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# Technical Report Texas Rural Land Prices, 1990 

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## Director

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## Summary

The 1990 Texas rural land market registered a median price of $\$ 650$ per acre, unchanged from 1989. There were 3,874 sales recorded. The 1990 statistics indicate a virtually flat state-wide land market; this marks the first time since 1986 that the median price has not declined. Sales volume increased to nearly 4 percent more than 1989 , and the median tract size dropped to 135 acres from 141 acres. This decline in size reversed the trend begun in 1987. Nevertheless, state-wide median tract size remains well above the 1986 benchmark of 113 acres.
These combined facts suggest that the state-wide rural land market has stabilized after several years of decline. Table 1 and Figures 1 and 2 record the development of rural land prices in Texas from 1966 to 1990 in both nominal and real terms (nominal prices are adjusted for inflation). As the table shows, sizable state-wide declines in median price per acre followed the 1986 oil price collapse. From its historic high in 1985 at $\$ 1,050$ per acre, the median price registered 17 and 20 percent declines in the following two years. In 1988 and 1989, declines moderated to 6 and 2 percent respectively. The declines had destroyed more than 38 percent of the 1985 median price by 1989. However, the small drop registered from 1988 to 1989 hinted that the market was nearing bottom. The 1990 median price provides further evidence to support that conjecture.

This analysis presents general trends in Texas land markets. The data are highly aggregated and do not represent land prices or values for any particular farm, ranch or tract. The information provides a general guide to land market developments.

## 1990 Prices in Perspective

The 1990 median at $\$ 650$ per acre returns the market to 1979-80 levels. Gone are the gains registered in the early 1980s; landowners find that the net worth of their holdings have eroded. The decline, however, influenced the market more forcefully than even this comparison indicates. Specifically, when considering the real price per acre (the economic position of the market in 1966 dollars), the 1990 real median price of $\$ 162$ per acre dropped 5 percent from the 1989 level because of inflation. Thus, although the market appeared flat, landowners saw inflation continue to consume the worth of their land-based investments, and Texas rural land prices have fallen below the 1966 median price of $\$ 172$. The compound return on an acre of Texas rural land acquired in 1966 and sold in 1990 was zero after rounding (see Table 1).

All of the price growth registered through the 1970s and 1980s had evaporated by 1990.

Year-to-year changes in the deflated median price indicate three distinct eras for Texas rural land prices between 1966 and 1990. From 1966 to 1974, real land prices increased with large real gains accruing in 1973-74. This era was characterized by sustained growth. Substantial gains in 197374 followed the Russian wheat sale and the oil embargo with the resulting price increase and growth in the Texas population. Following these real gains, the market changed little through 1985. A real price increase ratcheted the median price upward in 1982 after adoption of a capital gains income tax cut. However, the real price varied between $\$ 271$ and $\$ 321$ per acre from 1975 through 1985, barely keeping up with inflation on the average (1982 excluded). From the mid-1970s through the mid1980s, real price stability characterized the Texas rural land market. The most recent era, one of real price declines, began in 1986 with a sizable drop to a real median price of $\$ 258$ per acre. That era persisted from 1986 through 1990, when the real price per acre at $\$ 162$ fell below the 1966 median of $\$ 172$ per acre. Therefore, the state-wide land market began the final decade of the century with prices below 1966 levels.

Table 1. Nominal and Real Changes in Median Price of Texas Rural Land, 1966-90

| Year | Median Tract Size (acres) | Nominal |  |  | Real |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Median <br> Price per Acre | Year-toYear Percentage Change | Annual Compound Pretax Growth Rate from 1966 | Deflated Median Price per Acre* | Year-toYear Percentage Change | Annual Compound Pretax Growth Rate from 1966 |
| 1966 | 120 | \$ 172 | **** | **** | \$172 | **** | **** |
| 1967 | 110 | 187 | 9 | 9 | 182 | 6 | 6 |
| 1968 | 101 | 200 | 7 | 8 | 187 | 3 | 4 |
| 1969 | 100 | 225 | 13 | 9 | 199 | 6 | 5 |
| 1970 | 107 | 245 | 9 | 9 | 205 | 3 | 4 |
| 1971 | 110 | 265 | 8 | 9 | 212 | 3 | 4 |
| 1972 | 120 | 295 | 11 | 9 | 228 | 8 | 5 |
| 1973 | 153 | 350 | 19 | 11 | 256 | 12 | 6 |
| 1974 | 150 | 425 | 21 | 12 | 280 | 9 | 6 |
| 1975 | 126 | 461 | 8 | 12 | 278 | -1 | 5 |
| 1976 | 128 | 475 | 3 | 11 | 271 | -3 | 5 |
| 1977 | 121 | 513 | 8 | 10 | 275 | 1 | 4 |
| 1978 | 126 | 576 | 12 | 11 | 287 | 4 | 4 |
| 1979 | 132 | 625 | 9 | 10 | 279 | -3 | 4 |
| 1980 | 138 | 715 | 14 | 11 | 282 | 1 | 4 |
| 1981 | 124 | 808 | 13 | 11 | 289 | 2 | 4 |
| 1982 | 105 | 946 | 17 | 11 | 318 | 10 | 4 |
| 1983 | 113 | 985 | 4 | 11 | 321 | 1 | 4 |
| 1984 | 125 | 1,000 | 2 | 10 | 314 | -2 | 3 |
| 1985 | 118 | 1,050 | 5 | 10 | 317 | 1 | 3 |
| 1986 | 113 | 870 | -17 | 8 | 258 | -19 | 2 |
| 1987 | 130 | 700 | -20 | 7 | 200 | -22 | 1 |
| 1988 | 139 | 661 | -6 | 6 | 181 | -10 | 0 |
| 1989 | 141 | 650 | -2 | 6 | 171 | -6 | 0 |
| 1990 | 135 | 650 | 0 | 6 | 162 | -5 | 0 |

*In 1966 dollars
Source: Real Estate Center at Texas A\&M University

## Local Land Market Developments

The depths of decline registered in nominal median prices for local Texas markets throughout the 1980s are shown in Table 2 (see Figure 3 for location). As indicated in the Peak Year column, regional land prices peaked at different times. Although the state-wide market peaked in 1985, Panhandle-North and Lower Rio Grande Valley land markets peaked as early as 1981. Both areas contain sizable acreage of strictly agricultural land.
In contrast, the Hill Country-West, Fort Worth Prairie, Dallas Prairie and Blacklands-North markets continued to post price increases until 1986. Land markets in these areas have thrived on nonagricultural demand for years and thereby were
insulated from the vagaries of agricultural income. These areas continued to advance even after agricultural areas began to decline. However, buyers in these markets were not shielded from the impact of the 1986 state-wide recession. As the recession reduced discretionary income, market prices began to fall.

The Trough Year column reveals the differences between local markets through variations in the timing of recovery. Agricultural areas typically reached bottom in 1987 as farm income began to improve. However, areas such as the Hill Country and Highland Lakes, dominated by nonagricultural buyers, continued to fall in 1990. Stability in those markets depends on returning prosperity in the nonagricultual sector of the economy. The 1989

Figure 1. Texas Nominal and Real Median Price per Acre for Texas Rural Land, 1966-90


Source: Real Estate Center at Texas A\&M University

Figure 2. Nominal and Real Year-to-Year Change in Median Price for Texas Rural Land, 1967-89


Source: Real Estate Center at Texas A\&M University

Table 2. Cumulative Percentage Reductions in Texas Rural Land Median Price per Acre, 1980-90

|  |  | Percentage Change <br> from Market Peak |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Land Market Area | Trough | Year | To Low | To 1990 |
| Year |  |  |  |  |
| 1 Panhandle-North | 1987 | -57 | -40 | 1981 |
| 2 Panhandle-Central | 1987 | -47 | -30 | 1982 |
| 3 South Plains | 1987 | -54 | -41 | 1982 |
| 4 Permian-West | 1987 | -55 | -27 | 1983 |
| 5 Canadian Breaks | 1988 | -46 | -37 | 1982 |
| 6 Rolling Plains-North | 1987 | -42 | -36 | 1984 |
| 7 Rolling Plains-Central | 1990 | -38 | -38 | 1982 |
| 8 Trans-Pecos | 1986 | -70 | -65 | 1983 |
| 9 Edwards Plateau-West | 1990 | -57 | -57 | 1985 |
| 10 Edwards Plateau-South | 1990 | -56 | -56 | -985 |
| 11 Rio Grande Plains | 1989 | -42 | -37 | 1984 |
| 12 North Central Plains | 1990 | -31 | -31 | 1985 |
| 13 Crosstimbers | 1989 | -40 | -32 | 1985 |
| 14 Hill Country-North | 1990 | -44 | -44 | 1985 |
| 15 Hill Country-West | 1990 | -44 | -44 | 1986 |
| 16 Highland Lakes | 1990 | -60 | -60 | -985 |
| 17 Hill Country-South | 1990 | -55 | -55 | 1985 |
| 18 San Antonio | 1990 | -48 | -48 | 1984 |
| 19 Coastal Prairie-North | 1989 | -39 | -38 | 1984 |
| 20 Coastal Prairie-South | 1990 | -46 | -46 | 1984 |
| 21 Coastal Prairie-Middle | 1988 | -41 | -38 | 1984 |
| 22 Texoma | 1989 | -30 | -27 | 1985 |
| 23 Fort Worth Prairie | 1990 | -36 | -36 | 1986 |
| 24 Dallas Prairie | 1990 | -45 | -45 | 1986 |
| 25 Blacklands-North | 1990 | -23 | -23 | 1986 |
| 26 Blacklands-South | 1990 | -62 | -62 | 1985 |
| 27 Brazos | 1990 | -39 | -39 | 1982 |
| 28 Houston | 1988 | -49 | -44 | 1984 |
| 29 Northeast | 1989 | -42 | -35 | 1985 |
| 30 Piney Woods-North | 1990 | -30 | -30 | 1984 |
| 31 Piney Woods-South | 1988 | -52 | -45 | 1984 |
| 32 Lower Rio Grande Valley | 1988 | -57 | -53 | 1981 |
| 33 El Paso | 1988 | -52 | -41 | 1984 |
| State | 1990 | -38 | -38 | 1985 |

Source: Real Estate Center Texas A\&M University
and 1990 state-wide median prices indicate either a bottoming of the market or at least a respite from the erosion registered in the era of price declines. Local trends, however, vary from the overall market dynamics (see Table 2). The land market areas (LMAs) listed in the table correspond to the areas outlined in Figure 3. Each area contains land with similar characteristics that is subject to similar eco-
nomic influences. Median prices for these areas reflect local market movements.

