 | 26,406 | 30,205 | 34,004 | | |
| Kerr County | 49,533 | 56,374 | 61,447 | 80,059 | | |
| Kendall County | 36,081 | 47,516 | 60,099 | 71,442 | | |
| Blanco County | 9,881 | 11,423 | 12,700 | 14,028 | | |
| Comal County | 121,255 | 168,408 | 237,164 | 331,520 | | |

SOURCE: ESRI BIS (2009) and WDA (2010)

NOTES:

*Bexar County data are taken from the ESRI BIS projections, since the adjusted Wendell Davis &Associates projections only address a portion of the county as reported in Table 7.

FIGURE 1. Population Projections for the 7-county SEP-HCP Plan Area.



The WDA population projection is the most aggressive of the four projections evaluated for this assessment. However, WDA estimates that the average annual rate of population change across the Plan Area will be approximately 2.1 percent per year between 2010 and 2040, which is slightly lower than the historic rate of growth for this area (2.8 percent average annual growth between 1960 and 2000).

Between 2010 and 2040, the population of the Plan Area is projected to increase by approximately 1,247,000 people (an increase of approximately 64 percent over 30 years) (Table 6). Most of the new population (approximately 86 percent of the total increase) will be added to Bexar and Comal counties. Blanco and Bandera counties are expected to have the smallest increase in population during this time period. Although, Medina County is projected to experience the largest percent increase in population of the seven Plan Area counties. Table 6

summarizes the projected county-level population changes, based primarily on the WDA estimates.

TABLE 6. WDA Estimated County-level Population Changes Between 2010 and 2040.

| Area | Population Change 2010 - 2040 | % Population Change 2010 - 2040 | Average Annual Population Change 2010 - 2040 | % Average Annual Population Change 2010 - 2040 |
|-----------------------|-------------------------------------|---------------------------------------|--|--|
| State of Texas* | 13,149,234 | 52% | 438,308 | 1.7% |
| 7-County Plan Area | 1,247,432 | 64% | 41,581 | 2.1% |
| Bexar County* | 858,686 | 51% | 28,623 | 1.7% |
| Medina County | 96,584 | 207% | 3,219 | 6.9% |
| Bandera County | 11,863 | 54% | 395 | 1.8% |
| Kerr County | 30,526 | 62% | 1,018 | 2.1% |
| Kendall County | 35,361 | 98% | 1,179 | 3.3% |
| Blanco County | 4,147 | 42% | 138 | 1.4% |
| Comal County | 210,265 | 173% | 7,009 | 5.8% |

SOURCE: ESRI BIS (2009) and WDA (2010)

NOTES:

Sector-level Population Projections 2010 - 2040

Figure 2 shows the boundaries of the SEP-HCP sectors, and note that only the portion of Bexar County that is relevant to the assessment of impacts for the covered species is included in the sector analysis. Table 7 summarizes the current and projected future population estimates for the 34 SEP-HCP sectors for each decade between 2000 and 2040. Table 8 summarizes estimated sector-level population changes for the same time period.

^{*} ESRI BIS projections are used for the State of Texas and Bexar County as a whole, since the WDA projections do not completely address these geographic areas.

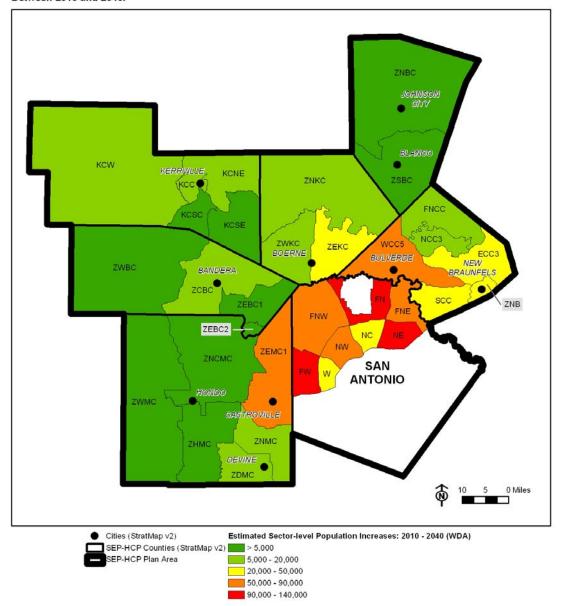


FIGURE 2. SEP-HCP Sectors and the Relative Magnitude of Projected Sector-level Population Increases Between 2010 and 2040.

TABLE 7. Sector-level Population Projections for the Plan Area* by Decade Between 2000 and 2040.

| County | SEP-HCP Sector | Census 2000 Population | Estimated Population 2010 | Estimated Population 2020 | Estimated Population 2030 | Estimated Population 2040 |
|---------|-------------------|------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Bandera | ZCBC | 7,897 | 9,624 | 11,975 | 13,706 | 15,437 |
| Bandera | ZEBC1 | 4,968 | 5,921 | 7,408 | 8,513 | 9,618 |
| Bandera | ZEBC2 | 2,328 | 2,774 | 3,450 | 3,940 | 4,430 |
| Bandera | ZWBC | 2,452 | 2,902 | 3,573 | 4,046 | 4,520 |

TABLE 7. Sector-level Population Projections for the Plan Area* by Decade Between 2000 and 2040.

| County | SEP-HCP Sector | Census 2000 Population | Estimated Population 2010 | Estimated Population 2020 | Estimated Population 2030 | Estimated Population 2040 |
|---------|-------------------|------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Bexar | FN | 22,356 | 61,862 | 134,037 | 184,370 | 184,370 |
| Bexar | FNE | 10,947 | 29,668 | 89,043 | 105,302 | 105,302 |
| Bexar | FNW | 22,927 | 56,865 | 99,247 | 130,182 | 130,182 |
| Bexar | FW | 11,011 | 24,715 | 104,067 | 162,387 | 162,387 |
| Bexar | NC | 101,806 | 111,088 | 117,617 | 125,164 | 133,210 |
| Bexar | NE | 127,198 | 142,158 | 193,728 | 245,583 | 256,068 |
| Bexar | NW | 182,681 | 212,226 | 234,920 | 253,296 | 263,805 |
| Bexar | W | 56,640 | 89,928 | 109,602 | 110,334 | 110,334 |
| Blanco | ZNBC | 3,873 | 4,450 | 5,435 | 6,073 | 6,763 |
| Blanco | ZSBC | 4,545 | 5,054 | 5,988 | 6,627 | 7,265 |
| Comal | FNCC | 8,136 | 11,719 | 19,431 | 24,823 | 30,216 |
| Comal | ECC3 | 6,465 | 13,139 | 22,483 | 30,530 | 35,716 |
| Comal | NCC3 | 9,670 | 12,598 | 16,797 | 20,403 | 26,116 |
| Comal | SCC | 6,756 | 10,758 | 17,547 | 33,003 | 54,457 |
| Comal | WCC5 | 12,938 | 23,149 | 36,917 | 63,606 | 110,650 |
| Comal | ZNB | 34,056 | 43,863 | 55,233 | 64,799 | 74,365 |
| | | | | | | |
| Kendall | ZEKC | 11,425 | 17,373 | 25,387 | 32,020 | 38,653 |
| Kendall | ZNKC | 5,507 | 7,459 | 9,316 | 12,437 | 14,318 |
| Kendall | ZWKC | 6,811 | 9,460 | 12,813 | 15,642 | 18,471 |
| Kerr | KCC | 22,018 | 24,178 | 26,857 | 26,858 | 39,644 |
| Kerr | KCNE | 4,482 | 4,965 | 7,615 | 9,852 | 12,477 |
| Kerr | KCSC | 4,101 | 4,402 | 5,081 | 5,537 | 6,129 |
| Kerr | KCSE | 3,450 | 3,773 | 4,279 | 4,647 | 5,622 |
| Kerr | KCW | 9,602 | 10,735 | 12,541 | 14,553 | 16,187 |
| Medina | ZDMC | 6,780 | 7,827 | 9,245 | 10,285 | 13,719 |
| Medina | ZEMC1 | 10,774 | 12,788 | 15,521 | 30,500 | 85,558 |
| Medina | ZHMC | 4,699 | 4,944 | 5,399 | 5,695 | 6,782 |
| Medina | ZNCMC | 6,931 | 7,360 | 8,152 | 9,500 | 10,348 |
| Medina | ZNMC | 8,502 | 10,306 | 12,706 | 19,137 | 23,097 |
| Medina | ZWMC | 1,618 | 1,935 | 2,358 | 3,225 | 3,799 |

SOURCE: Wendell Davis & Associates (2010)

NOTES:

^{*}Only a portion of Bexar County is included in the sector-level analysis. County-level summaries are included in Table 5.

