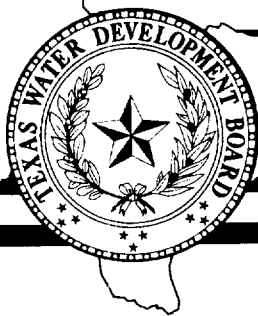


**Report 329**

**SURVEYS OF IRRIGATION IN TEXAS—1958,  
1964, 1969, 1974, 1979, 1984, and 1989**

**January, 1991**

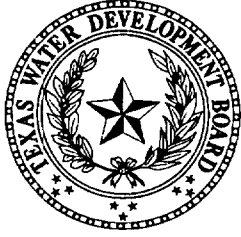


**Texas Water Development Board**

# **ERRATA SHEET**

## **Texas Water Development Board - Report 329 "Surveys of Irrigation in Texas - 1958, 1964, 1969, 1974, 1979, 1984, and 1989"**

1. Page 16, eighth paragraph should read "Over 65 percent (3.9 million acres) of the total irrigation in the State is in the High Plains..."
2. Figure 2, page 17: The isohyetal lines on the map base are those from Figure 3. The lines should be actual 1989 rainfall values not the long-term normal values.
3. Figure 3, page 21: The graphs identified as Uvalde and Tyler should be interchanged.
4. Figure 4, page 29: Cochran County should be colored red (5,000-50,000 acres) instead of white (Less than 1,000 acres).
5. Pages 73, 74, 75, and 76: Under the column entitled "Surface Source Percent," the correct values for the Zone Totals are: Zone 1-60, Zone 2-90, Zone 3-80, Zone 4-48, Zone 5-45. The State Total value of 79 (percent) is correct.
6. Page 124: The 1989 data for Wilbarger and Wichita Counties should be interchanged. The 1989 data for these counties in Table 1-page 61 is correct.
7. Figure 8, page 125: The title should be "Irrigated Land in Texas, 1989."



# **Texas Water Development Board**

## **Report 329**

### **SURVEYS OF IRRIGATION IN TEXAS 1958, 1964, 1969, 1974, 1979, 1984, and 1989**

**Based on surveys made cooperatively by the Soil Conservation Service-  
U.S. Department of Agriculture; the Texas State Soil & Water  
Conservation Board; and the Texas Water Development Board**

**January, 1991**

# Texas Water Development Board

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Published and Distributed  
by the  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711-3231

## ABSTRACT

Due to higher energy costs, declining well yields, unavailability of labor and depressed farm prices, less acreage was irrigated and less water applied in 1989 than in prior surveys. Irrigation in Texas in 1989 was 6.1 million acres with a total of 8.8 million acre-feet of on-farm use of water. This is a decrease of 675 thousand acres and 548 thousand acre-feet from the 1984 survey. "Surveys of Irrigation in Texas, 1958, 1964, 1969, 1974, 1979, 1984, and 1989" is based on cooperative surveys by the Texas Water Development Board, the U.S. Department of Agriculture's Soil Conservation Service, and the Texas State Soil and Water Conservation Board. Information provided includes irrigated acreage and crops, water use, sprinkler irrigation acreages, irrigation operations, and irrigation conservation practices. Irrigation acreage and water use are summarized by counties, river and coastal basins, soil and water conservation districts, and 11 principal irrigation regions of the State.

In much of Texas, irrigation water prevalently is applied in climatic provinces where natural rainfall may contribute significantly to the soil moisture condition. Irrigation, thusly practiced, eliminates the risk of recurring low rainfall periods and improves the seasonal moisture supply for crop-growing efficiency. The amounts of water consequently used for irrigation fluctuates from year to year with changes in climatic conditions and the amount of acres irrigated. During the survey period, on-farm water use for irrigation jumped, along with irrigated acres, from 9.6 million acre-feet on 6.7 million acres in 1958 to 12.5 million acre-feet on 7.7 million acres, in the dry year 1964. Irrigation water use then declined to 11.6 million acre-feet used on an expanding 8.2 million acres in 1969, a relatively wet year, then increased to 13.1 million acre-feet on 8.6 million acres in 1974, then declined to 9.7 million acre-feet on 7.8 million acres in 1979, declined again to 9.3 million acre-feet on 6.7 million acres in 1984, and continued to decline to 8.8 million acre-feet on 6.1 million acres in 1989.

Leading irrigated crops in 1989 were cotton - 1,797,000 acres; wheat - 970,000 acres; grain sorghum - 844,000 acres; and corn - 806,000 acres.

Irrigation wells continue to hold steady in number, even though some of the older wells have been abandoned. There were 55,000 irrigation wells in Texas in 1958; 70,000 in 1964; 83,000 in 1969; 90,000 in 1974; 95,000 in 1979; 100,000 in 1984; and 100,000 in 1989. In the 1989 survey, ground water from these wells constitutes 71 percent of the total on-farm water use for irrigation in the State, while 29 percent is supplied from surface water.