The Trend Analysis column in Table 3 shows the percentage change in median price per acre from 1989 to 1990. In 18 LMAs, median prices showed relatively small (less than 10 percent) changes from 1990 as evidenced in the flat state-wide results. In

Figure 3. Texas by Land Market Area


Source: Real Estate Center at Texas A\&M University

Table 3. Trends in Texas Rural Land Markets, 1989-90

| Land Market Area | Median Price per Acre |  | Trend Analysis <br> Change 1989-90 |  |  | Volume of Sales Analysis |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Number of Sales | Change 1989-90 |  |
|  | 1989 | 1990 |  |  |  | per Acre | (\%) | Test | 1989 | 1990 | Number | (\%) |
| 1 | \$ 300 | \$ 372 | \$ 72 | 24 | * | 76 | 73 | -3 | -4 |
| 2 | 318 | 349 | 31 | 10 |  | 175 | 116 | -59 | -34 |
| 3 | 450 | 469 | 19 | 4 |  | 170 | 136 | -34 | -20 |
| 4 | 425 | 404 | -21 | -5 |  | 167 | 185 | 18 | 11 |
| 5 | 218 | 189 | -29 | -13 |  | NA | NA | NA | NA |
| 6 | 207 | 219 | 12 | 6 |  | 119 | 93 | -26 | -22 |
| 7 | 378 | 375 | -3 | -1 |  | 124 | 128 | 4 | 3 |
| 8 | 75 | 75 | 0 | 0 |  | NA | NA | NA | NA |
| 9 | 281 | 250 | -31 | -11 |  | 107 | 114 | 7 | 7 |
| 10 | 597 | 560 | -37 | -6 |  | 132 | 115 | -17 | -13 |
| 11 | 394 | 425 | 31 | 8 |  | 84 | 56 | -28 | -33 |
| 12 | 400 | 398 | -2 | -1 |  | 194 | 183 | -11 | -6 |
| 13 | 428 | 485 | 57 | 13 |  | 128 | 162 | 34 | 27 |
| 14 | 541 | 500 | -41 | -8 |  | 126 | 160 | 34 | 27 |
| 15 | 545 | 464 | -81 | -15 |  | 47 | 51 | 4 | 9 |
| 16 | 943 | 806 | -137 | -15 |  | 64 | 56 | -8 | -13 |
| 17 | 1,835 | 1,236 | -599 | -33 | * | NA | NA | NA | NA |
| 18 | 900 | 827 | -73 | -8 |  | 83 | 118 | 35 | 42 |
| 19 | 978 | 1,000 | 22 | 2 |  | 198 | 183 | -15 | -8 |
| 20 | 761 | 700 | -61 | -8 |  | 113 | 95 | -18 | -16 |
| 21 | 800 | 800 | 0 | 0 |  | 103 | 139 | 36 | 35 |
| 22 | 700 | 734 | 34 | 5 |  | 120 | 127 | 7 | 6 |
| 23 | 1,300 | 1,097 | -203 | -16 |  | 70 | 92 | 22 | 31 |
| 24 | 1,225 | 1,000 | -225 | -18 |  | 134 | 115 | -19 | -14 |
| 25 | 850 | 770 | -80 | -9 | * | 214 | 279 | 65 | 30 |
| 26 | 1,200 | 957 | -243 | -20 | ** | 157 | 153 | -4 | -3 |
| 27 | 1,196 | 1,061 | -135 | -11 |  | 192 | 200 | 8 | 4 |
| 28 | 1,467 | 1,566 | 99 | 7 |  | 151 | 173 | 22 | 15 |
| 29 | 516 | 575 | 59 | 11 |  | 208 | 267 | 59 | 28 |
| 30 | 874 | 850 | -24 | -3 |  | 141 | 119 | -22 | -16 |
| 31 | 803 | 880 | 77 | 10 |  | NA | 35 | NA | NA |
| 32 | 1,250 | 1,329 | 79 | 6 |  | 56 | 73 | 17 | 30 |
| 33 | 4,109 | 3,107 | $(1,002)$ | -24 |  | NA | NA | NA | NA |
| State | \$ 650 | \$ 650 | \$ 0 | 0 |  | 3,737 | 3,874 | 137 | 4 |

[^0]ten LMAs, however, median prices declined more than 10 percent in 1990, indicating weakness in many local land markets. On the positive side, three areas posted a 1990 median more than 10 percent above 1989 levels.

Market-wide trends from 1989 to 1990 are shown in LMAs with an asterisk(s) in the Test column, Table 3. Statistical testing identified the Pan-handle-North (LMA 1) as particularly vigorous, with prices moving strongly upward on a broad
base and the numbers of sales remaining nearly constant.

Other areas with statistically significant trends deteriorated. The Hill Country-South (LMA 17) fared poorly with the median price per acre dropping from $\$ 1,835$ in 1989 to $\$ 1,236$ in 1990. This highly scenic area had resisted sizable price declines throughout the 1980s; however, in 1990 prices fell dramatically as sales activity increased. Declines also plagued the Blacklands-North (LMA 25) and Blacklands-South (LMA 26). Even the prospect of the supercollider project could not prevent the Blacklands-North decline from a median of $\$ 850$ per acre in 1989 to $\$ 770$ in 1990. The adjacent Blacklands-South (LMA 26) registered a substantial 20 percent fall from $\$ 1,200$ per acre in 1989 to $\$ 957$ in 1990. Dormant markets around Austin and active rural markets combined to make the 1990 market one of the weakest on record for this area.

The remaining areas with declines of greater than 10 percent included Canadian Breaks (LMA 5), Edwards Plateau - West (LMA 9), Hill Coun-try-West (LMA 15), Highland Lakes (LMA 16), Fort Worth Prairie (LMA 23), Dallas Prairie (LMA 24) and Brazos (LMA 27). Testing in these areas did not verify the changes as regionwide. This test result frequently indicates that the observed declines are centered in particular locations within the area. For example, in the Highland Lakes area, activity in the Gillespie County market was light. Because prices in this county typically are among the highest in the area, lack of activity there results in a dearth of high priced sales. Conversely, in the Hill Country-West, Menard County contributed an unusually large number of sales at low prices. Similarly, the Brazos market area decline stems from reduced activity in its higher priced counties.

The Canadian Breaks and Fort Worth Prairie areas adjusted to a more normal distribution of sales in 1990 after 1989 market activity centered in particular parts of those areas. Similarly, the statistically significant increase in the Northeast (LMA 29) area occurred when the 1990 market returned to a normal pattern after numerous sales of acquired properties by lenders in specific counties in 1989. However, declines in the Edwards PlateauWest and Dallas Prairie do not appear to be associated with any particular county.
At the local level, the 1990 rural land market presented a confusing picture with most areas revealing little movement up or down. Broad-based increases appear to have been confined to farming areas in the Panhandle while broad-based declines
centered in the Hill Country. Most local markets evidenced little change.

## Variations in Local Land Markets

Local median prices exemplify typical local markets. However, prices within those land market areas vary with location and quality. The degree of local variation inherent in the 1990 Texas rural land market is shown in Tables 4 through 6. The lower and upper price per acre quartiles, which are the 25 th and 75 th percentiles respectively, are given in Table 4. Of all reported sales, 25 percent are equal to or less than $\$ 413$ per acre statewide. Similarly, 75 percent of 1990 reported sales ranged at or below \$1,000 per acre. Individual quartiles indicate these quantities for each local market.

The owner of a typical acre of rural land could expect to sell at the median price. However, the median from a set of sales only estimates the median for all land. Therefore, the real median may differ from the estimate. A statistical device called a confidence interval provides the likely precision of the estimated median relative to all land. A 95 percent confidence interval for the median price in each area is presented in Table 5. The confidence interval for the state-wide median of $\$ 650$ per acre ranges from $\$ 625$ to $\$ 665$ per acre. Chances are 19 to one that the typical acre of Texas rural land in 1990 should have commanded a price between $\$ 625$ and \$665. Intervals for each land market area express similarly interpreted ranges for each local market.

The limits of the confidence interval in Table 5 relative to 1989 median prices for each land market area are shown in Table 6. The median price per acre from 1989 may have declined 4 percent or increased 2 percent in 1990 according to limits of the confidence interval.