TABLE 8. Estimated Population Changes for SEP-HCP Sectors Between 2010 and 2040.

| | | Julation Onlanges | | | |
|---------|----------|-------------------|---------------|---------------|---------------|
| | 055 1105 | Population | % Population | Average | % Average |
| County | SEP-HCP | Change 2010 - | Change 2010 - | Annual | Annual |
| | Sector | 2040 | 2040 | Change 2010 - | Change 2010 - |
| | | 20.0 | 20.0 | 2040 | 2040 |
| Bandera | ZCBC | 5,813 | 60% | 194 | 2.0% |
| Bandera | ZEBC1 | 3,697 | 62% | 123 | 2.1% |
| Bandera | ZEBC2 | 1,656 | 60% | 55 | 2.0% |
| Bandera | ZWBC | 1,618 | 56% | 54 | 1.9% |
| | | | | | |
| Bexar | FN | 122,508 | 198% | 4,084 | 6.6% |
| Bexar | FNE | 75,634 | 255% | 2,521 | 8.5% |
| Bexar | FNW | 73,317 | 129% | 2,444 | 4.3% |
| Bexar | FW | 137,672 | 557% | 4,589 | 18.6% |
| Bexar | NC | 22,122 | 20% | 737 | 0.7% |
| Bexar | NE | 113,910 | 80% | 3,797 | 2.7% |
| Bexar | NW | 51,579 | 24% | 1,719 | 0.8% |
| Bexar | W | 20,406 | 23% | 680 | 0.8% |
| Dona. | • • | 20,100 | 2070 | 000 | 0.070 |
| Blanco | ZNBC | 2,313 | 52% | 77 | 1.7% |
| Blanco | ZSBC | 2,211 | 44% | 74 | 1.5% |
| Diarico | 2000 | 2,211 | 44 /0 | 74 | 1.570 |
| Comal | FNCC | 18,497 | 158% | 617 | 5.3% |
| Comal | ECC3 | 22,577 | 172% | 753 | 5.7% |
| Comal | NCC3 | 13,518 | 107% | 753 451 | 3.6% |
| Comal | SCC | · | 406% | 1,457 | 13.5% |
| Comal | WCC5 | 43,699 | | | |
| | | 87,501 | 378% | 2,917 | 12.6% |
| Comal | ZNB | 30,502 | 70% | 1,017 | 2.3% |
| Kendall | ZEKC | 21,280 | 122% | 709 | 4.1% |
| Kendall | ZNKC | 6,859 | 92% | 229 | 3.1% |
| Kendall | | · | | | |
| Rendan | ZWKC | 9,011 | 95% | 300 | 3.2% |
| Kerr | KCC | 15,466 | 64% | 516 | 2.1% |
| Kerr | KCNE | 7,512 | 151% | 250 | 5.0% |
| Kerr | KCSC | 1,727 | 39% | 58 | 1.3% |
| | | , | | | |
| Kerr | KCSE | 1,849 | 49% | 62 | 1.6% |
| Kerr | KCW | 5,452 | 51% | 182 | 1.7% |
| Medina | 7DMC | E 000 | 750/ | 400 | 0.50/ |
| | ZDMC | 5,892 | 75% | 196 | 2.5% |
| Medina | ZEMC1 | 72,770 | 569% | 2,426 | 19.0% |
| Medina | ZHMC | 1,838 | 37% | 61 | 1.2% |
| Medina | ZNCMC | 2,988 | 41% | 100 | 1.4% |
| Medina | ZNMC | 12,791 | 124% | 426 | 4.1% |
| Medina | ZWMC | 1,864 | 96% | 62 | 3.2% |

SOURCE: WDA (2010)

NOTES: Only a portion of Bexar County is included in the sector-level analysis. County-level summaries are included in Table 6.



Generally, the largest population increases between 2010 and 2040 are projected to occur in Bexar County sectors, particularly around Camp Bullis, along Interstate Highway 35, and the far west side of the county. Other high-growth areas include sectors in Comal, eastern Medina, and southern Kendall counties. The sectors with projected population increases of greater than 20,000 people (a combined increase of approximately 896,000 people) represent approximately 88% percent of the total projected population growth for all sectors in the study.

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Southern Edwards Plateau Habitat Conservation Plan Housing Characteristics and Projections

The Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) has a Plan Area that covers 7 Texas counties, including Bexar, Medina, Bandera, Kerr, Kendall, Blanco, and Comal counties. This resource assessment reviews:

- Current housing characteristics; and
- Projected future housing estimates between 2010 and 2040.

This review and analysis of housing data for the Plan Area builds upon the information presented in the <u>Population Estimates and Projections</u> resource assessment. Regional housing characteristics and housing market trends influence the geographic distribution of the population and contribute to how land uses change over time.

This assessment is based primarily on housing information collected from the U.S. Census Bureau (USCB) and county appraisal districts by Wendell Davis & Associates (WDA) (USCB 2000, WDA 2010). Summaries of housing characteristics are reported for the Plan Area as a whole, for individual counties, and for each of 34 individual "sectors" that are comprised of one or more adjacent Census 2000 census tracts. However, this analysis excludes the southern half of Bexar County, since the southern portions of the county do not contain habitat for the species covered by the SEP-HCP. The analysis also excludes Camp Bullis, since this military installation would not be eligible to participate in the Plan for incidental take coverage and is not subject to the same types of factors that drive population and housing changes in the rest of the Plan Area. Therefore, information reported for Bexar County and for the Plan Area is limited to the areas included in the SEP-HCP sectors, as shown in Figure 1.

Current Housing Characteristics

Housing data collected from the USCB Census 2000 (the most recent census data available) included the following with definitions provided by the USCB American Fact Finder Glossary (USCB 2000):

- **Total Population** the total number of persons counted by the 2000 Census.
- **Population in Households** the number of persons living in housing units as their usual place of residence.
- **Group Quarters Population** the number of persons living in group quarters, such as correctional institutions, nursing homes, juvenile institutions, college dormitories, military quarters, and group homes.
- Housing Units a house, an apartment, a mobile home or trailer, a group of rooms, or a single room occupied as separate living quarters, or if vacant, intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants live separately from any other individuals in the building and which have direct access from outside the building or through a common hall.
- **Households** a household includes all persons who occupy a housing unit as their usual place of residence.

Table 1 summarizes these Census 2000 housing data for the Plan Area at the sector level. Table 1 also includes two additional summary statistics based on this data: the **Population per Household** (the average number of persons in a household; excludes the group quarters population) and **Occupancy Rate for Housing Units** (the ratio of households to housing units).

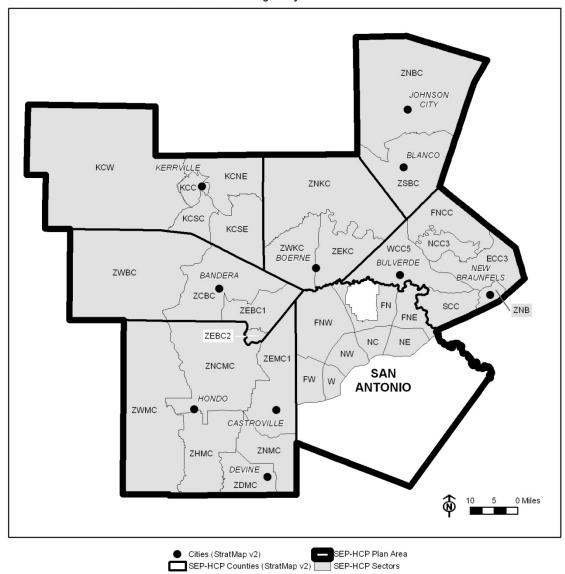


FIGURE 1. SEP-HCP Sectors Included in the Housing Analysis.

TABLE 1. Sector-level Census 2000 Data for Households and Housing Units.

| County | SEP- HCP Sector | Total Pop. | Pop. in House- holds | Group Quarters Pop. | Number of Housing Units | Number of House- holds | Pop. per House -hold | Housing Unit Occupancy Rate |
|---------|-----------------------|---------------|----------------------------|---------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------------|
| Bandera | ZCBC | 7,897 | 7,840 | 57 | 3,734 | 3,153 | 2.49 | 84% |
| Bandera | ZEBC1 | 4,968 | 4,968 | - | 2,300 | 1,838 | 2.70 | 80% |
| Bandera | ZEBC2 | 2,328 | 2,328 | - | 1,805 | 1,018 | 2.29 | 56% |
| Bandera | ZWBC | 2,452 | 2,328 | 124 | 1,664 | 1,001 | 2.33 | 60% |
| Bande | ra County | 17,645 | 17,464 | 181 | 9,503 | 7,010 | 2.49 | 74% |
| _ | | | | | | | | |
| Bexar | FN | 22,356 | 22,353 | 3 | 8,287 | 7,707 | 2.90 | 93% |
| Bexar | FNE | 10,947 | 10,840 | 107 | 3,635 | 3,513 | 3.09 | 97% |



TABLE 1. Sector-level Census 2000 Data for Households and Housing Units.