Water conservation measures are being practiced by Texas irrigators to "stretch" and conserve their precious water supply. In many areas, water losses due to seepage and evaporation are being reduced by adding concrete linings to the delivery ditches or replacing ditches with underground pipeline. Surveys of water conveyance methods in 1989 showed there were 1,200 miles of concrete-lined ditches serving 155,000 acres and 22,000 miles of underground pipeline serving 4.9 million acres. These conservation measures have thus been applied to 82 percent of Texas irrigated land in 1989. New methods of applying water to crops also hold promise for water savings. Included among the newer methods being applied in Texas is trickle irrigation, by which a slow, continuous or nearly continuous flow

of water is delivered to the root zone of each plant from plastic tubing. Trickle irrigation was used on 40,900 acres in 1989 compared to 29,900 acres in 1984, 19,800 acres in 1979, and 4,000 acres in 1974. Leading trickle irrigated crops in 1989 were pecans - 26,750 acres; grapes - 4,500 acres; and citrus - 3,500 acres.

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## ACKNOWLEDGEMENTS

Each of the seven irrigation surveys was made cooperatively by the Soil Conservation Service of the United States Department of Agriculture, the Texas State Soil and Water Conservation Board, and the Texas Water Development Board. Results of 1958, 1964, 1969, 1974, 1979, and 1984 surveys have been published previously. To facilitate comparisons, this report includes some of the basic data from the previous reports as well as data from the new 1989 Irrigation Survey.

The preparation of maps showing location of irrigated land and the compilation of acreages of irrigated crops, amounts of water used, and other survey data was accomplished by the Soil Conservation Service in its various field offices, by district conservationists and technicians under general direction of the area conservationists and area engineers. These activities in the 1989 Irrigation Survey were directed by Civil Engineers - Field Specialists, James Hailey, L. Dennis Medlin, Tom Gray, and coordinated by Water Management Engineer (Irrigation) Eugene Lindemann under the general guidance of State Conservation Engineer Cecil Currin and State Conservationist Harry Oneth. Messrs. Hailey, Medlin, Gray, and Lindemann conducted the training meetings of Soil Conservation Service area engineers who gave leadership to the work done by area and field office personnel. Mr. Charles Baird, Water Management Engineer, coordinated the review of the completed data following the field office data collection activities.

The Texas State Soil and Water Conservation Board, under the supervision of Robert Buckley, Executive Director, assisted in developing procedures for making the 1989 Irrigation Survey, and provided soil and water conservation district boundary delineations for the county maps used in making the survey. These delineations made possible the compositing of survey data for each soil and water conservation district.

The State Department of Highways and Public Transportation provided county maps, which were used as base maps for recording irrigation survey data.

Within the Texas Water Development Board, the Agriculture Conservation Unit guided the planning, development of procedures, and scheduling of the 1989 Irrigation Survey; assisted the Soil Conservation Service staff in giving training to the area engineers; and prepared the survey data for computer processing. Tom Martin, Atlan Pfluger, Terrell Robison, Comer Tuck, and Jeff Walker of the Agricultural Conservation Unit worked on these activities and prepared the final report with other staff assistance. Other Board staff supported the 1989 Survey and this report with assistance in typing, drafting, and publication activities.

## IRRIGATION DEVELOPMENT IN TEXAS

The census for the crop year of 1889 reported that Texas had over 18,000 acres irrigated on 623 farms. By 1899, the area irrigated approached 50,000 acres on 1,325 farms. Comparatively rapid development occurred during the period 1900-09. The area irrigated in 1909 was about 451,000 acres.