## Tract Size Variations

Size of tracts sold can influence the price per acre. Specifically, price per acre typically declines as property size increases. Thus, size variations can affect the median price observed in a market. Consequently, price changes in areas with statistically significant shifts in the size of tracts sold could be associated with size and not with market shifts. In other words, a shift could result from a change in market composition rather than a trend in prices. For example, high cattle prices may encourage the purchase of ranch land while low cotton prices might discourage farmland acquisition. More ranches probably would sell in such a market. Because ranches generally are larger than farms, the typical size would expand and price per acre would

Table 4. Distribution of Nominal Price per Acre of Texas Rural Land, 1990

| Land Market Area | Number of Sales | Price per Acre |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Lower Quartile* | Median | $\begin{gathered} \text { Upper } \\ \text { Quartile** } \end{gathered}$ |
| 1 Panhandle-North | 73 | 250 | 372 | 475 |
| 2 Panhandle-Central | 116 | 248 | 349 | 519 |
| 3 South Plains | 136 | 375 | 469 | 600 |
| 4 Permian-West | 185 | 275 | 404 | 550 |
| 5 Canadian Breaks | NA | 150 | 189 | 243 |
| 6 Rolling Plains-North | 93 | 150 | 219 | 291 |
| 7 Rolling Plains-Central | 128 | 283 | 375 | 475 |
| 8 Trans-Pecos | NA | 49 | 75 | 165 |
| 9 Edwards Plateau-West | 114 | 188 | 250 | 400 |
| 10 Edwards Plateau-South | 115 | 400 | 560 | 878 |
| 11 Rio Grande Plains | 56 | 330 | 425 | 550 |
| 12 North Central Plains | 183 | 305 | 398 | 521 |
| 13 Crosstimbers | 162 | 350 | 485 | 714 |
| 14 Hill Country-North | 160 | 400 | 500 | 650 |
| 15 Hill Country-West | 51 | 356 | 464 | 729 |
| 16 Highland Lakes | 56 | 638 | 806 | 1,006 |
| 17 Hill Country-South | NA | 748 | 1,236 | 1,633 |
| 18 San Antonio | 118 | 646 | 827 | 1,258 |
| 19 Coastal Prairie-North | 183 | 700 | 1,000 | 1,450 |
| 20 Coastal Prairie-South | 95 | 550 | 700 | 926 |
| 21 Coastal Prairie-Middle | 139 | 608 | 800 | 1,100 |
| 22 Texoma | 127 | 500 | 734 | 1,031 |
| 23 Fort Worth Prairie | 92 | 713 | 1,097 | 1,852 |
| 24 Dallas Prairie | 115 | 721 | 1,000 | 1,525 |
| 25 Blacklands-North | 279 | 600 | 770 | 1,000 |
| 26 Blacklands-South | 153 | 675 | 957 | 1,359 |
| 27 Brazos | 200 | 842 | 1,061 | 1,865 |
| 28 Houston | 173 | 1,000 | 1,566 | 2,344 |
| 29 Northeast | 267 | 435 | 575 | 879 |
| 30 Piney Woods-North | 119 | 725 | 850 | 1,123 |
| 31 Piney Woods-South | 35 | 750 | 880 | 1,100 |
| 32 Lower Rio Grande Valley | 73 | 1,000 | 1,329 | 2,005 |
| 33 El Paso | NA | 2,900 | 3,107 | 3,425 |
| State | 3,874 | 413 | 650 | 1,000 |

*Twenty-five percent of the sales had prices equal to or less than this price.
**Seventy-five percent of the sales had prices equal to or less than this price.
NA indicates fewer than 30 sales reported.
Source: Real Estate Center at Texas A\&M University
drop. However, as commodity prices returned to a more normal relationship, the mix of properties would include more farmland and the typical price per acre would rise. Observing price changes alone would be misleading in both cases. Basic econcmic conditions affecting land prices remained the same; only the size of the tracts sold changed in this hypothetical example.

Analyses of tract size in the 1990 Texas rural land market are presented in Tables 7 through 9. Interpretation of the tables parallels the discussion of Tables 4 through 6. Only the Canadian Breaks registered a significant shift in properties for which the median rose 128 percent-from 480 acres to 1,092 . This large expansion in tract size reflects the disproportionate number of large acreage tracts

Table 5. Confidence Intervals of 95 percent for Median Price per Acre, 1990

| Land Market Area | Number of Sales | Price per Acre |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Lower Limit | Median | Upper Limit |
| 1 Panhandle-North | 73 | \$ 339 | 372 | \$ 402 |
| 2 Panhandle-Central | 116 | 300 | 349 | 400 |
| 3 South Plains | 136 | 440 | 469 | 500 |
| 4 Permian-West | 185 | 362 | 404 | 452 |
| 5 Canadian Breaks | NA | 150 | 189 | 236 |
| 6 Rolling Plains-North | 93 | 175 | 219 | 250 |
| 7 Rolling Plains-Central | 128 | 333 | 375 | 400 |
| 8 Trans-Pecos | NA | 50 | 75 | 136 |
| 9 Edwards Plateau-West | 114 | 218 | 250 | 270 |
| 10 Edwards Plateau-South | 115 | 510 | 560 | 610 |
| 11 Rio Grande Plains | 56 | 347 | 425 | 470 |
| 12 North Central Plains | 183 | 360 | 398 | 413 |
| 13 Crosstimbers | 162 | 425 | 485 | 506 |
| 14 Hill Country-North | 160 | 460 | 500 | 531 |
| 15 Hill Country-West | 51 | 392 | 464 | 540 |
| 16 Highland Lakes | 56 | 700 | 806 | 940 |
| 17 Hill Country-South | NA | 750 | 1,236 | 1,523 |
| 18 San Antonio | 118 | 750 | 827 | 900 |
| 19 Coastal Prairie-North | 183 | 875 | 1,000 | 1,042 |
| 20 Coastal Prairie-South | 95 | 625 | 700 | 792 |
| 21 Coastal Prairie-Middle | 139 | 738 | 800 | 900 |
| 22 Texoma | 127 | 633 | 734 | 824 |
| 23 Fort Worth Prairie | 92 | 825 | 1,097 | 1,487 |
| 24 Dallas Prairie | 115 | 900 | 1,000 | 1,200 |
| 25 Blacklands-North | 279 | 725 | 770 | 800 |
| 26 Blacklands-South | 153 | 868 | 957 | 1,000 |
| 27 Brazos | 200 | 1,000 | 1,061 | 1,225 |
| 28 Houston | 173 | 1,375 | 1,566 | 1,758 |
| 29 Northeast | 267 | 522 | 575 | 640 |
| 30 Piney Woods-North | 119 | 800 | 850 | 924 |
| 31 Piney Woods-South | 35 | 750 | 880 | 1,041 |
| 32 Lower Rio Grande Valley | 73 | 1,100 | 1,329 | 1,800 |
| 33 El Paso | NA | 2,300 | 3,107 | 6,000 |
| State | 3,874 | \$ 625 | [ 650 | \$ 665 |

sold in 1990. The apparent price decline for the Canadian Breaks indicates the sale of many more ranches in 1990 compared to 1989. Similarly, tract size in the Panhandle-North shrank by a sizable acreage. Although this change was not statistically significant, reduced size would tend to increase the median price per acre. Therefore, the 24 percent
increase indicated in Table 3 for the PanhandleNorth may overstate the strength of this market.

## Conclusions and Outlook

The 1990 state-wide market provides evidence that the long slide in Texas land prices has abated. However, analysis of sales does not point to a

Table 6. Limits of the 95 Percent Confidence Interval on Price per Acre as a Percentage of 1989 Median Price

| Land Market Area | Percent Change |  |  |
| :---: | :---: | :---: | :---: |
|  | Lower Limit | Median | Upper Limit |
| 1 Panhandle-North | 13 | 24 | 34 |
| 2 Panhandle-Central | -6 | 10 | 26 |
| 3 South Plains | -2 | 4 | 11 |
| 4 Permian-West | -15 | -5 | 6 |
| 5 Canadian Breaks | -31 | -13 | 8 |
| 6 Rolling Plains-North | -15 | 6 | 21 |
| 7 Rolling Plains-Central | -12 | -1 | 6 |
| 8 Trans-Pecos | -33 | 0 | 81 |
| 9 Edwards Plateau-West | -22 | -11 | -4 |
| 10 Edwards Plateau-South | -15 | -6 | 2 |
| 11 Rio Grande Plains | -12 | 8 | 19 |
| 12 North Central Plains | -10 | -1 | 3 |
| 13 Crosstimbers | -1 | 13 | 18 |
| 14 Hill Country-North | -15 | -8 | -2 |
| 15 Hill Country-West | -28 | -15 | -1 |
| 16 Highland Lakes | -26 | -15 | 0 |
| 17 Hill Country-South | -59 | -33 | -17 |
| 18 San Antonio | -17 | -8 | 0 |
| 19 Coastal Prairie-North | -11 | 2 | 7 |
| 20 Coastal Prairie-South | -18 | -8 | 4 |
| 21 Coastal Prairie-Middle | -8 | 0 | 13 |
| 22 Texoma | -10 | 5 | 18 |
| 23 Fort Worth Prairie | -37 | -16 | 14 |
| 24 Dallas Prairie | -27 | -18 | -2 |
| 25 Blacklands-North | -15 | -9 | -6 |
| 26 Blacklands-South | -28 | -20 | -17 |
| 27 Brazos | -16 | -11 | 2 |
| 28 Houston | -6 | 7 | 20 |
| 29 Northeast | 1 | 11 | 24 |
| 30 Piney Woods-North | -8 | -3 | 6 |
| 31 Piney Woods-South | -7 | 10 | 30 |
| 32 Lower Rio Grande Valley | -12 | 6 | 44 |
| 33 El Paso | -44 | -24 | 46 |
| State | -4 | 0 | 2 |

Source: Real Estate Center at Texas A\&M University
rising market statewide. Rather, local changes suggest that regional weakness persists and that any broad-based recovery in land prices will be gradual.

In the 1970s and early 1980s, all land categories found ready buyers. However, the market decline throughout the 1980s caused buyers to change
their focus. Quality has assumed a much greater importance in the 1990s. The result is a two-tier market with high quality properties attracting strong bids while unexceptional and poor properties generate little or no interest. Clearly, this renewed emphasis on quality will strengthen prices for quality properties and weaken prospects for average-to-poor tracts.