| County | SEP- HCP Sector | Total Pop. | Pop. in House- holds | Group Quarters Pop. | Number of Housing Units | Number of House- holds | Pop. per House -hold | Housing Unit Occupancy Rate |
|----------|-----------------------|---------------|----------------------------|---------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------------|
| Bexar | FNW | 22,927 | 22,850 | 77 | 8,872 | 8,441 | 2.71 | 95% |
| Bexar | FW | 11,011 | 10,915 | 96 | 4,012 | 3,857 | 2.83 | 96% |
| Bexar | NC | 101,806 | 101,273 | 533 | 47,162 | 43,715 | 2.32 | 93% |
| Bexar | NE | 127,198 | 126,553 | 645 | 52,206 | 49,394 | 2.56 | 95% |
| Bexar | NW | 182,681 | 180,432 | 2,249 | 73,993 | 70,413 | 2.56 | 95% |
| Bexar | W | 56,640 | 56,601 | 39 | 19,465 | 18,645 | 3.04 | 96% |
| Bexar C | County* | 535,566 | 531,817 | 3,749 | 217,632 | 205,685 | 2.59 | 95% |
| | | | | | | | | |
| Blanco | ZNBC | 3,873 | 3,819 | 54 | 1,923 | 1,542 | 2.48 | 80% |
| Blanco | ZSBC | 4,545 | 4,446 | 99 | 2,108 | 1,761 | 2.52 | 84% |
| Blanco | County | 8,418 | 8,265 | 153 | 4,031 | 3,303 | 2.50 | 82% |
| Comal | FNCC | 8,136 | 8,124 | 12 | 4,007 | 3,199 | 2.54 | 80% |
| Comal | ECC3 | 6,465 | 6,452 | 13 | 2,454 | 2,291 | 2.82 | 93% |
| Comal | NCC3 | 9,670 | 9,631 | 39 | 5,047 | 4,042 | 2.38 | 80% |
| Comal | SCC | 6,756 | 6,751 | 5 | 2,458 | 2,347 | 2.88 | 95% |
| Comal | WCC5 | 12,938 | 12,913 | 25 | 4,808 | 4,503 | 2.87 | 94% |
| Comal | ZNB | 34,056 | 32,884 | 1,172 | 13,944 | 12,684 | 2.59 | 91% |
| Comal | County | 78,021 | 76,755 | 1,266 | 32,718 | 29,066 | 2.64 | 89% |
| | | | | | | | | |
| Kendall | ZEKC | 11,425 | 11,049 | 376 | 4,320 | 4,062 | 2.72 | 94% |
| Kendall | ZNKC | 5,507 | 5,404 | 103 | 2,600 | 2,060 | 2.62 | 79% |
| Kendall | ZWKC | 6,811 | 6,811 | - | 2,689 | 2,491 | 2.73 | 93% |
| Kendali | I County | 23,743 | 23,264 | 479 | 9,609 | 8,613 | 2.70 | 90% |
| Kerr | KCC | 22,018 | 20,878 | 1,140 | 9,832 | 9,012 | 2.32 | 92% |
| Kerr | KCNE | 4,482 | 4,215 | 267 | 2,036 | 1,848 | 2.28 | 91% |
| Kerr | KCSC | 4,101 | 4,089 | 12 | 1,944 | 1,757 | 2.33 | 90% |
| Kerr | KCSE | 3,450 | 3,426 | 24 | 1,584 | 1,737 | 2.55 | 85% |
| Kerr | KCW | 9,602 | 9,274 | 328 | 4,832 | 3,851 | 2.41 | 80% |
| Kerr Co | | 43,653 | 41,882 | 1,771 | 20,228 | 17,813 | 2.35 | 88% |
| 110.11 | , and | 10,000 | ,552 | ., | 20,220 | ,0.0 | 2.00 | 0070 |
| Medina | ZDMC | 6,780 | 6,639 | 141 | 2,594 | 2,346 | 2.83 | 90% |
| Medina | ZEMC1 | 10,774 | 10,687 | 87 | 4,136 | 3,640 | 2.94 | 88% |
| Medina | ZHMC | 4,699 | 4,674 | 25 | 1,951 | 1,688 | 2.77 | 87% |
| Medina | ZNCMC | 6,931 | 5,513 | 1,418 | 2,325 | 1,938 | 2.84 | 83% |
| Medina | ZNMC | 8,502 | 8,441 | 61 | 3,035 | 2,679 | 3.15 | 88% |
| Medina | ZWMC | 1,618 | 1,618 | - | 785 | 589 | 2.75 | 75% |
| Medina | County | 39,304 | 37,572 | 1,732 | 14,826 | 12,880 | 2.92 | 87% |
| 7-COUNTY | , | | | | | | | |
| PLAN ARE | | 746,350 | 737,019 | 9,331 | 308,547 | 284,370 | 2.59 | 92% |

Source: USCB 2000 and WDA 2010.

Notes:



^{*}Includes only portions of Bexar County and the Plan Area that are within a SEP-HCP sector.

Single-family residential land use is the dominant type of developed land use across the Plan Area (see the <u>Land Use and Development</u> resource assessment for more information) and the construction of new single-family housing is a primary driver of land development patterns. WDA estimated the number of single-family housing units from county appraisal district data circa 2009. WDA assumed that the number of parcels classified by the county appraisal districts as single-family residential use approximated the number of single-family housing units. WDA also assumed that the difference between the total number of housing units (based on census data) and the estimated number of single-family housing units (based on appraisal district data) approximated the number of non-single-family housing units.

To properly relate the time period of the census data (circa 2000) with the county appraisal district data (circa 2009), the housing-related census data was projected forward to 2009 based on the WDA population projections described in the <u>Population Estimates and Projections</u> resource assessment. Table 2 summarizes the 2009 projected census-based housing data and the single-family and non-single-family housing unit estimates based on county appraisal district data.

TABLE 2. 2009 Estimated Housing Data for SEP-HCP Sectors.

| County | Sector | Total Pop. | Pop. in House- holds | Number of House- holds | Total Number of Housing Units | Single- Family Housing Units | % Single- Family Housing Units | Non- Single- Family Housing Units |
|---------|----------|------------|----------------------------|------------------------------|--|---------------------------------------|---|---|
| Bandera | ZCBC | 9,624 | 9,567 | 3,811 | 4,567 | 2,815 | 62% | 1,752 |
| Bandera | ZEBC1 | 5,921 | 5,921 | 2,169 | 2,777 | 2,070 | 75% | 707 |
| Bandera | ZEBC2 | 2,774 | 2,774 | 1,201 | 2,152 | 1,620 | 75% | 532 |
| Bandera | ZWBC | 2,902 | 2,778 | 1,178 | 2,004 | 1,248 | 62% | 756 |
| Bander | a County | 21,221 | 21,040 | 8,359 | 11,500 | 7,753 | 67% | 3,747 |
| Bexar | FN | 61,862 | 61,859 | 20,719 | 30,874 | 23,183 | 75% | 7,691 |
| Bexar | FNE | 29,668 | 29,561 | 9,716 | 14,823 | 11,896 | 80% | 2,927 |
| Bexar | FNW | 56,865 | 56,788 | 20,425 | 21,995 | 20,141 | 92% | 1,060 |
| Bexar | FW | 24,715 | 24,619 | 8,700 | 12,968 | 10,167 | 78% | 2,801 |
| Bexar | NC | 111,088 | 110,555 | 47,135 | 51,571 | 27,642 | 54% | 23,929 |
| Bexar | NE | 142,158 | 141,513 | 53,804 | 70,657 | 41,405 | 59% | 29,252 |
| Bexar | NW | 212,226 | 209,977 | 80,642 | 86,198 | 51,592 | 60% | 24,056 |
| Bexar | W | 89,928 | 89,889 | 29,367 | 31,318 | 25,987 | 83% | 5,331 |
| Bexar | County* | 728,510 | 724,761 | 270,508 | 320,404 | 212,013 | 66% | 108,391 |
| Blanco | ZNBC | 4,450 | 4,396 | 1,753 | 2,228 | 1,675 | 75% | 553 |
| Blanco | ZSBC | 5,054 | 4,955 | 1,943 | 2,389 | 1,813 | 76% | 576 |
| Blanco | County | 9,504 | 9,351 | 3,696 | 4,617 | 3,488 | 76% | 1,129 |
| Comal | FNCC | 11,719 | 11,707 | 4,615 | 6,034 | 5,304 | 88% | 1,531 |
| Comal | ECC3 | 13,139 | 13,126 | 4,610 | 5,024 | 4,556 | 91% | 468 |
| Comal | NCC3 | 12,598 | 12,559 | 5,254 | 6,828 | 5,695 | 83% | 1,133 |
| Comal | SCC | 10,758 | 10,753 | 3,679 | 3,935 | 3,451 | 88% | 678 |
| Comal | WCC5 | 23,149 | 23,124 | 8,030 | 8,740 | 7,146 | 82% | 1,594 |
| Comal | ZNB | 43,863 | 42,691 | 16,435 | 18,446 | 10,987 | 60% | 7,459 |
| Comal | County | 115,226 | 113,960 | 42,623 | 49,007 | 37,139 | 76% | 11,868 |
| Kendall | ZEKC | 17,373 | 16,997 | 6,135 | 6,640 | 5,389 | 81% | 1,251 |
| Kendall | ZNKC | 7,459 | 7,356 | 2,776 | 3,677 | 1,470 | 40% | 2,207 |

TABLE 2. 2009 Estimated Housing Data for SEP-HCP Sectors.

| County | Sector | Total Pop. | Pop. in House- holds | Number of House- holds | Total Number of Housing Units | Single- Family Housing Units | % Single- Family Housing Units | Non- Single- Family Housing Units |
|---------|-----------|------------|----------------------------|------------------------------|--|---------------------------------------|---|---|
| Kendall | ZWKC | 9,460 | 9,460 | 3,457 | 3,856 | 2,451 | 64% | 1,405 |
| Kenda | II County | 34,292 | 33,813 | 12,368 | 14,173 | 9,310 | 66% | 4,863 |
| | | | | | | | | |
| Kerr | KCC | 24,178 | 23,038 | 9,876 | 10,949 | 8,348 | 76% | 3,334 |
| Kerr | KCNE | 4,965 | 4,698 | 2,054 | 2,336 | 1,239 | 53% | 1,452 |
| Kerr | KCSC | 4,402 | 4,390 | 1,879 | 2,137 | 1,983 | 93% | 154 |
| Kerr | KCSE | 3,773 | 3,749 | 1,475 | 1,779 | 952 | 54% | 827 |
| Kerr | KCW | 10,735 | 10,407 | 4,306 | 5,557 | 3,272 | 59% | 2,285 |
| Kerr C | ounty | 48,053 | 46,282 | 19,590 | 22,758 | 15,794 | 69% | 6,964 |
| | | | | | | | | |
| Medina | ZDMC | 7,827 | 7,686 | 2,722 | 3,013 | 1,828 | 61% | 1,185 |
| Medina | ZEMC1 | 12,788 | 12,701 | 4,344 | 4,943 | 3,075 | 62% | 1,869 |
| Medina | ZHMC | 4,944 | 4,919 | 1,780 | 2,078 | 1,311 | 63% | 767 |
| Medina | ZNCMC | 7,360 | 5,942 | 2,060 | 2,481 | 1,753 | 71% | 728 |
| Medina | ZNMC | 10,306 | 10,245 | 3,225 | 3,656 | 2,307 | 63% | 1,349 |
| Medina | ZWMC | 1,935 | 1,935 | 707 | 935 | 590 | 63% | 345 |
| Medina | a County | 45,160 | 43,428 | 14,838 | 17,106 | 10,864 | 64% | 6,242 |
| 7-COUNT | | 1,001,966 | 992,635 | 371,982 | 439,565 | 296,361 | 67% | 143,204 |

SOURCE: Environmental Research Institute Business Information Solutions (ESRI BIS) 2009 and WDA 2010. Notes:

Projected Future Housing

Population changes establish the overall demand for new housing in the SEP-HCP Plan Area. For each SEP-HCP sector, WDA related the projected changes in population to household characteristics identified from 2000 Census data and county appraisal district land use data (such as population per household, housing unit occupancy rates, and the proportion of single-family housing units) to estimate future housing needs between 2010 and 2040. WDA generally projected future single-family housing units for each sector using a least squares forecasting trend derived from projected 2000 to 2014 population growth rates. WDA also adjusted the values as needed based on longer-term historical growth rates and market factors to better approximate realistic conditions.