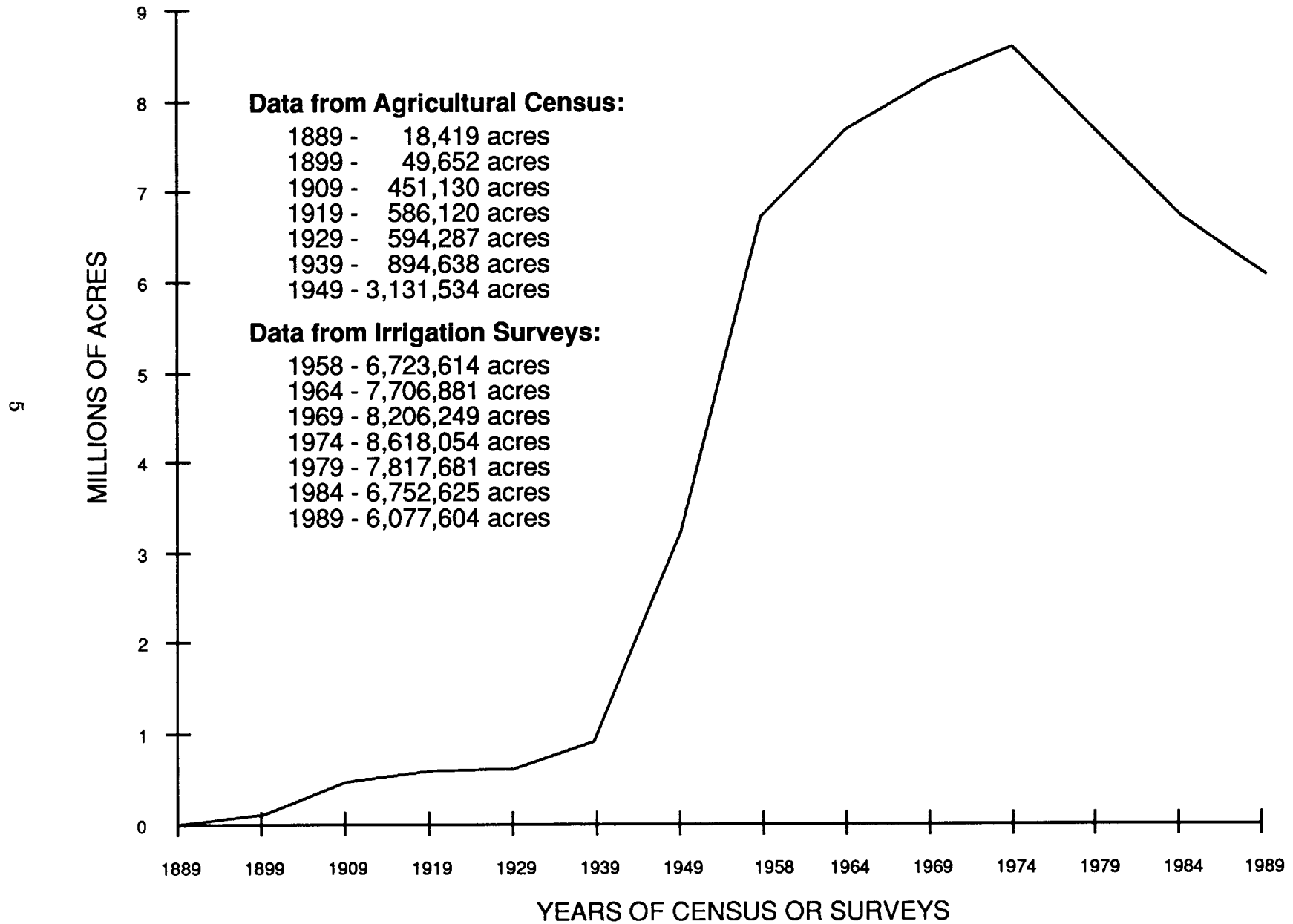
Development was much slower from 1910 to 1929 when about 594,000 acres was irrigated. Irrigated acreage increased by about 300,000 acres during the next 10 years. The census of 1939 reported that Texas had nearly 895,000 acres irrigated. Particularly rapid irrigation development followed the end of World War II. The 1949 Census of Agriculture reported 3.1 million acres irrigated, and the 1958 Irrigation Survey showed 6.7 million acres irrigated. Subsequent surveys reported 7.7 million acres in 1964; 8.2 million acres in 1969; 8.6 million acres in 1974; 7.8 million acres in 1979; and 6.7 million acres in 1984. By 1989, the area irrigated in the State was 6.1 million acres, as was indicated in the 1989 Irrigation Survey (Figure 1, Texas Irrigation Development, 1889-1989).

The history of irrigation in Texas has recorded some failures because of inadequate water supply, poor water quality, poor soil conditions, inadequate irrigation systems, or inefficient water management. On the other hand, successful irrigation enterprises have been developed in every area of the State, including the eastern-humid areas.

Maintaining water conditions in the soil favorable to plant growth continues to be an especially important requirement in the arid and semi-arid parts of the State where the rainfall is variable as to amounts and seasons of occurrences, and where most crop plants cannot be grown without irrigation water or where the risk without irrigation water is great.

Figure 1.

# TEXAS IRRIGATION DEVELOPMENT 1889-1989



## DEVELOPMENT OF SURVEYS

Data on irrigated lands have been inadequate and irrigation water-use data, which are necessary to assess and project agricultural water use and needs accurately, have not been generally available. For other forms of water use, data are generally collected annually and are more readily available.

Cooperative arrangements were made in 1958 with the Soil Conservation Service of the United States Department of Agriculture to survey Texas irrigation. After this first survey, it was agreed to re-survey at intervals of approximately five years. As a result, we now have results of irrigation surveys for 1958, 1964, 1969, 1974, 1979, 1984, and 1989. Much of the data from each of these surveys are included in this report.