Table 7. Tract Size Changes in Texas Rural Land Sold, 1989-90

| Land Market Area | $\begin{gathered} \text { Median Size } \\ \text { Acres } \\ \hline \end{gathered}$ |  | Shifts in Size |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Change 1989-90 |  |  |
|  | 1989 | 1990 | Acres | (\%) | Test |
| 1 Panhandle-North | 471 | 322 | -149 | -32 |  |
| 2 Panhandle-Central | 320 | 320 | 0 | 0 |  |
| 3 South Plains | 178 | 160 | -18 | -10 |  |
| 4 Permian-West | 189 | 180 | -9 | -5 |  |
| 5 Canadian Breaks | 480 | 1,092 | 612 | 128 | (*) |
| 6 Rolling Plains-North | 205 | 210 | 5 | 2 |  |
| 7 Rolling Plains-Central | 154 | 160 | 6 | 4 |  |
| 8 Trans-Pecos | 5,528 | 6,118 | 590 | 11 |  |
| 9 Edwards Plateau-West | 452 | 488 | 36 | 8 |  |
| 10 Edwards Plateau-South | 174 | 191 | 17 | 10 |  |
| 11 Rio Grande Plains | 743 | 669 | -74 | -10 |  |
| 12 North Central Plains | 160 | 162 | 2 | 1 |  |
| 13 Crosstimbers | 165 | 159 | -6 | -4 |  |
| 14 Hill Country-North | 186 | 201 | 15 | 8 |  |
| 15 Hill Country-West | 235 | 305 | 70 | 30 |  |
| 16 Highland Lakes | 156 | 141 | -15 | -10 |  |
| 17 Hill Country-South | 155 | 147 | -8 | -5 |  |
| 18 San Antonio | 99 | 97 | -2 | -2 |  |
| 19 Coastal Prairie-North | 86 | 78 | -8 | -9 |  |
| 20 Coastal Prairie-South | 152 | 136 | -16 | -11 |  |
| 21 Coastal Prairie-Middle | 100 | 120 | 20 | 20 |  |
| 22 Texoma | 80 | 79 | -1 | -1 |  |
| 23 Fort Worth Prairie | 58 | 72 | 14 | 24 |  |
| 24 Dallas Prairie | 74 | 73 | -1 | -1 |  |
| 25 Blacklands-North | 96 | 100 | 4 | 4 |  |
| 26 Blacklands-South | 82 | 90 | 8 | 10 |  |
| 27 Brazos | 79 | 68 | -11 | -14 |  |
| 28 Houston | 70 | 60 | -10 | -14 |  |
| 29 Northeast | 94 | 85 | -9 | -10 |  |
| 30 Piney Woods-North | 79 | 86 | 7 | 9 |  |
| 31 Piney Woods-South | 55 | 61 | 6 | 11 |  |
| 32 Lower Rio Grande Valley | 41 | 39 | -2 | -5 |  |
| 33 El Paso | 79 | 65 | (14) | -18 |  |
| State | 141 | 135 | -6 | -4 |  |

Note: Test column shows the result of a Mann-Whitney test of the indicated changes

* Indicates significance at the 95 percent level; all others showed no statistically verifiable trend.
** Indicates significance at the 99 percent level.
Source: Real Estate Center at Texas A\&M University

The farm program adopted in 1990 threatens to reduce agricultural income. Some farmers may experience financial difficulties when faced with the unfolding operating environment. This may give potential buyers of farmland a reason to wait, but long-term effects of these changes are uncertain. Although price declines do not appear imminent, the recovery in farmland areas may waver.

Rangeland markets are active but at prices below recent levels. Areas such as the brush country of the Rio Grande Plains (LMA 11) have improved with the influx of oil-related income from horizontal drilling and vastly lower land prices. Land in these areas will continue to sell at low prices. However, prospects for areas such as the Hill Country-South (LMA 17) appear less

Table 8. Acreage Distribution of Texas Rural Land Sales in 1990

| Land Market Area | Number of Sales | Size in Acres |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Lower Quartile* | Median |  |
| 1 Panhandle-North | 73 | 260 | 322 | 640 |
| 2 Panhandle-Central | 116 | 160 | 320 | 554 |
| 3 South Plains | 136 | 130 | 160 | 320 |
| 4 Permian-West | 185 | 160 | 180 | 345 |
| 5 Canadian Breaks | NA | 636 | 1,092 | 2,880 |
| 6 Rolling Plains-North | 93 | 140 | 210 | 637 |
| 7 Rolling Plains-Central | 128 | 108 | 160 | 320 |
| 8 Trans-Pecos | NA | 1,789 | 6,118 | 13,101 |
| 9 Edwards Plateau-West | 114 | 207 | 488 | 1,671 |
| 10 Edwards Plateau-South | 115 | 98 | 191 | 427 |
| 11 Rio Grande Plains | 56 | 286 | 669 | 2,388 |
| 12 North Central Plains | 183 | 100 | 162 | 320 |
| 13 Crosstimbers | 162 | 95 | 159 | 295 |
| 14 Hill Country-North | 160 | 135 | 201 | 320 |
| 15 Hill Country - West | 51 | 146 | 305 | 638 |
| 16 Highland Lakes | 56 | 83 | 141 | 431 |
| 17 Hill Country-South | NA | 91 | 147 | 630 |
| 18 San Antonio | 118 | 59 | 97 | 178 |
| 19 Coastal Prairie-North | 183 | 47 | 78 | 141 |
| 20 Coastal Prairie-South | 95 | 80 | 136 | 320 |
| 21 Coastal Prairie-Middle | 139 | 63 | 120 | 240 |
| 22 Texoma | 127 | 42 | 79 | 135 |
| 23 Fort Worth Prairie | 92 | 38 | 72 | 167 |
| 24 Dallas Prairie | 115 | 40 | 73 | 124 |
| 25 Blacklands-North | 279 | 50 | 100 | 193 |
| 26 Blacklands-South | 153 | 46 | 90 | 145 |
| 27 Brazos | 200 | 43 | 68 | 119 |
| 28 Houston | 173 | 40 | 60 | 142 |
| 29 Northeast | 267 | 50 | 85 | 156 |
| 30 Piney Woods-North | 119 | 56 | 86 | 153 |
| 31 Piney Woods-South | 35 | 45 | 61 | 115 |
| 32 Lower Rio Grande Valley | 73 | 20 | 39 | 75 |
| 33 El Paso | NA | 45 | 65 | 127 |
| State | 3,874 | 64 | 135 | 291 |

*Twenty-five percent of the sales had prices equal to or less than this price.
**Seventy-five percent of the sales had prices equal to or less than this price. NA Signifies fewer than 30 sales reported.
Source: Real Estate Center Texas A\&M University
optimistic. As noted, this area recorded a 33 percent price decline. Although this drop was precipitous, the 1990 median exceeds the median for the adjacent Highland Lakes (LMA 16) and San Antonio (LMA 18) areas by approximately $\$ 400$ pe: acre. Motivated sellers and reluctant buyers may combine to move this market lower.

Lack of financing remains a major concern. Many traditional lenders such as local banks and life insurance companies continue to shun rural land markets. Seller financing and the Farm Credit Bank of Texas remain the primary sources of purchase money for rural land.

Table 9. Confidence Intervals of 95 percent for Tract Size of Texas Rural Land, 1990

|  |  | Acres |  |  |
| :--- | ---: | ---: | ---: | ---: |
| Land Market Area | Number <br> of Sales | Limit | Median | Upper |
| Limit |  |  |  |  |
| 1 Panhandle-North | 73 | 320 | 322 | 513 |
| 2 Panhandle-Central | 116 | 299 | 320 | 320 |
| 3 South Plains | 136 | 160 | 160 | 203 |
| 4 Permian-West | 185 | 177 | 180 | 238 |
| 5 Canadian Breaks | NA | 636 | 1,092 | 2,764 |
| 6 Rolling Plains-North | 93 | 160 | 210 | 320 |
| 7 Rolling Plains-Central | 128 | 158 | 160 | 214 |
| 8 Trans-Pecos | NA | 1,920 | 6,118 | 10,372 |
| 9 Edwards Plateau-West | 114 | 320 | 488 | 645 |
| 10 Edwards Plateau-South | 115 | 135 | 191 | 283 |
| 11 Rio Grande Plains | 56 | 490 | 669 | 1,052 |
| 12 North Central Plains | 183 | 158 | 162 | 186 |
| 13 Crosstimbers | 162 | 126 | 159 | 184 |
| 14 Hill Country-North | 160 | 182 | 201 | 235 |
| 15 Hill Country-West | 51 | 216 | 305 | 350 |
| 16 Highland Lakes | 56 | 99 | 141 | 216 |
| 17 Hill Country-South | NA | 99 | 147 | 274 |
| 18 San Antonio | 118 | 76 | 97 | 110 |
| 19 Coastal Prairie-North | 183 | 69 | 78 | 91 |
| 20 Coastal Prairie-South | 95 | 107 | 136 | 169 |
| 21 Coastal Prairie-Middle | 139 | 98 | 120 | 149 |
| 22 Texoma | 127 | 56 | 79 | 92 |
| 23 Fort Worth Prairie | 92 | 51 | 72 | 91 |
| 24 Dallas Prairie | 115 | 53 | 73 | 84 |
| 25 Blacklands-North | 279 | 85 | 100 | 107 |
| 26 Blacklands-South | 153 | 70 | 90 | 100 |
| 27 Brazos | 200 | 57 | 68 | 79 |
| 28 Houston | 173 | 53 | 60 | 78 |
| 29 Northeast | 267 | 72 | 85 | 97 |
| 30 Piney Woods-North | 119 | 74 | 86 | 109 |
| 31 Piney Woods-South | 35 | 50 | 61 | 80 |
| 32 Lower Rio Grande Valley | 73 | 30 | 39 | 45 |
| 33 El Paso | NA | 28 | 65 | 300 |
| State | 3,874 | 128 | 135 | 142 |

NA indicates fewer than 30 sales reported.
Source: Real Estate Center Texas A\&M University

Inventories of acquired properties continue to affect local markets. However, most of the lenderowned rural land in the Panhandle has returned to private hands. Lenders in the Hill Country and surrounding area may accumulate more property until widespread markets strengthen. Federal Deposit Insurance Corporation (FDIC) and Resolution Trust Corporation (RTC) inventories have not surfaced as a widespread major influence in the rural land market. Although questions remain, most observers do not believe the FDIC or RTC hold significant amounts of rural land.

On the positive side, real estate agents and sellers of acquired properties report greater buyer activity in rural land markets. These reports suggest that some buyers believe current prices are a bargain and have moved to acquire land before the market recovers. The fact that real prices have declined to 1966 levels justifies this belief and merits consideration by potential land buyers.