Estimates of the Total Population for each sector in 2010, 2020, 2030, and 2040 are provided in the <u>Population Estimates and Projections</u> resource assessment (WDA 2010). Table 3 shows the projected number of Total Housing Units and Single-Family Housing Units for each sector by decade between 2010 and 2040.

TABLE 3. Projected Housing Unit Estimates for the SEP-HCP Plan Area.

| County | Sector | Proj | ected Total | Housing Ur | nits | Projected Single-family Housing Units | | | | |
|---------|--------|-------|-------------|------------|-------|---------------------------------------|-------|-------|-------|--|
| | | 2010 | 2020 | 2030 | 2040 | 2010 | 2020 | 2030 | 2040 | |
| Bandera | ZCBC | 4,660 | 5,435 | 6,225 | 7,014 | 2,872 | 3,443 | 4,013 | 4,584 | |
| Bandera | ZEBC1 | 2,830 | 3,322 | 3,818 | 4,314 | 2,110 | 2,505 | 2,900 | 3,295 | |



^{*}Includes only portions of Bexar County and the Plan Area that are within a SEP-HCP sector.

TABLE 3. Projected Housing Unit Estimates for the SEP-HCP Plan Area.

| County Sector Projected Total Housing Units Projected Single-far | | | | | | | | | |
|--|-----------|---------------|----------------|---------------|-----------------|--------------|-----------------|---------------|---------------|
| County | Sector | | | | | - | jected Single-f | • | _ |
| Bandera | ZEBC2 | 2010 2,191 | 2020 2,550 | 2030 2,912 | 2040 3,274 | 2010 1,64 | | 2030 2,230 | 2040 2,520 |
| Bandera | ZWBC | 2,042 | 2,360 | 2,684 | 3,008 | 1,0- | • | 1,742 | 1,977 |
| | ra County | 11,722 | 13,668 | 15,639 | 1 7,610 | 7,90 | • | 10,884 | 12,375 |
| Danue | ra County | 11,722 | 13,000 | 15,639 | 17,610 | 7,90 | 12 9,393 | 10,004 | 12,375 |
| Bexar | FN | 33,147 | 45,721 | 62,891 | 62,891 | 23,86 | 66 34,783 | 48,196 | 48,196 |
| Bexar | FNE | 17,168 | 28,819 | 34,087 | 34,087 | 12,49 | 98 22,899 | 27,041 | 27,041 |
| Bexar | FNW | 22,493 | 35,722 | 46,865 | 46,865 | 21,36 | 33,215 | 43,827 | 43,827 |
| Bexar | FW | 14,657 | 36,871 | 57,553 | 57,553 | 11,49 | 29,824 | 46,832 | 46,832 |
| Bexar | NC | 50,993 | 53,843 | 57,314 | 61,014 | 27,68 | 39 29,209 | 31,603 | 34,130 |
| Bexar | NE | 68,740 | 76,365 | 96,874 | 101,021 | 41,45 | 50 45,442 | 55,874 | 58,879 |
| Bexar | NW | 76,087 | 91,990 | 98,580 | 102,707 | 51,89 | 55,987 | 60,987 | 64,118 |
| Bexar | W | 31,918 | 36,509 | 36,754 | 36,754 | 26,48 | 35 30,423 | 30,632 | 30,632 |
| Bexar | County* | 315,201 | 405,841 | 490,917 | 502,891 | 216,73 | 88 281,781 | 344,991 | 353,654 |
| | | | | | | | | | |
| Blanco | ZNBC | 2,262 | 2,578 | 2,883 | 3,214 | 1,70 | 00 1,955 | 2,200 | 2,465 |
| Blanco | ZSBC | 2,420 | 2,712 | 3,007 | 3,301 | 1,83 | 37 2,074 | 2,311 | 2,548 |
| Blanco | County | 4,682 | 5,290 | 5,890 | 6,514 | 3,53 | 37 4,029 | 4,511 | 5,012 |
| 0 1 | ENICO | 0.044 | 0.044 | 40.574 | 45.007 | | | 40.404 | 40.004 |
| Comal | FNCC | 6,311 | 9,841 | 12,574 | 15,307 | 5,54 | • | 10,424 | 12,861 |
| Comal | ECC3 | 5,323 | 8,289 | 11,257 | 13,170 | 4,82 | • | 10,258 | 12,008 |
| Comal | NCC3 | 7,026 | 8,945 | 10,869 | 13,919 | 5,86 | | 9,161 | 11,777 |
| Comal | SCC | 4,147 | 6,229 | 11,717 | 19,335 | 3,63 | | 10,381 | 17,164 |
| Comal | WCC5 | 9,194 | 13,563 | 23,376 | 40,672 | 7,5 | | 19,524 | 34,152 |
| Comal | ZNB | 18,931 | 22,904 | 26,957 | 31,010 | 11,27 | | 17,048 | 19,934 |
| Comal | County | 50,931 | 69,772 | 96,751 | 133,413 | 38,66 | 55 53,920 | 76,795 | 107,896 |
| Kendall | ZEKC | 6,898 | 9,375 | 11,861 | 14,347 | 5,59 | 98 7,690 | 9,782 | 11,875 |
| Kendall | ZNKC | 3,797 | 4,519 | 6,050 | 6,973 | 1,51 | | 2,953 | 3,530 |
| Kendall | ZWKC | 3,986 | 5,093 | 6,217 | 7,342 | 2,53 | 3,358 | 4,182 | 5,006 |
| Kenda | II County | 14,680 | 18,987 | 24,129 | 28,662 | 9,64 | 13,044 | 16,917 | 20,410 |
| | | | | | | | | | |
| Kerr | KCC | 10,949 | 11,682 | 11,683 | 17,491 | 8,34 | 18 8,348 | 8,349 | 13,042 |
| Kerr | KCNE | 2,473 | 3,512 | 4,580 | 5,835 | 1,31 | 12 2,039 | 2,766 | 3,620 |
| Kerr | KCSC | 2,158 | 2,372 | 2,585 | 2,862 | 2,00 | 2,202 | 2,401 | 2,659 |
| Kerr | KCSE | 1,801 | 1,966 | 2,136 | 2,586 | 96 | 1,080 | 1,195 | 1,503 |
| Kerr | KCW | 5,638 | 6,293 | 7,330 | 8,172 | 3,3′ | 19 3,794 | 4,528 | 5,125 |
| Kerr C | ounty | 23,019 | 25,825 | 28,314 | 36,946 | 15,94 | 16 17,462 | 19,239 | 25,949 |
| Modina | ZDMC | 3 060 | 2 //6 | 2 020 | E 120 | 1,85 | 56 2420 | 2 //24 | 2 254 |
| Medina Medina | ZEMC1 | 3,060 | 3,446 5,788 | 3,839 | 5,139 32,055 | | | 2,421 | 3,354 |
| | | 5,033 | 5,788 | 11,406 | • | 3,13 | | 7,765 | 22,749 |
| Medina | ZHMC | 2,092 | 2,212 | 2,334 | 2,781 | 1,32 | | 1,498 | 1,825 |
| Medina Medina | ZNCMC | 2,498 | 2,655 | 3,187 | 3,521 | 1,76 | | 2,299 | 2,557 |
| | ZNMC | 3,725 | 4,312 | 6,505 | 7,855 | 2,35 | | 4,388 | 5,374 |
| Medina | ZWMC | 952 | 1,093 | 1,496 | 1,762 | 60 | | 1,000 | 1,194 |
| Medina | a County | 17,359 | 19,507 | 28,766 | 53,113 | 11,02 | 23 12,615 | 19,370 | 37,053 |

TABLE 3. Projected Housing Unit Estimates for the SEP-HCP Plan Area.

| County | Sector | Pro | jected Tota | l Housing U | nits | Projec | Projected Single-family Housing Units | | | | |
|------------------------|--------|---------|-------------|-------------|---------|---------|---------------------------------------|---------|---------|--|--|
| | | 2010 | 2020 | 2030 | 2040 | 2010 | 2020 | 2030 | 2040 | | |
| 7-COUNTY PLAN AREA* | | 437,595 | 558,890 | 690,406 | 779,150 | 303,460 | 392,244 | 492,708 | 562,350 | | |

SOURCE: WDA 2010

NOTES:

Table 4 summarizes the projected demand for new housing units in each sector between 2010 and 2040. Bexar County is projected to have the largest demand for new housing units between 2010 and 2040, with a projected increase of more than 187,000 housing units. Although, the relative change in housing units is projected to be greatest for Medina and Comal counties with a projected increases in total housing units of more than 150 percent. Blanco County is projected to have the smallest increase in housing units of the seven Plan Area counties.

TABLE 4. Projected Changes in Housing Units for the Plan Area (2010 - 2040).

| | | Chang | | Housing U | Inits | Change ir | Change in Single-family Housing Units (2010 - 2040) | | | |
|----------------|--------|---------|------------|-------------------------|------------------------------|-----------|---|-------------------------|------------------------------|--|
| | | | (2010 - : | 2040) | | | (2010 - | 2040) | | |
| County | Sector | Change | % Chng. | Ave. Annual Chng. | % Ave. Annual Chng. | Change | % Chng. | Ave. Annual Chng. | % Ave. Annual Chng. | |
| Bandera | ZCBC | 2,354 | 51% | 78 | 1.7% | 1,711 | 60% | 57 | 2.0% | |
| Bandera | ZEBC1 | 1,484 | 52% | 49 | 1.7% | 1,185 | 56% | 40 | 1.9% | |
| Bandera | ZEBC2 | 1,084 | 49% | 36 | 1.6% | 871 | 53% | 29 | 1.8% | |
| Bandera | ZWBC | 967 | 47% | 32 | 1.6% | 706 | 56% | 24 | 1.9% | |
| Bandera County | | 5,888 | 50% | 196 | 1.7% | 4,473 | 57% | 149 | 1.9% | |
| Bexar | FN | 29,743 | 90% | 991 | 3.0% | 24,330 | 102% | 811 | 3.4% | |
| Bexar | FNE | 16,920 | 99% | 564 | 3.3% | 14,543 | 116% | 485 | 3.9% | |
| Bexar | FNW | 24,373 | 108% | 812 | 3.6% | 22,459 | 105% | 749 | 3.5% | |
| Bexar | FW | 42,896 | 293% | 1,430 | 9.8% | 35,341 | 308% | 1,178 | 10.3% | |
| Bexar | NC | 10,021 | 20% | 334 | 0.7% | 6,441 | 23% | 215 | 0.8% | |
| Bexar | NE | 32,281 | 47% | 1,076 | 1.6% | 17,429 | 42% | 581 | 1.4% | |
| Bexar | NW | 26,620 | 35% | 887 | 1.2% | 12,227 | 24% | 408 | 0.8% | |
| Bexar | W | 4,835 | 15% | 161 | 0.5% | 4,147 | 16% | 138 | 0.5% | |
| Bexar Co | ounty | 187,690 | 60% | 6,256 | 2.0% | 136,916 | 63% | 4,564 | 2.1% | |
| Blanco | ZNBC | 952 | 42% | 32 | 1.4% | 764 | 45% | 26 | 1.5% | |
| Blanco | ZSBC | 880 | 36% | 29 | 1.2% | 711 | 39% | 24 | 1.3% | |
| Blanco C | ounty | 1,832 | 39% | 61 | 1.3% | 1,475 | 42% | 49 | 1.4% | |
| Comal | FNCC | 8,995 | 143% | 300 | 4.8% | 7,314 | 132% | 244 | 4.4% | |
| Comal | ECC3 | 7,847 | 147% | 262 | 4.9% | 7,180 | 149% | 239 | 5.0% | |
| Comal | NCC3 | 6,893 | 98% | 230 | 3.3% | 5,917 | 101% | 197 | 3.4% | |
| Comal | SCC | 15,188 | 366% | 506 | 12.2% | 13,528 | 372% | 451 | 12.4% | |
| Comal | WCC5 | 31,478 | 342% | 1,049 | 11.4% | 26,635 | 354% | 888 | 11.8% | |
| Comal | ZNB | 12,080 | 64% | 403 | 2.1% | 8,658 | 77% | 289 | 2.6% | |
| Comal Co | ounty | 82,481 | 162% | 2,749 | 5.4% | 69,232 | 179% | 2,308 | 6.0% | |
| Kendall | ZEKC | 7,450 | 108% | 248 | 3.6% | 6,276 | 112% | 209 | 3.7% | |

^{*}Includes only portions of Bexar County and the Plan Area that are within a SEP-HCP sector.

TABLE 4. Projected Changes in Housing Units for the Plan Area (2010 - 2040).

| | | Chang | e in Total (2010 - | Housing L 2040) | Inits | Change in | Single-fa (2010 - | | ng Units |
|----------------------|--------|---------|-----------------------|-------------------------|------------------------------|-----------|----------------------|-------------------------|------------------------------|
| County | Sector | Change | % Chng. | Ave. Annual Chng. | % Ave. Annual Chng. | Change | % Chng. | Ave. Annual Chng. | % Ave. Annual Chng. |
| Kendall | ZNKC | 3,176 | 84% | 106 | 2.8% | 2,012 | 133% | 67 | 4.4% |
| Kendall | ZWKC | 3,356 | 84% | 112 | 2.8% | 2,473 | 98% | 82 | 3.3% |
| Kendall (| County | 13,982 | 95% | 466 | 3.2% | 10,761 | 112% | 359 | 3.7% |
| Kerr | KCC | 6,542 | 60% | 218 | 2.0% | 4,694 | 56% | 156 | 1.9% |
| Kerr | KCNE | 3,362 | 136% | 112 | 4.5% | 2,308 | 176% | 77 | 5.9% |
| Kerr | KCSC | 703 | 33% | 23 | 1.1% | 656 | 33% | 22 | 1.1% |
| Kerr | KCSE | 785 | 44% | 26 | 1.5% | 539 | 56% | 18 | 1.9% |
| Kerr | KCW | 2,534 | 45% | 84 | 1.5% | 1,806 | 54% | 60 | 1.8% |
| Kerr Cou | nty | 13,927 | 61% | 464 | 2.0% | 10,003 | 63% | 333 | 2.1% |
| Medina | ZDMC | 2,080 | 68% | 69 | 2.3% | 1,498 | 81% | 50 | 2.7% |
| Medina | ZEMC1 | 27,022 | 537% | 901 | 17.9% | 19,619 | 627% | 654 | 20.9% |
| Medina | ZHMC | 689 | 33% | 23 | 1.1% | 505 | 38% | 17 | 1.3% |
| Medina | ZNCMC | 1,023 | 41% | 34 | 1.4% | 792 | 45% | 26 | 1.5% |
| Medina | ZNMC | 4,130 | 111% | 138 | 3.7% | 3,024 | 129% | 101 | 4.3% |
| Medina | ZWMC | 810 | 85% | 27 | 2.8% | 593 | 99% | 20 | 3.3% |
| Medina C | County | 35,754 | 206% | 1,192 | 6.9% | 26,030 | 236% | 868 | 7.9% |
| 7-COUNTY PLAN ARE | A | 341,555 | 78% | 11,385 | 1.7% | 258,891 | 85% | 8,630 | 2.8% |

SOURCE: WDA 2010

NOTES:

The housing numbers shown in Table 3 and Table 4 represent the base-level projected demand for new housing units across the Plan Area. These projections do not consider other practical factors (such as landscape, market, or regulatory challenges) that would be expected to influence where new housing is located. These additional factors are considered in the Land Use and Development resource assessment.

References

- U.S. Census Bureau (USCB). 2000. Households and Housing Units (Tables P15, P16, P17, P37, and H1). Census 2000 Summary File 1 (SF 1) 100-Percent Data. U.S. Census Bureau. Accessed November 2, 2010.
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- Wendell Davis and Associates (WDA). 2010. Population and housing projections for the Southern Edwards Plateau Habitat Conservation Plan. Version date: December 17, 2010. Prepared for Loomis Partners, Inc. Wendell Davis and Associates, San Antonio, TX.



^{*}Includes only portions of Bexar County and the Plan Area that are within a SEP-HCP sector.

Southern Edwards Plateau Habitat Conservation Plan Land Use Summary and Trends

The Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) has a Plan Area that covers seven Texas counties, including Bexar, Medina, Bandera, Kerr, Kendall, Blanco, and Comal counties. This resource assessment reviews:

- Current land uses:
- Review of land development trends and influential factors; and
- Projected land uses over the duration of the SEP-HCP.

This review and analysis of land use data for the Plan Area supports the Impacts Analysis for the SEP-HCP and related environmental documents.

This assessment is based on population projections, housing data, and land use information from county appraisal districts collected by Wendell Davis & Associates (WDA) (WDA 2010). Summaries of land uses are reported for the Plan Area as a whole, for individual counties, and for each of 34 individual "sectors" that are comprised of one or more adjacent Census 2000 census tracts. However, this analysis excludes the southern half of Bexar County, since the southern portions of the county do not contain habitat for the species covered by the SEP-HCP. The analysis also excludes Camp Bullis, since this military installation would not be eligible to participate in the Plan for incidental take coverage and is not subject to the same types of factors that drive population and housing changes in the rest of the Plan Area. Therefore, information reported for Bexar County and for the Plan Area is limited to the areas included in the SEP-HCP sectors, as shown in Figure 1.

Current Land Uses

Jurisdictions

The SEP-HCP Plan Area includes approximately 4.1 million acres with land uses that vary from densely urban to remote and rural. In addition to the seven Texas counties, the Plan Area includes all or part of 42 cities, including San Antonio, New Braunfels, Schertz, Leon Valley, Live Oak, Hondo, Boerne, Helotes, Kerrville, Bandera, and Blanco. The population of these 42 different cities (per the 2000 Census) ranges from just over 100 to over 1 million people. Areas within a city limit occupy approximately 470,600 acres or 11 percent of the Plan Area (SAM, Inc. 2006). The majority of the Plan Area is relatively rural and is unincorporated (subject to county-level government) or included in the extraterritorial jurisdiction of a city. The Plan Area is partially included in the eight-county San Antonio – New Braunfels Metropolitan Statistical Area (including Bandera, Bexar, Comal, Kendall, and Medina counties) (U.S. Office of Management and Budget 2009), which is the third largest metropolitan area in Texas.