## Appendix A

## Inventory of Texas Rural Land

The following tables contain statistics on land devoted to different agricultural uses. These estimates are derived from data collected by the State Property Tax Board from tax rolls in each Texas school district. The tables include the total area in acres and square miles, median school property taxes based on both agricultural value and market value, median estimated income and median assessed value for each type of land. Because all Texas land is subject to school taxes, this inventory covers the entire stock of rural land devoted to agricultural uses.
Open-space taxation is based on land productivity and open-space taxes depend on the estimated net income. Market-value taxation ignores productivity valuation and bases taxes on current land values. The assessed market value serves as a base for school taxes.

| Panhandle-North Land Market Area 1 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | ool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Improved pasture | 216 | 0 | 0 | 1.00 | 8.18 | 13.82 | 865 |
| Irrigated cropland | 550,350 | 860 | 13 | 1.96 | 4.68 | 26.10 | 456 |
| Native pasture | 2,235,130 | 3,492 | 52 | 0.33 | 0.85 | 4.36 | 90 |
| Nonirrigated cropland | 1,540,045 | 2,406 | 36 | 0.98 | 1.93 | 12.85 | 229 |
| Other | 1,301 | 2 | 0 | 5.28 | 0.02 | 59.85 | 2 |
| Total | 4,327,042 | 6,761 | 100 |  |  |  |  |


| Panhandle-Central Land Market Area 2 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | nool <br> ty Taxes <br> Market Value (\$/acre) |  | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 7,804 | 12 | 0 | 0.12 | 0.14 | 1.24 | 13 |
| Improved pasture | 27,119 | 42 | 1 | 0.38 | 1.04 | 5.03 | 111 |
| Irrigated cropland | 750,377 | 1,172 | 15 | 2.47 | 5.03 | 33.72 | 508 |
| Native pasture | 2,155,262 | 3,368 | 43 | 0.37 | 1.12 | 4.90 | 104 |
| Nonirrigated cropland | 2,078,485 | 3,248 | 41 | 1.23 | 2.08 | 15.88 | 215 |
| Other | 8 | - | 0 | 3.07 | 0.00 | 47.62 | 0 |
| Total | 5,019,055 | 7,842 | 100 |  |  |  |  |


| South Plains Land Market Area 3 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | Propert <br> Open <br> Space <br> (\$/acre) | ool <br> y Taxes <br> Market Value <br> (\$/acre) | Estimated Net Income (\$/acre) | $\begin{aligned} & \text { Assessed } \\ & \text { Market } \\ & \text { Value } \\ & \text { (\$/acre) } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 166,173 | 260 | 4 | 0.31 | 0.50 | 4.24 | 57 |
| Improved pasture | 9,163 | 14 | 0 | 0.42 | 2.20 | 5.34 | 237 |
| Irrigated cropland | 795,189 | 1,242 | 17 | 2.90 | 5.52 | 40.08 | 592 |
| Native pasture | 1,440,921 | 2,251 | 30 | 0.31 | 0.77 | 3.96 | 85 |
| Nonirrigated cropland | 2,317,687 | 3,621 | 49 | 1.56 | 2.76 | 21.52 | 303 |
| Other | 838 | 1 | 0 | 0.80 | 0.00 | 15.35 | 0 |
| Total | 4,729,971 | 7,391 | 100 |  |  |  |  |


| Permian-West Land Market Area 4 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | ool <br> y Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 172,286 | 269 | 3 | 0.04 | 0.15 | 0.64 | 17 |
| Improved pasture | 108,079 | 169 | 2 | 0.35 | 0.94 | 5.47 | 121 |
| Irrigated cropland | 979,139 | 1,530 | 15 | 2.24 | 4.53 | 28.29 | 482 |
| Native pasture | 2,622,085 | 4,097 | 41 | 0.22 | 0.83 | 2.89 | 85 |
| Nonirrigated cropland | 2,474,605 | 3,867 | 39 | 1.27 | 2.41 | 16.35 | 265 |
| Orchard | 1,264 | 2 | 0 | 2.90 | 10.77 | 29.88 | 1,188 |
| Other | 6,807 | 11 | 0 | 1.57 | 0.02 | 21.84 | 3 |
| Total | 6,364,265 | 9,944 | 100 |  |  |  |  |


| Canadian Breaks Land Market Area 5 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total | Propert <br> Open <br> Space <br> (\$/acre) | ool <br> Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 19,940 | 31 | 1 | 0.04 | 0.36 | 0.62 | 45 |
| Irrigated cropland | 48,320 | 76 | 1 | 1.08 | 4.03 | 17.02 | 385 |
| Native pasture | 2,648,455 | 4,138 | 81 | 0.29 | 1.17 | 3.42 | 123 |
| Nonirrigated cropland | 531,666 | 831 | 16 | 0.90 | 2.48 | 10.60 | 230 |
| Other | 6,371 | 10 | 0 | 1.33 | 0.01 | 14.89 | 1 |
| Total | 3,254,752 | 5,086 | 100 |  |  |  |  |


| Rolling Plains-North Land Market Area 6 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | nool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 126,101 | 197 | 2 | 0.03 | 0.20 | 0.62 | 38 |
| Improved pasture | 36,252 | 57 | 1 | 0.46 | 1.16 | 7.04 | 153 |
| Irrigated cropland | 62,346 | 97 | 1 | 1.42 | 2.78 | 18.43 | 306 |
| Native pasture | 4,576,935 | 7,151 | 72 | 0.21 | 0.66 | 3.42 | 94 |
| Nonirrigated cropland | 1,512,357 | 2,363 | 24 | 0.74 | 1.87 | 11.83 | 203 |
| Orchard | 80 | 0 | 0 | 0.30 | 0.42 | 8.20 | 93 |
| Other | 32 | 0 | 0 | 4.33 | 0.00 | 57.66 | 0 |
| Total | 6,314,103 | 9,866 | 100 |  |  |  |  |


| Rolling Plains-Central Land Market Area 7 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | $\begin{array}{\|r} \text { Sch } \\ \text { Propert } \\ \\ \text { Open } \\ \text { Space } \\ \text { (\$/acre) } \\ \hline \end{array}$ | hool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 143,180 | 224 | 4 | 0.14 | 0.42 | 1.49 | 36 |
| Improved pasture | 205,111 | 320 | 5 | 0.94 | 3.93 | 10.42 | 333 |
| Irrigated cropland | 5,243 | 8 | 0 | 1.85 | 5.01 | 17.05 | 427 |
| Native pasture | 2,078,800 | 3,248 | 51 | 0.37 | 2.45 | 3.63 | 196 |
| Nonirrigated cropland | 1,613,170 | 2,521 | 40 | 1.27 | 5.25 | 13.64 | 470 |
| Orchard | 278 | 0 | 0 | 1.38 | 5.83 | 13.90 | 586 |
| Other | 1,834 | 3 | 0 | 0.94 | 0.05 | 12.07 | 5 |
| Total | 4,047,616 | 6,324 | 100 |  |  |  |  |


| Trans-Pecos <br> Land Market Area 8 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | hool <br> Market Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 2,674 | 4 | 0 | 0.01 | 0.12 | 0.15 | 10 |
| Irrigated cropland | 153,970 | 241 | 1 | 1.06 | 2.28 | 13.47 | 204 |
| Native pasture | 16,340,806 | 25,533 | 99 | 0.06 | 0.56 | 0.84 | 55 |
| Orchard | 1,898 | 3 | 0 | 1.73 | 2.34 | 23.85 | 247 |
| Total | 16,499,348 | 25,780 | 100 |  |  |  |  |


| Edwards Plateau-West Land Market Area 9 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | ool <br> ty Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 34,257 | 54 | 0 | 0.03 | 0.79 | 0.34 | 78 |
| Improved pasture | 25,886 | 40 | 0 | 0.39 | 3.29 | 5.04 | 364 |
| Irrigated cropland | 104,588 | 163 | 1 | 1.74 | 6.07 | 23.65 | 683 |
| Native pasture | 11,615,785 | 18,150 | 95 | 0.23 | 1.74 | 3.21 | 200 |
| Nonirrigated cropland | 481,555 | 752 | 4 | 0.87 | 4.13 | 9.50 | 400 |
| Orchard | 1,319 | 2 | 0 | 1.20 | 4.35 | 17.24 | 500 |
| Other | 8,129 | 13 | 0 | 0.65 | 0.00 | 10.82 | 0 |
| Total | 12,271,519 | 19,174 | 100 |  |  |  |  |


| Edwards Plateau-South Land Market Area 10 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | ool <br> ty Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 278,055 | 434 | 7 | 0.25 | 5.23 | 3.10 | 551 |
| Improved pasture | 188,602 | 295 | 4 | 0.65 | 6.68 | 7.59 | 576 |
| Irrigated cropland | 208,580 | 326 | 5 | 2.85 | 10.01 | 34.90 | 926 |
| Native pasture | 3,222,302 | 5,035 | 76 | 0.41 | 5.05 | 5.40 | 509 |
| Nonirrigated cropland | 318,478 | 498 | 8 | 1.24 | 6.92 | 14.68 | 681 |
| Orchard | 10,342 | 16 | 0 | 3.61 | 17.18 | 46.28 | 1,754 |
| Total | 4,226,359 | 6,604 | 100 |  |  |  |  |


| Rio Grande Plains Land Market Area 11 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total | $\begin{array}{\|r} \text { Sch } \\ \text { Propert } \\ \\ \text { Open } \\ \text { Space } \\ \text { (\$/acre) } \end{array}$ | ool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 14,828 | 23 | 0 | 0.17 | 1.46 | 1.71 | 117 |
| Improved pasture | 377,473 | 590 | 4 | 0.72 | 5.01 | 6.96 | 383 |
| Irrigated cropland | 42,356 | 66 | 0 | 2.09 | 9.29 | 28.14 | 1,000 |
| Native pasture | 8,564,083 | 13,381 | 93 | 0.51 | 3.94 | 5.02 | 336 |
| Nonirrigated cropland | 229,268 | 358 | 2 | 1.50 | 5.46 | 12.97 | 452 |
| Orchard | 1,111 | 2 | 0 | 3.07 | 10.30 | 28.16 | 758 |
| Total | 9,229,119 | 14,420 | 100 |  |  |  |  |