2009 Land Use Distribution

Wendell Davis & Associates (WDA) collected land use information for parcels within the Plan Area from county appraisal districts (the time period of the data was circa 2009) (see list of data sources in the Reference section). WDA summarized the data into general classes for single-family residential uses, non-single family residential uses, commercial and industrial uses, exempt properties, transportation and utility rights-of-way, "available" undeveloped uses (including agricultural lands or vacant platted properties that may be available for future development), and miscellaneous other or unclassified uses (WDA 2010). Table 1 more fully describes the land use classifications used in this analysis.



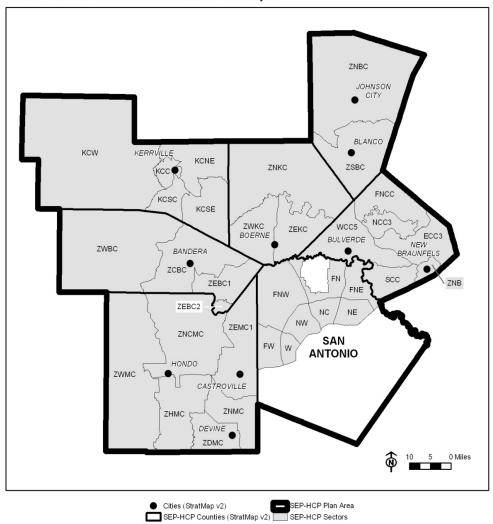


FIGURE 1. SEP-HCP Sectors Included in the Land Use Analysis.

TABLE 1. General Land Use Categories Summarized from 2009 County Appraisal District Data.

| Diotriot Datai | |
|----------------------------------|---|
| General Land Use Category | Description |
| Single-family Residential | Based on the total acreage of parcels designated by the county appraisal district with a State Property Tax Board code of "A". Includes properties developed with stand alone single-family residences or manufactured homes on single-family lots. |
| Non-single-family Residential | Based on the total acreage of parcels designated by the county appraisal district with a State Property Tax Board code of "B". Includes properties developed with apartment buildings, mobile home parks, multi-plex structures, and similar public and private dwelling units. |

TABLE 1. General Land Use Categories Summarized from 2009 County Appraisal District Data.

| General Land Use Category | Description |
|--|---|
| Commercial and Industrial | Based on the total acreage of parcels designated by the county appraisal district with a State Property Tax Board code of "F". Includes properties developed as retail and other shopping center uses, office, wholesale, industrial, and other commercial uses. |
| Exempt | Based on the total acreage of parcels designated by the county appraisal district with a State Property Tax Board code of "EX" or "X". Includes exempt properties such as public-owned lands, lands owned by non-profit or religious and charitable organizations, schools, railroad property, and others. Also known to include some park or preserve land. |
| Transportation and Utility Rights-of-way | Estimated as between 15 and 30 percent of the total acres of the other developed land uses (residential, commercial/industrial, and exempt). Higher percentages were used for more urban areas with denser development. Estimation was necessary for this land use class because county appraisal districts do not typically tract lands used as rights-of-way for transportation networks or utilities. |
| Available Lands | Based on the total acreage of parcels designated by the county appraisal district as vacant platted lots, unoccupied residential lots in builder inventory, agricultural lands, and lands with farm and ranch-related improvements. Corresponds to properties classified with State Property Tax Board codes of "C", "D", "E", or "O". These lands are assumed to be available for future development or occupancy. |
| Other and Unclassified | Includes lands with other miscellaneous State Property Tax Board codes and lands that are not classified in county appraisal district records (including public lands that are not recorded on county tax rolls). Known to include some areas of parkland or preserves (such as Government Canyon State Natural Area) and large water bodies (such as Canyon Lake). The acres assigned to this category were also adjusted to account for the remaining geographic area of a sector not included in the other land use categories due to incomplete appraisal district parcel records. Land in this category is generally assumed to be unavailable for future development. |

Table 2 includes a summary of general 2009 land uses estimated for each SEP-HCP sector. Sector boundaries were based on U.S. Census Bureau census tract boundaries, and SEP-HCP sectors included one or more adjacent census tracts. Some portions of Bexar County were not included in a sector if they did not contain habitat for the species covered by the Plan (i.e., parts of central and southeastern Bexar County) or were primarily federal lands (i.e., Camp Bullis) that would not be eligible to participate in the Plan for incidental take coverage.

TABLE 2. General Land Uses within the SEP-HCP Plan Area in 2009 (acres).

| | <u> </u> | Land Use | 23 WICHINI | the out i | 101 1 Idii 1 | Alea III 20 | 09 (acres). | |
|---------|-------------|-------------------|---------------------------|--------------|--------------|---------------------------|--------------------|--------------------------|
| County | SEP- HCP | Single- Family | Non- Single- Family | Comm. and | Exempt | Transp. and Utility | Available Lands | Other and Unclass. |
| | Sector | Res. | Res. | Industrial | | ROW | Lanus | Uses |
| Bandera | ZCBC | 8,217 | 292 | 2,047 | 3,213 | 2,073 | 76,777 | 44,294 |
| Bandera | ZEBC1 | 6,995 | 141 | 200 | 26 | 1,105 | 28,249 | 24,074 |
| Bandera | ZEBC2 | 923 | 1,117 | 391 | 13 | 367 | 1,480 | 2,940 |
| Bandera | ZWBC | 4,411 | 1,886 | 740 | 2,228 | 927 | 160,245 | 134,946 |
| Bande | ra County | 20,546 | 3,436 | 3,377 | 5,479 | 4,473 | 266,750 | 206,254 |
| Bexar | FN | 12,235 | 344 | 85 | 123 | 2,570 | 16,844 | 5,117 |
| Bexar | FNE | 6,948 | 344 | 5,689 | 35 | 2,605 | 17,038 | 4,357 |
| Bexar | FNW | 16,402 | 179 | 3,763 | 705 | 5,919 | 25,645 | 39,406 |
| Bexar | FW | 4,365 | 476 | 2,449 | 50 | 1,513 | 25,414 | 602 |
| Bexar | NC | 10,121 | 1,347 | 3,165 | 113 | 2,980 | 4,168 | 901 |
| Bexar | NE | 8,901 | 1,180 | 4,752 | 163 | 3,066 | 7,295 | 3,357 |
| Bexar | NW | 11,070 | 1,706 | 5,091 | 98 | 3,638 | 6,806 | 2,462 |
| Bexar | W | 4,699 | 361 | 3,056 | 43 | 1,645 | 5,721 | 972 |
| Bexar (| County* | 74,740 | 5,937 | 28,050 | 1,329 | 23,936 | 108,933 | 57,174 |
| Blanco | ZNBC | 1,166 | 146 | 161 | 352 | 292 | 213,357 | 103,691 |
| Blanco | ZSBC | 2,065 | 121 | 174 | 381 | 287 | 90,523 | 43,872 |
| Blanco | County | 3,231 | 266 | 335 | 732 | 579 | 303,880 | 147,563 |
| Comal | FNCC | 9,938 | 2,228 | 2,043 | 1,042 | 1,529 | 36,843 | 26,992 |
| Comal | ECC3 | 9,599 | 1,270 | 1,380 | 1,844 | 2,116 | 12,596 | 70,637 |
| Comal | NCC3 | 4,224 | 448 | 682 | 106 | 822 | 17,988 | 10,632 |
| Comal | SCC | 5,423 | 281 | 4,156 | 405 | 1,541 | 36,533 | 1,497 |
| Comal | WCC5 | 17,659 | 1,591 | 2,450 | 7,079 | 5,757 | 33,751 | 37,011 |
| Comal | ZNB | 3,476 | 634 | 1,842 | 1,093 | 1,422 | 4,481 | 1,666 |
| Comal | County | 50,318 | 6,451 | 12,553 | 11,570 | 13,188 | 142,192 | 148,435 |
| Kendall | ZEKC | 12,272 | 1,623 | 999 | 1,423 | 2,449 | 59,126 | 2,759 |
| Kendall | ZNKC | 3,322 | 2,015 | 411 | 908 | 1,010 | 232,923 | 20,646 |
| Kendall | ZWKC | 5,316 | 1,607 | 750 | 563 | 825 | 61,710 | 11,629 |
| Kendal | II County | 20,910 | 5,246 | 2,160 | 2,894 | 4,284 | 353,760 | 35,034 |
| Kerr | KCC | 3,777 | 205 | 744 | 1,753 | 1,580 | 6,609 | 5,390 |
| Kerr | KCNE | 898 | 1,338 | 426 | 260 | 467 | 61,513 | 21,479 |
| Kerr | KCSC | 1,491 | 67 | 274 | 416 | 337 | 22,062 | 10,070 |
| Kerr | KCSE | 1,034 | 360 | 630 | 200 | 336 | 65,135 | 15,414 |
| Kerr | KCW | 7,541 | 1,384 | 13 | 8,254 | 1,721 | 343,970 | 121,690 |
| Kerr Co | ounty | 14,742 | 3,353 | 2,087 | 10,883 | 4,441 | 499,289 | 174,042 |
| Medina | ZDMC | 3,382 | 697 | 241 | 384 | 726 | 37,886 | 12,635 |
| Medina | ZEMC1 | 21,802 | 1,699 | 406 | 646 | 3,718 | 88,804 | 12,655 |
| Medina | ZHMC | 2,262 | 404 | 173 | 275 | 481 | 90,983 | 18,649 |
| Medina | ZNCMC | 19,696 | 658 | 231 | 368 | 3,162 | 117,718 | 57,947 |
| Medina | ZNMC | 11,950 | 843 | 305 | 484 | 2,063 | 52,264 | 3,593 |
| Medina | ZWMC | 9,222 | 493 | 78 | 124 | 996 | 191,324 | 81,456 |



TABLE 2. General Land Uses within the SEP-HCP Plan Area in 2009 (acres).