| North Central Plains Land Market Area 12 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | Sch <br> Propert <br> Open <br> Space <br> (\$/acre) | ty Taxes <br> Market <br> Value <br> (\$/acre) | $\begin{aligned} & \text { Estimated } \\ & \text { Net } \\ & \text { Income } \\ & \text { (\$/acre) } \end{aligned}$ | $\begin{array}{\|l} \hline \text { Assessed } \\ \text { Market } \\ \text { Value } \\ \text { (\$/acre) } \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 54,685 | 85 | 1 | 0.21 | 1.34 | 2.74 | 149 |
| Improved pasture | 133,524 | 209 | 2 | 0.69 | 3.69 | 8.65 | 358 |
| Irrigated cropland | 61,344 | 96 | 1 | 1.76 | 5.60 | 21.91 | 438 |
| Native pasture | 5,199,642 | 8,124 | 71 | 0.37 | 2.74 | 4.05 | 276 |
| Nonirrigated cropland | 1,856,869 | 2,901 | 25 | 1.24 | 4.68 | 15.78 | 424 |
| Orchard | 1,610 | 3 | 0 | 2.67 | 7.33 | 33.62 | 698 |
| Other | 6,107 | 10 | 0 | 0.56 | 0.01 | 7.09 | 1 |
| Total | 7,313,781 | 11,428 | 100 |  |  |  |  |


| Crosstimbers <br> Land Market Area 13 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | Sch Propert <br> Propert <br> Open <br> Space <br> (\$/acre) | hool <br> ty Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 209 | 0 | 0 | 0.19 | 0.29 | 2.18 | 20 |
| Improved pasture | 111,423 | 174 | 3 | 0.73 | 5.50 | 8.74 | 568 |
| Irrigated cropland | 31,601 | 49 | 1 | 2.66 | 7.42 | 31.12 | 797 |
| Native pasture | 2,705,483 | 4,227 | 74 | 0.49 | 4.61 | 5.48 | 409 |
| Nonirrigated cropland | 782,126 | 1,222 | 21 | 0.92 | 5.70 | 10.99 | 574 |
| Orchard | 10,732 | 17 | 0 | 2.24 | 7.30 | 29.13 | 766 |
| Other | 2,579 | 4 | 0 | 1.99 | 0.02 | 25.52 | 2 |
| Total | 3,644,153 | 5,694 | 100 |  |  |  |  |


| Hill Country-North Land Market Area 14 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | Sch Propert <br> Open <br> Space <br> (\$/acre) | hool <br> ty Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | $\begin{array}{\|l} \text { Assessed } \\ \text { Market } \\ \text { Value } \\ \text { (\$/acre) } \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 10 | 0 | 0 | 0.35 | 2.98 | 4.36 | 300 |
| Improved pasture | 123,304 | 193 | 4 | 0.79 | 4.47 | 9.84 | 501 |
| Irrigated cropland | 7,139 | 11 | 0 | 1.80 | 7.17 | 23.78 | 770 |
| Native pasture | 2,349,326 | 3,671 | 83 | 0.56 | 4.11 | 7.12 | 449 |
| Nonirrigated cropland | 348,637 | 545 | 12 | 0.98 | 4.65 | 12.82 | 510 |
| Orchard | 5,621 | 9 | 0 | 3.27 | 11.04 | 44.15 | 1,264 |
| Other | 482 | 1 | 0 | 2.35 | 0.02 | 32.84 | 2 |
| Total | 2,834,519 | 4,429 | 100 |  |  |  |  |


| Hill Country-West Land Market Area 15 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | hool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Improved pasture | 98,873 | 154 | 7 | 0.61 | 5.66 | 8.09 | 600 |
| Irrigated cropland | 988 | 2 | 0 | 0.63 | 6.60 | 8.34 | 700 |
| Native pasture | 1,359,689 | 2,125 | 92 | 0.32 | 3.65 | 5.20 | 362 |
| Nonirrigated cropland | 16,492 | 26 | 1 | 0.53 | 7.08 | 7.47 | 639 |
| Orchard | 980 | 2 | 0 | 2.91 | 21.59 | 33.52 | 2,127 |
| Total | 1,477,022 | 2,308 | 100 |  |  |  |  |


| Highland Lakes Land Market Area 16 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | ool <br> y Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 83,604 | 131 | 3 | 0.25 | 7.28 | 3.06 | 666 |
| Improved pasture | 111,675 | 174 | 5 | 0.67 | 9.20 | 9.33 | 961 |
| Irrigated cropland | 8,434 | 13 | 0 | 1.35 | 7.32 | 15.22 | 940 |
| Native pasture | 2,167,372 | 3,387 | 89 | 0.48 | 7.15 | 6.62 | 774 |
| Nonirrigated cropland | 62,169 | 97 | 3 | 0.80 | 8.47 | 9.21 | 1,083 |
| Orchard | 2,905 | 5 | 0 | 2.12 | 22.74 | 33.89 | 2,045 |
| Total | 2,436,159 | 3,806 | 100 |  |  |  |  |


| Hill Country - South Land Market Area 17 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | ool <br> ty Taxes <br> Market Value (\$/acre) |  | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Improved pasture | 30,822 | 48 | 2 | 0.60 | 16.08 | 7.29 | 1,510 |
| Irrigated cropland | 217 | 0 | 0 | 1.58 | 37.15 | 18.84 | 3,558 |
| Native pasture | 1,594,604 | 2,492 | 96 | 0.43 | 10.18 | 5.25 | 1,073 |
| Nonirrigated cropland | 38,994 | 61 | 2 | 0.83 | 13.55 | 10.08 | 1,408 |
| Orchard | 1,037 | 2 | 0 | 2.25 | 28.21 | 26.72 | 2,605 |
| Other | 2,431 | 4 | 0 | 0.52 | 0.10 | 5.99 | 10 |
| Total | 1,668,105 | 2,606 | 100 |  |  |  |  |


| San Antonio <br> Land Market Area 18 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total | $\begin{array}{r} \text { Sch } \\ \text { Proper } \\ \\ \text { Open } \\ \text { Space } \\ \text { (\$/acre) } \\ \hline \end{array}$ | hool <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 14,535 | 23 | 1 | 0.31 | 11.74 | 4.48 | 1,088 |
| Improved pasture | 626,061 | 978 | 25 | 0.97 | 16.76 | 10.60 | 1,439 |
| Irrigated cropland | 49,153 | 77 | 2 | 2.38 | 11.93 | 30.11 | 993 |
| Native pasture | 1,377,047 | 2,152 | 54 | 0.54 | 12.93 | 6.24 | 1,197 |
| Nonirrigated cropland | 481,600 | 753 | 19 | 1.30 | 15.29 | 13.70 | 1,354 |
| Orchard | 2,976 | 5 | 0 | 3.76 | 41.65 | 41.96 | 3,857 |
| Other | 631 | 1 | 0 | 1.39 | 0.06 | 15.27 | 6 |
| Total | 2,552,003 | 3,988 | 100 |  |  |  |  |


| Coastal Prairie-North Land Market Area 19 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total | Sch Proper Open Space (\$/acre) | ool <br> ty Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 61,491 | 96 | 2 | 0.30 | 7.13 | 3.11 | 766 |
| Improved pasture | 744,918 | 1,164 | 25 | 0.99 | 8.15 | 11.48 | 931 |
| Irrigated cropland | 150,854 | 236 | 5 | 1.85 | 10.71 | 23.63 | 1,152 |
| Native pasture | 1,823,504 | 2,849 | 62 | 0.68 | 8.06 | 8.16 | 865 |
| Nonirrigated cropland | 175,880 | 275 | 6 | 1.21 | 10.37 | 16.17 | 1,024 |
| Orchard | 1,651 | 3 | 0 | 1.32 | 11.84 | 18.90 | 1,447 |
| Timber | 2,798 | 4 | 0 | 1.57 | 11.74 | 24.99 | 1,114 |
| Other | 32 | 0 | 0 | 2.08 | 0.00 | 34.34 | 0 |
| Total | 2,961,128 | 4,627 | 100 |  |  |  |  |


| Coastal Prairie - South Land Market Area 20 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | ool <br> y Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 70,615 | 110 | 2 | 0.37 | 4.79 | 3.73 | 559 |
| Improved pasture | 475,709 | 743 | 12 | 0.99 | 9.69 | 10.72 | 800 |
| Irrigated cropland | 3,052 | 5 | 0 | 3.16 | 48.60 | 39.71 | 4,900 |
| Native pasture | 2,386,760 | 3,729 | 58 | 0.42 | 7.58 | 4.70 | 719 |
| Nonirrigated cropland | 1,164,595 | 1,820 | 28 | 2.50 | 9.61 | 31.19 | 941 |
| Orchard | 22 | 0 | 0 | 0.72 | 11.70 |  |  |
| Other | 11,129 | 17 | 0 | 4.30 | 2.67 | 51.70 | 313 |
| Total | 4,111,882 | 6,425 | 100 |  |  |  |  |


| Coastal Prairie-Middle Land Market Area 21 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | ool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 133,139 | 208 | 5 | 0.24 | 4.38 | 2.75 | 444 |
| Improved pasture | 66,342 | 104 | 3 | 1.00 | 9.16 | 12.45 | 896 |
| Irrigated cropland | 351,671 | 549 | 14 | 2.39 | 7.28 | 29.13 | 737 |
| Native pasture | 1,338,525 | 2,091 | 54 | 0.65 | 7.57 | 7.96 | 739 |
| Nonirrigated cropland | 573,912 | 897 | 23 | 2.33 | 9.25 | 26.61 | 828 |
| Orchard | 1,286 | 2 | 0 | 2.40 | 16.65 | 29.13 | 1,788 |
| Other | 29,500 | 46 | 1 | 3.04 | 0.25 | 37.48 | 31 |
| Total | 2,494,375 | 3,897 | 100 |  |  |  |  |


| Texoma <br> Land Market Area 22 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | ool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 17,856 | 28 | 1 | 0.25 | 4.36 | 2.65 | 461 |
| Improved pasture | 249,022 | 389 | 13 | 1.20 | 8.02 | 15.57 | 798 |
| Irrigated cropland | 1,352 | 2 | 0 | 2.37 | 7.12 | 25.02 | 614 |
| Native pasture | 1,101,323 | 1,721 | 56 | 0.66 | 5.84 | 8.49 | 631 |
| Nonirrigated cropland | 551,873 | 862 | 28 | 1.69 | 8.25 | 18.92 | 770 |
| Orchard | 891 | 1 | 0 | 1.76 | 9.49 | 22.11 | 884 |
| Other | 42,834 | 67 |  | 0.43 | 0.68 | 5.10 | 85 |
| Total | 1,965,151 | 3,071 | 100 |  |  |  |  |


| Fort Worth Prairie Land Market Area 23 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | hool <br> ty Taxes <br> Market Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 66,305 | 104 | 3 | 0.47 | 8.14 | 4.23 | 636 |
| Improved pasture | 349,685 | 546 | 15 | 1.15 | 17.89 | 10.58 | 1,428 |
| Irrigated cropland | 7,119 | 11 | 0 | 2.37 | 15.25 | 26.77 | 1,616 |
| Native pasture | 1,622,948 | 2,536 | 71 | 0.69 | 15.08 | 7.51 | 1,147 |
| Nonirrigated cropland | 242,930 | 380 | 11 | 1.41 | 17.25 | 14.64 | 1,387 |
| Orchard | 9,608 | 15 | 0 | 2.47 | 16.38 | 31.12 | 1,453 |
| Other | 846 | 1 | 0 | 2.77 | 0.94 | 31.12 | 85 |
| Total | 2,299,441 | 3,593 | 100 |  |  |  |  |


| Dallas Prairie <br> Land Market Area 24 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total |  | ool <br> taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 47,573 | 74 | 2 | 0.48 | 8.38 | 5.13 | 798 |
| Improved pasture | 599,057 | 936 | 21 | 1.19 | 24.34 | 13.06 | 2,059 |
| Irrigated cropland | 1,031 | 2 | 0 | 1.16 | 10.25 | 15.13 | 960 |
| Native pasture | 1,372,902 | 2,145 | 49 | 0.84 | 24.35 | 8.73 | 1,924 |
| Nonirrigated cropland | 740,715 | 1,157 | 26 | 2.12 | 24.23 | 23.40 | 2,100 |
| Orchard | 2,480 | 4 | 0 | 3.77 | 16.44 | 40.46 | 1,525 |
| Timber | 7,944 | 12 | 0 | 1.43 | 7.32 | 17.43 | 811 |
| Other | 27,055 | 42 | 1 | 1.04 | 0.37 | 11.03 | 34 |
| Total | 2,798,757 | 4,373 | 100 |  |  |  |  |


| Blacklands-North Land Market Area 25 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | $\begin{array}{r} \text { Sch } \\ \text { Propert } \\ \\ \text { Open } \\ \text { Space } \\ \text { (\$/acre) } \end{array}$ | ool <br> y Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 40,547 | 63 | 1 | 0.26 | 4.38 | 3.11 | 450 |
| Improved pasture | 850,753 | 1,329 | 18 | 1.02 | 6.48 | 14.03 | 681 |
| Irrigated cropland | 3,036 | 5 | 0 | 2.18 | 9.10 | 28.64 | 1,000 |
| Native pasture | 2,568,263 | 4,013 | 55 | 0.70 | 5.58 | 8.17 | 568 |
| Nonirrigated cropland | 1,159,371 | 1,812 | 25 | 1.68 | 7.76 | 21.02 | 799 |
| Orchard | 3,567 | 6 | 0 | 2.32 | 10.44 | 28.64 | 1,075 |
| Timber | 209 | 0 | 0 | 2.65 | 8.75 | 37.80 | 1,001 |
| Other | 2,414 | 4 | 0 | 1.05 | 0.02 | 14.15 |  |
| Total | 4,628,160 | 7,232 | 100 |  |  |  |  |


| Coastal Prairie-Middle Land Market Area 21 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | hool <br> ty Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 133,139 | 208 | 5 | 0.24 | 4.38 | 2.75 | 444 |
| Improved pasture | 66,342 | 104 | 3 | 1.00 | 9.16 | 12.45 | 896 |
| Irrigated cropland | 351,671 | 549 | 14 | 2.39 | 7.28 | 29.13 | 737 |
| Native pasture | 1,338,525 | 2,091 | 54 | 0.65 | 7.57 | 7.96 | 739 |
| Nonirrigated cropland | 573,912 | 897 | 23 | 2.33 | 9.25 | 26.61 | 828 |
| Orchard | 1,286 | 2 | 0 | 2.40 | 16.65 | 29.13 | 1,788 |
| Other | 29,500 | 46 | 1 | 3.04 | 0.25 | 37.48 | 31 |
| Total | 2,494,375 | 3,897 | 100 |  |  |  |  |


| Texoma <br> Land Market Area 22 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | ool <br> ty Taxes <br> Market <br> Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 17,856 | 28 | 1 | 0.25 | 4.36 | 2.65 | 461 |
| Improved pasture | 249,022 | 389 | 13 | 1.20 | 8.02 | 15.57 | 798 |
| Irrigated cropland | 1,352 | 2 | 0 | 2.37 | 7.12 | 25.02 | 614 |
| Native pasture | 1,101,323 | 1,721 | 56 | 0.66 | 5.84 | 8.49 | 631 |
| Nonirrigated cropland | 551,873 | 862 | 28 | 1.69 | 8.25 | 18.92 | 770 |
| Orchard | 891 | 1 | 0 | 1.76 | 9.49 | 22.11 | 884 |
| Other | 42,834 | 67 | 2 | 0.43 | 0.68 | 5.10 | 85 |
| Total | 1,965,151 | 3,071 | 100 |  |  |  |  |


| Fort Worth Prairie Land Market Area 23 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | ool <br> ty Taxes <br> Market Value <br> (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 66,305 | 104 | 3 | 0.47 | 8.14 | 4.23 | 636 |
| Improved pasture | 349,685 | 546 | 15 | 1.15 | 17.89 | 10.58 | 1,428 |
| Irrigated cropland | 7,119 | 11 | 0 | 2.37 | 15.25 | 26.77 | 1,616 |
| Native pasture | 1,622,948 | 2,536 | 71 | 0.69 | 15.08 | 7.51 | 1,147 |
| Nonirrigated cropland | 242,930 | 380 | 11 | 1.41 | 17.25 | 14.64 | 1,387 |
| Orchard | 9,608 | 15 | 0 | 2.47 | 16.38 | 31.12 | 1,453 |
| Other | 846 | 1 | 0 | 2.77 | 0.94 | 31.12 | 85 |
| Total | 2,299,441 | 3,593 | 100 |  |  |  |  |


| Houston <br> Land Market Area 28 | Area |  |  | School Property Taxes |  | Estimated <br> Net <br> Income <br> (\$/acre) | Assessed Market (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Acres | $\begin{gathered} \begin{array}{c} \text { Square } \\ \text { Miles } \end{array} \\ \hline \end{gathered}$ | Percent of Total | $\begin{gathered} \text { Open } \\ \text { Space } \\ \text { (\$/acre) } \\ \hline \end{gathered}$ | Market Value (\$/acre) |  |  |
| Barren land | 60,602 | 95 | 1 | 0.50 | 13.74 | 5.36 | 1,129 |
| Improved pasture | 294,587 | 460 | 6 | 1.65 | 29.40 | 15.25 | 2,388 |
| Irrigated cropland | 526,288 | 822 | 12 | 2.92 | 16.97 | 27.62 | 1,424 |
| Native pasture | 1,865,912 | 2,915 | 41 | 0.95 | 22.25 | 8.38 | 1,810 |
| Nonirrigated cropland | 417,730 | 653 | 9 | 1.88 | 29.37 | 18.68 | 2,143 |
| Orchard | 3,169 | 5 | 0 | 3.83 | 32.11 | 46.13 | 2,619 |
| Timber | 1,368,632 | 2,138 | 30 | 3.77 | 14.58 | 35.88 | 1,267 |
| Other | 14,132 | 22 | 0 | 4.90 | 0.26 | 46.03 | 20 |
| Total | 4,551,052 | 7,111 | 100 |  |  |  |  |


| Northeast <br> Land Market Area 29 | Area |  |  | School Property Taxes |  | EstimatedNetIncome(\$/acre) | AssessedMarketValue (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Acres | $\begin{aligned} & \text { Square } \\ & \text { Miles } \end{aligned}$ | Percent of Total | $\begin{gathered} \text { Open } \\ \text { Space } \\ \text { (\$/acre) } \end{gathered}$ | Market Value (\$/acre) |  |  |
| Barren land | 31,934 | 50 | 1 | 0.02 | 0.51 | 0.26 | 53 |
| Improved pasture | 1,073,855 | 1,678 | 28 | 1.08 | 7.26 | 13.07 | 726 |
| Irrigated cropland | 4,376 | 7 | 0 | 2.76 | 3.22 | 37.35 | 350 |
| Native pasture | 1,183,275 | 1,849 | 31 | 0.60 | 6.33 | 7.61 | 635 |
| Nonirrigated cropland | 310,227 | 485 | 8 | 1.46 | 7.22 | 17.71 | 757 |
| Orchard | 2,510 | 4 | 0 | 2.30 | 9.48 | 28.35 | 1,012 |
| Timber | 1,162,650 | 1,817 | 30 | 1.17 | 5.95 | 15.87 | 602 |
| Other | 108,696 | 170 | 3 | 1.12 | 1.82 | 14.94 | 293 |
| Total | 3,877,523 | 6,059 | 100 |  |  |  |  |