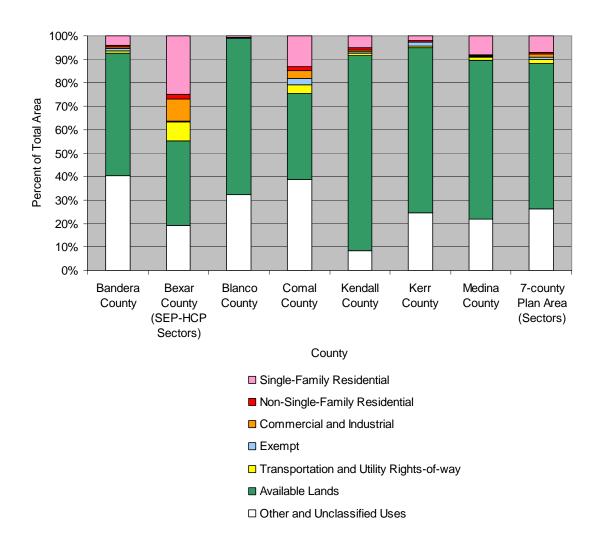
| County | SEP- HCP Sector | Single- Family Res. | Non- Single- Family Res. | Comm. and Industrial | Exempt | Transp. and Utility ROW | Available Lands | Other and Unclass. Uses |
|----------------------|-----------------------|---------------------------|-----------------------------------|----------------------------|--------|----------------------------------|--------------------|----------------------------------|
| Medina | County | 68,314 | 4,794 | 1,434 | 2,281 | 11,146 | 578,979 | 186,936 |
| 7-COUNTY PLAN ARE | | 252,802 | 29,483 | 49,996 | 35,169 | 62,046 | 2,253,782 | 955,439 |

Source: WDA 2010.

Notes:

Figure 2 shows the relative distribution of various general land uses within Plan Area counties in 2009, based on county appraisal district land use information.

FIGURE 2. Relative Distribution of Land Uses in the SEP-HCP Plan Area in 2009.



^{*}Includes only portions of Bexar County and the Plan Area that are within a SEP-HCP sector.

Land Development Trends and Influences

Single-family residential use represented approximately 59 percent of all developed land uses (i.e., the sum of residential, commercial/industrial, exempt, and right-of-way uses) in the Plan Area. Given the dominance of single-family residential land uses, the WDA land use projections described herein assume that the demand for new single-family housing is the primary driver of land use changes across the Plan Area. The demand for new housing is, in turn, largely a function of population changes (summarized in the <u>Population Estimates and Projections</u> resource assessment) and measures of household size (summarized in the <u>Housing</u> Characteristics and Projections resource assessment).

However, projecting land use changes must also include consideration of a variety of landscape, regulatory, and market factors that may influence the extent and character of new development. For instance, the amount of steep slopes and flood plains that are present in an area can reduce the amount of land available for urban development and complicate the expansion of utility service. Zoning, subdivision rules, and other development regulations can limit the density and placement of certain types of development. Finally, market factors, such as affordable housing and proximity to employment centers can also affect where new growth may occur. Indeed, the City of San Antonio's recently completed North Sector Plan (a component of the city's updated comprehensive master plan) recognizes that future residential development in the northern portion of Bexar County "...should consider the limiting effects of slope, vegetation, floodplain, and encroachment..." and that "...care should be expended to master plan these lands with the intent to focus housing density in areas where limitations of development are minimal or can be reasonably mitigated" (City of San Antonio 2010).

WDA incorporated these factors into the land use projections in two general ways: 1) by adjusting the target density for single-family residential development (expressed as acres per housing unit) and 2) by shifting some of the anticipated population growth for certain sectors to other areas with more capacity to absorb the growth.

Target densities for single-family residential development were used by WDA to model the overall amount of new development projected for a sector. When applied to the total amount of available undeveloped land in a sector, these target densities helped determine the capacity of a sector to absorb new growth. WDA first estimated target densities for single-family residential development based on the current densities indicated by county appraisal district data. WDA then modified these initial estimates to anticipate future conditions. Lower densities represented development that may be generally characterized as scattered clusters of suburban development in a largely rural landscape or by areas with relatively large-lot or "ranchette-style" residential development. Higher densities represent development generally characterized as broadly suburban or urban development, with smaller lots and less undeveloped open space.

WDA typically *decreased* the target density of single-family residential development for available undeveloped land in a sector if the sector generally:

- Included high amounts of steep slopes and/or floodplains Steep slopes and floodplains are considered part of the general landscape, and such areas are included in the "available undeveloped" land use category. However, these landscape features typically make development more difficult, resulting in an overall lower density of development. On a sector-level, this lower density development may be typified by scattered clusters of suburban development or by more diffuse, larger lot development;
- <u>Lacked community utility service</u>, <u>particularly sewer service</u> Areas not served by centralized utilities are generally more rural, with less development and larger lots. Development regulations frequently limit the density of development that may occur in areas supported by individual septic systems and wells. Market factors also influence the amount of development that occurs in areas without community utility service;



- Was outside of the anticipated path of growth from existing urban areas A variety of
 market factors, such as transportation networks, employment centers, and housing prices
 affect where development will occur. Areas that lack easy access to employment centers
 and other community services are less likely to experience much growth; and
- Was likely to experience other significant market factors, such as housing affordability –
 Housing prices are, in part, related to the costs associated with development. Higher
 construction costs can result in higher home prices. The market for new high-priced
 homes is itself limited by the number of households that can afford to purchase them,
 which limits the demand for and overall density of housing of this type.

WDA typically *increased* the target density of single-family residential development for a sector if the sector generally:

- Included relatively few landscape challenges for new development;
- Was currently <u>served by community utilities</u> or was within the service area of an existing public utility purveyor;
- Was within the path of growth of an urban area, such as sectors with highway access to urban centers or other major employers; and
- Had a likelihood of having <u>positive market factors</u>, such as lower development costs that might accommodate an abundance of affordable housing or proximity to employment centers or community services.

Land Use Projections

WDA projected changes in land use for SEP-HCP sectors over the anticipated duration of the SEP-HCP (i.e., between 2010 and 2040), based on population projections, housing characteristics and trends, land use data, and other market factors. Changes in single-family residential development were projected using population projections, household sizes, and target densities and historic trends to predict the extent of new single-family development in a sector. As the dominant developed land use, single-family residential uses were also used as a benchmark for projecting new development for multi-family residential, commercial/industrial, and exempt uses.

WDA used county appraisal district land use data to estimate the acres of non-single-family residential, commercial/industrial, and exempt uses associated with every 100 single-family housing units in a sector. This ratio was applied to projections of future single-family housing to determine the extent of new non-single-family development for each sector. New development for transportation and utility rights-of-way was then estimated as a percentage of the total amount of new development projected for a sector.

WDA allowed the target residential densities and the ratios for other types of development to change over time for some sectors where the overall nature or character of a sector was expected to change from relatively rural to relatively urban. This feature of the land use projections allowed new development to occur more densely as an area became increasingly built out over time (if appropriate given other likely market and environmental conditions).

However, the amount of new development that can occur in a sector is ultimately limited by the amount of undeveloped land that may be available for future development. The WDA land use projections indicated that some sectors were likely to reach or exceed their capacity to accommodate new development before the demand for new housing and other associated developed land uses was satisfied. In these cases, WDA shifted the excess demand to adjacent areas with additional capacity for development so that the projected extent of new development for a sector did not exceed the amount of available undeveloped land. Some of this excess demand was eventually shifted outside of the region considered in the SEP-HCP sector analysis



to the southern or eastern parts of Bexar County or to the western parts of Guadalupe County, where potential impacts to the covered species are not a concern.

Table 3 and Figure 3 summarize the projected distribution of land uses within SEP-HCP sectors in 2040.

TABLE 3. Projected Distribution of General Land Uses in 2040 (acres).

| County | SEP- HCP Sector | Single- Family Res. | Non- Single- Family Res. | Comm. and Industrial | Exempt | Transp. and Utility ROW | Available Lands | Other and Unclass. Uses |
|---------|-----------------------|---------------------------|-----------------------------------|----------------------------|------------------------|----------------------------------|--------------------|-------------------------------|
| Bandera | ZCBC | 9,986 | 377 | 2,349 | 4,277 | 2,687 | 72,996 | 44,241 |
| Bandera | ZEBC1 | 7,607 | 180 | 409 | 250 | 1,287 | 26,988 | 24,068 |
| Bandera | ZEBC2 | 1,373 | 1,145 | 544 | 177 | 497 | 555 | 2,939 |
| Bandera | ZWBC | 5,869 | 2,574 | 865 | 2,667 | 1,216 | 157,256 | 134,936 |
| Bandera | a County | 24,836 | 4,276 | 4,168 | 7,371 | 5,687 | 257,795 | 206,184 |
| | | | | | | | | |
| Bexar | FN | 20,915 | 594 | 2,486 | 278 | 6,068 | 1,924 | 5,053 |
| Bexar | FNE | 16,020 | 509 | 7,143 | 129 | 5,463 | 3,409 | 4,345 |
| Bexar | FNW | 26,654 | 269 | 6,037 | 852 | 20,061 | 7,288 | 30,858 |
| Bexar | FW | 17,616 | 792 | 5,969 | 277 | 6,866 | 2,970 | 378 |
| Bexar | NC | 12,336 | 1,453 | 3,787 | 153 | 4,028 | 293 | 745 |
| Bexar | NE | 10,323 | 1,640 | 5,428 | 207 | 4,239 | 3,852 | 3,025 |
| Bexar | NW | 14,554 | 2,224 | 6,293 | 175 | 5,487 | (101) | 2,238 |
| Bexar | W | 5,597 | 393 | 3,502 | 53 | 2,007 | 4,037 | 908 |
| Bexar (| County* | 124,014 | 7,873 | 40,646 | 2,124 | 54,219 | 23,672 | 47,551 |
| | | | | | | | | |
| Blanco | ZNBC | 1,374 | 170 | 237 | 356 | 523 | 212,934 | 103,570 |
| Blanco | ZSBC | 2,800 | 143 | 245 | 385 | 557 | 89,552 | 43,742 |
| Blanco | County | 4,173 | 313 | 481 | 742 | 1,080 | 302,486 | 147,312 |
| | | | | | | | | |
| Comal | FNCC | 17,495 | 2,265 | 2,950 | 1,926 | 2,643 | 26,387 | 26,950 |
| Comal | ECC3 | 17,051 | 1,357 | 2,275 | 2,716 | 3,595 | 1,827 | 70,623 |
| Comal | NCC3 | 6,627 | 574 | 1,412 | 221 | 1,404 | 14,051 | 10,612 |
| Comal | SCC | 19,136 | 467 | 5,802 | 2,010 | 4,248 | 16,684 | 1,489 |
| Comal | WCC5 | 28,281 | 2,095 | 5,690 | 10,239 | 21,721 | 9,863 | 27,408 |
| Comal | ZNB | 5,879 | 763 | 2,512 | 1,492 | 2,235 | 133 | 1,599 |
| Comal | County | 94,469 | 7,521 | 20,641 | 18,604 | 35,846 | 68,945 | 138,681 |
| | | | | | | | | |
| Kendall | ZEKC | 15,515 | 2,234 | 2,211 | 2,454 | 3,419 | 52,069 | 2,749 |
| Kendall | ZNKC | 7,441 | 2,170 | 796 | 1,235 | 1,982 | 227,042 | 20,569 |
| Kendall | ZWKC | 7,871 | 1,724 | 1,228 | 2,512 | 1,386 | 56,069 | 11,611 |
| Kendal | I County | 30,827 | 6,127 | 4,236 | 6,202 | 6,787 | 335,180 | 34,929 |
| Kerr | KCC | 5,655 | 305 | 1,162 | 2,739 | 4,371 | 1,859 | 3,968 |
| Kerr | KCNE | 3,092 | 1,433 | 638 | 760 | 1,358 | 57,809 | 21,291 |
| Kerr | KCSC | 1,785 | 73 | 334 | 558 | 1,336 485 | 21,413 | 10,070 |
| Kerr | KCSE | 1,785 | 392 | 679 | 316 | 520 | 64,216 | 15,400 |
| Kerr | KCW | 8,663 | 1,765 | 134 | 8,374 | 2,044 | 341,918 | 121,673 |
| Kerr Co | | 20,781 | 3,968 | 2, 947 | 0,374 12,747 | 8,778 | 487,215 | 172,401 |
| Kerr CC | ounty | 20,701 | 3,908 | 2,947 | 12,141 | 0,776 | 401,210 | 172,401 |

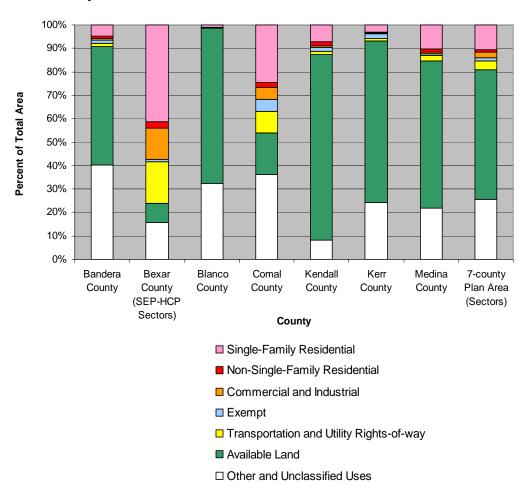
TABLE 3. Projected Distribution of General Land Uses in 2040 (acres).

| County | SEP- HCP Sector | Single- Family Res. | Non- Single- Family Res. | Comm. and Industrial | Exempt | Transp. and Utility ROW | Available Lands | Other and Unclass. Uses |
|---------|-----------------------|---------------------------|-----------------------------------|----------------------------|--------|----------------------------------|--------------------|-------------------------------|
| Medina | ZDMC | 4.280 | 937 | 443 | 704 | 1.233 | 35.852 | 12,502 |
| Medina | ZEMC1 | 34,918 | 2,629 | 3,003 | 4,777 | 8,684 | 63,299 | 12,419 |
| Medina | ZHMC | 2,776 | 480 | 241 | 383 | 734 | 90,061 | 18,554 |
| Medina | ZNCMC | 21,304 | 839 | 338 | 537 | 3,666 | 115,278 | 57,819 |
| Medina | ZNMC | 15,017 | 1,409 | 709 | 1,129 | 3,185 | 46,629 | 3,424 |
| Medina | ZWMC | 10,430 | 3,677 | 158 | 251 | 1,546 | 186,218 | 81,413 |
| Medina | County | 88,725 | 9,970 | 4,891 | 7,781 | 19,049 | 537,337 | 186,131 |
| 7-COUNT | = | 387,824 | 40,049 | 78,009 | 55,571 | 131,445 | 2,012,629 | 933,190 |

Source: WDA 2010.

Notes:

FIGURE 3. Projected Relative Distribution of Land Uses in the SEP-HCP Plan Area in 2040.



^{*}Includes only portions of Bexar County and the Plan Area that are within a SEP-HCP sector.

Table 4 summarizes the projected level of new development for the SEP-HCP Plan Area between 2010 and 2040, based on the WDA land use analysis. The WDA land use projections estimate that approximately 241,000 acres of available undeveloped land will be converted to developed land uses between 2010 and 2040, at an average pace of approximately 7,800 acres per year. The Bexar County sectors are projected to experience the most new development during this period (approximately 85,000 acres); although, adjacent Comal County and Medina County are also projected to experience a high degree of new development (approximately 73,000 acres and 42,000 acres, respectively).

TABLE 4. Projected Acres of New Development in the SEP-HCP Plan Area (2010 - 2040).

| County | County SEP-HCP Sector | | Average Annual Acre Increase in New Development (2010 - 2040) | |
|-------------|--------------------------|------------|---|--|
| Bandera | ZCBC | 3,780 | 122 | |
| | | · | | |
| Bandera | ZEBC1 | 1,261 | 41 | |
| Bandera | ZEBC2 | 925 | 30 | |
| Bandera | ZWBC | 2,988 | 96 | |
| Bandera Cou | unty | 8,955 | 289 | |
| Bexar | FN | 14,920 | 481 | |
| Bexar | FNE | 13,630 | 440 | |
| Bexar | FNW | 18,357 | 592 | |
| Bexar | FW | 22,445 | 724 | |
| Bexar | NC | 3,875 | 125 | |
| Bexar | NE | 3,443 | 111 | |
| Bexar | NW | 6,907 | 223 | |
| Bexar | W | 1,684 | 54 | |
| Bexar Co | unty* | 85,260 | 2,750 | |
| Blanco | ZNBC | 422 | 14 | |
| | ZSBC | 423 971 | | |
| Blanco | Blanco County | | 31 45 | |
| Bianco Co | bunty | 1,395 | 45 | |
| Comal | FNCC | 10,457 | 337 | |
| Comal | ECC3 | 10,769 | 347 | |
| Comal | NCC3 | 3,937 | 127 | |
| Comal | SCC | 19,849 | 640 | |
| Comal | WCC5 | 23,888 | 771 | |
| Comal | ZNB | 4,347 | 140 | |
| Comal Co | ounty | 73,247 | 2,363 | |
| Kendall | ZEKC | 7,057 | 228 | |
| Kendall | ZNKC | 5,881 | 190 | |
| Kendall | ZWKC | 5,642 | 182 | |
| Kendall C | | 18,580 | 599 | |
| Kerr | KCC | 4,751 | 153 | |
| Kerr | KCNE | 3,704 | 119 | |
| Veli | NONE | 3,704 | 119 | |

TABLE 4. Projected Acres of New Development in the SEP-HCP Plan Area (2010 - 2040).

| County | County SEP-HCP Sector | | Average Annual Acre Increase in New Development (2010 - 2040) | |
|--|--------------------------------------|--|---|--|
| Kerr | KCSC | 649 | 21 | |
| Kerr | KCSE | 918 | 30 | |
| Kerr | KCW | 2,051 | 66 | |
| Kerr Cou | nty | 12,074 | 389 | |
| Medina Medina Medina Medina Medina Medina | ZDMC ZEMC1 ZHMC ZNCMC ZNMC ZNMC ZWMC | 2,034 25,505 922 2,440 5,636 5,106 41,642 | 66 823 30 79 182 165 1,343 | |
| 7-COUNTY P | PLAN AREA* | 241,152 | 7,779 | |

Source: WDA 2010.

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^{*}Includes only portions of Bexar County and the Plan Area that are within a SEP-HCP sector.

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