| Piney Woods-North Land Market Area 30 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | Sch Propert <br> Open Space (\$/acre) | ool <br> y Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 68,717 | 107 | 1 | 0.61 | 5.30 | 8.72 | 598 |
| Improved pasture | 986,002 | 1,541 | 20 | 1.07 | 9.07 | 11.83 | 782 |
| Irrigated cropland | 5,303 | 8 | 0 | 1.87 | 12.63 | 21.28 | 1,089 |
| Native pasture | 1,670,554 | 2,610 | 34 | 0.71 | 8.36 | 8.16 | 718 |
| Nonirrigated cropland | 65,274 | 102 | 1 | 1.01 | 9.46 | 10.96 | 827 |
| Orchard | 3,850 | 6 | 0 | 2.34 | 11.62 | 27.41 | 1,059 |
| Timber | 2,061,907 | 3,222 | 42 | 1.71 | 7.51 | 19.69 | 675 |
| Other | 47,627 | 74 | 1 | 0.95 | 0.02 | 10.04 | 2 |
| Total | 4,909,234 | 7,671 | 100 |  |  |  |  |


| Piney Woods - South Land Market Area 31 <br> Land Class | Acres | Area <br> Square <br> Miles | Percent of Total | Proper <br> Open <br> Space <br> (\$/acre) | ool <br> y Taxes <br> Market Value <br> (\$/acre) | Estimated Net Income (\$/acre) | $\begin{array}{\|l} \hline \text { Assessed } \\ \text { Market } \\ \text { Value } \\ \text { (\$/acre) } \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 894 | 1 | 0 | 1.17 | 6.67 | 11.21 | 513 |
| Improved pasture | 134,244 | 210 | 4 | 1.39 | 10.91 | 17.42 | 1,023 |
| Native pasture | 432,076 | 675 | 13 | 0.95 | 9.77 | 11.22 | 899 |
| Nonirrigated cropland | 2,258 | 4 | 0 | 1.36 | 9.21 | 17.44 | 1,018 |
| Orchard | 7 | 0 | 0 | 16.63 | 61.05 | 213.40 | 6,293 |
| Timber | 2,780,207 | 4,344 | 83 | 2.22 | 8.23 | 25.96 | 766 |
| Other | 550 | 1 | 0 | 1.17 | 0.46 | 10.94 | 35 |
| Total | 3,350,236 | 5,235 | 100 |  |  |  |  |


| Lower Rio Grande Valley Land Market Area 32 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total | $\begin{array}{r} \text { Scl } \\ \text { Proper } \\ \\ \text { Open } \\ \text { Space } \\ \text { (\$/acre) } \\ \hline \end{array}$ | hool <br> ty Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barren land | 47,503 | 74 | 3 | 0.20 | 4.83 | 2.49 | 501 |
| Improved pasture | 76,277 | 119 | 5 | 2.15 | 17.86 | 21.92 | 1,844 |
| Irrigated cropland | 441,238 | 689 | 29 | 4.46 | 21.56 | 53.47 | 2,042 |
| Native pasture | 530,173 | 828 | 35 | 0.48 | 12.54 | 6.39 | 1,145 |
| Nonirrigated cropland | 383,707 | 600 | 25 | 3.13 | 9.04 | 37.14 | 874 |
| Orchard | 40,958 | 64 | 3 | 5.53 | 35.70 | 70.27 | 3,366 |
| Other | 169 | 0 | 0 | 0.25 | 3.72 | 2.50 | 357 |
| Total | 1,520,025 | 2,375 | 100 |  |  |  |  |


| El Paso <br> Land Market Area 33 <br> Land Class | Acres | Area <br> Square Miles | Percent of Total |  | ool <br> y Taxes <br> Market Value (\$/acre) | Estimated Net Income (\$/acre) | Assessed Market Value (\$/acre) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Irrigated cropland | 40,098 | 63 | 39 | 7.50 | 73.54 | 80.91 | 6,091 |
| Native pasture | 57,228 | 89 | 56 | 0.14 | 6.40 | 1.24 | 377 |
| Orchard | 4,379 | 7 | 4 | 10.25 | 111.15 | 94.65 | 8,801 |
| Other | 60 | 0 | 0 | 4.96 | 0.06 | 41.46 | 4 |
| Total | 101,765 | 159 | 100 |  |  |  |  |

## Appendix B

## Texas Land Market Areas by Counties

| Land Market Area 1 | Terry |
| :---: | :---: |
| Dallam | Yoakum |
| Hansford |  |
| Hartley | Land Market Area 5 |
| Moore | Hemphill |
| Ochiltree | Hutchinson |
| Sherman | Lipscomb |
|  | Oldham |
| Land Market Area 2 | Potter |
| Armstrong | Roberts |
| Briscoe | Land Market Area 6 |
| Carson | Childress |
| Castro | Collingsworth |
| Deaf Smith | Cottle |
| Gray | Dickens |
| Parmer | Donley |
| Randall Swisher | Hall |
| Swisher | Kent |
| Land Market Area 3 | King |
|  | Motley |
| Borden | Stonewall |
| Crosby | Wheeler |
| Dawson |  |
| Floyd | Land Market Area 7 |
| Garza | Fisher |
| Hale | Jones |
| Lubbock | Mitchell |
| Lynn | Nolan |
|  | Runnels |
| Land Market Area 4 | Scurry |
| Andrews | Taylor |
| Bailey |  |
| Cochran | Land Market Area 8 |
| Ector | Brewster |
| Gaines | Crane |
| Hockley | Culberson |
| Howard | Hudspeth |
| Lamb | Jeff Davis |
| Martin | Loving |
| Midland | Pecos |


| Presidio | Shackelford |
| :---: | :---: |
| Reeves | Stephens |
| Terrell | Throckmorton |
| Ward | Wichita |
| Winkler | Wilbarger |
| Land Market Area 9 | Young |
| Coke | Land Market Area 13 |
| Concho | Brown |
| Crockett | Callahan |
| Edwards | Coleman |
| Glasscock | Comanche |
| Irion | Eastland |
| Kinney | Erath |
| Reagan |  |
| Schleicher | Land Market Area 14 |
| Sterling | Hamilton |
| Sutton | McCulloch |
| Tom Green | Mills |
| Upton | Lampasas |
| Val Verde | San Saba |
| Land Market Area 10 | Land Market Area 15 |
| Frio | Kimble |
| Maverick | Menard |
| Medina | Real |
| Uvalde | Land Market Area 16 |
| Zavala | Burnet |
| Land Market Area 11 | Gillespie |
| Brooks | Llano |
| Dimmit | Mason |
| Duval | Land Market Area 17 |
| Jim Hogg | Bandera |
| Kenedy | Blanco |
| LaSalle | Kendall |
| McMullen | Kerr |
| Starr |  |
| Webb | Land Market Area 18 |
| Zapata | Atascosa |
| Land Market Area 12 | Bexar |
| Archer | Comal |
|  | Guadalupe |
| Clay | Karnes |
| Foard | Wilson |
| Hardeman | Land Market Area 19 |
| Haskell | Colorado |
| Jack | Dewitt |
| Knox | Fayette |


| Gonzales | Hill |
| :--- | :--- |
| Lavaca | Limestone |
| Land Market Area 20 | McLennan |
| Aransas | Navarro |
| Bee | Land Market Area 26 |
| Goliad | Bastrop |
| Jim Wells | Caldwell |
| Kleberg | Hays |
| Live Oak | Lee |
| Nueces | Milam |
| Refugio | Travis |
| San Patricio | Williamson |
| Land Market Area 21 | Land Market Area 27 |
| Calhoun | Brazos |
| Jackson | Burleson |
| Matagorda | Grimes |
| Victoria | Leon |
| Wharton | Madison |
| Land Market Area 22 | Robertson |
| Cooke | Washington |
| Fannin | Land Market Area 28 |
| Grayson | Austin |
| Montague | Brazoria |
| Land Market Area 23 | Chambers |
| Hood | Fort Bend |
| Johnson | Galveston |
| Palo Pinto | Hardin |
| Parker | Harris |
| Somervell | Jefferson |
| Tarrant | Liberty |
| Wise | Montgomery |
| Land Market Area 24 | Orange |
| Collin | San Jacinto |
| Dallas | Walker |
| Denton | Waller |
| Ellis | Land Market Area 29 |
| Hunt | Bowie |
| Kaufman | Camp |
| Rains | Cass |
| Rockwall | Delta |
| Van Zandt | Franklin |
| Land Market Area 25 | Hopkins |
| Bell | Lamar |
| Bosque | Marion |
| Coryell | Morris |
| Falls | Tituser |
| Freestone |  |

Hill
Limestone
McLennan
Navarro
Land Market Area 26
Bastrop
Caldwell
Hays
Lee
Milam
Travis
Williamson
Land Market Area 27
Brazos
Burleson
Grimes
Leon
Madison
Robertson
Washington
Land Market Area 28
Austin
Brazoria
Chambers
Fort Bend
Galveston
Hardin
Harris
Jefferson
Liberty
Montgomery
Orange
San Jacinto
Walker
Waller
Land Market Area 29
Bowie
Camp
Delta
Franklin
Hopkins
Lamar
Marion
Morris
Titus

| Upshur | Land Market Area 31 <br> Wood <br>  <br> Angelina |
| :--- | :--- |
| Land Market Area 30 | Jasper |
| Anderson | Newton |
| Cherokee | Polk |
| Gregg | Sabine |
| Harrison | San Augustine |
| Henderson | Trinity |
| Houston | Tyler |
| Nacogdoches | Land Market Area 32 |
| Panola | Cameron |
| Rusk | Hidalgo |
| Shelby | Willacy |
| Smith | Land Market Area 33 |
|  | El Paso |

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[^0]:    Note: Test column shows the result of a Mann-Whitney test of the indicated changes
    ** Indicates significance at the 95 percent level; all others showed no statistically verifiable trend.
    ** Indicates significance at the 99 percent level.
    Source: Real Estate Center at Texas A\&M University