Reliable water use data are difficult to obtain. Most of the water that is applied to irrigation is unmetered and normally unrecorded, and the amount of water applied is affected by many variables. The rainfall during the survey year influences the amount of water used and the number of acres irrigated. A wet spell or dry spell during the growing season, and the period of peak crop demand for water will affect to a degree how much water is applied by irrigation to a particular crop. The cropping patterns of an area affect the water demand. Consumptive use of water by crops is dependent upon the characteristics of the crop as related to rooting depth and rates of transpiration.

## 1989 SURVEY PROCEDURES

Survey forms and the field data gathering, recording, and computational procedures were jointly developed by the cooperating agencies. The Soil Conservation Service collected the basic data, using technical support staff to provide statewide leadership and area engineers to provide local leadership. Area conservationists and district conservationists and their staffs at the field office level, thoroughly familiar with irrigation and the land and water resources of their respective areas, did much of the detailed work. The Texas Water Development Board processed the maps and data sheets and compiled and published the report.

County highway maps were used to record much of the survey information. Data recorded on the maps were subsequently used to prepare summary tabulations of irrigation acreage by river and coastal basins and zones, soil and water conservation districts, and counties.

Other data, including irrigated acreage and water use for each irrigated crop type, were recorded on standardized forms on a countywide basis. The amounts of water used countywide were prorated among soil and water conservation districts, and among river and coastal basins and zones according to the proportionate acreage irrigated from a given source of water supply that was located in each area segment.

Accuracy of survey data differs from county-to-county, according to the quantity and accuracy of records available, the degree of familiarity with the area of the assigned personnel, and the amount of field observation that could be made in making the survey. In general, Soil Conservation Service field personnel making the survey considered that their estimates were within a 5 to 10 percent range of accuracy.

## PRESENTATION OF DATA

Summary survey data are contained in Table 1 for counties, in Table 2 for river and coastal basins and zones, and in Table 3 for soil and water conservation districts. These tables each list the total irrigated acreage, the acreage irrigated by each source from which water was obtained, estimated amount of water from each source that was used, and the percentage of the combined supply source of water used that was surface water. Shown also, is the acreage irrigated by sprinkler systems; and Table 1 additionally shows the estimated number of irrigation wells in each county with the wells considered to be operable, but not necessarily used during the given survey year. Table 1 provides data from all seven surveys; Table 2 provides data for 1989 and some data for all years; Table 3 provides data for 1989 only.

A brief discussion of individual columns of Tables 1, 2, and 3 is warranted to prevent misapplication of the data: *All Irrigation* includes the total acreage irrigated and the total acre-feet of water applied on-farm on that acreage, regardless of the amount of double cropping (if any) and regardless of source of water used. Amounts of water applied do not include all transmission losses, but only the amounts of ground water pumped and transmitted to irrigated fields and the amounts of surface water transmitted to fields from farm headgates (on-farm use).

Instructions for making the 1989 Irrigation Survey stressed that the estimated amounts of irrigation water were to reflect the amounts of ground water pumped that were actually transmitted to irrigated fields, and the amounts of surface water that were transmitted to fields from farm headgates (on-farm use). Thus, these amounts (Tables 1, 2, and 3) include all water losses (inefficiencies) of the field irrigation systems, but do not include any losses sustained before conveyed water reached farm headgates. Estimates of initial surface water diversions, will, in most cases, be larger than the survey estimates of on-farm use of surface water.

*Surface-Water Irrigation Only* includes that portion of the acreage and acre-feet of water applied for *All Irrigation* that was supplied from *only* surface-water sources, measured from the farm headgate, not the points of diversion.

*Ground-Water Irrigation Only* includes that portion of the acreage and acre-feet of water applied for *All Irrigation* that was supplied from *only* ground-water sources.

*Irrigation Using Combined Supplies* includes that portion of the acreage of *All Irrigation* where both surface and ground water sources were used on the same acreage or where surface and ground-water supplied irrigation was so intermingled that it was impractical to outline the areas where each was used. The part of the combined supply used that was surface water is shown as a percentage.

*Irrigation Wells* is the estimated total number of operable wells in the applicable area at the time of survey.

*Sprinkler Systems* gives the estimated number of acres irrigated with sprinkler irrigation systems during the survey years.

#### **Crop Data (Table 4)**

Table 4 provides estimated irrigated crop acreages for each county for the State for 1984 and 1989. Irrigated crop acreages sometimes exceed irrigated acreages shown in Table 1 because two or more irrigated crops were grown during the same year on the same surface acre (double cropping). Skip-row planted crop acreages have been converted to equivalent solid-planted acreages. Explanations of the crop designations in Table 4 are given below:

*Cotton* includes all types and varieties, including Egyptian.

*Grain Sorghum, Corn, Rice, Wheat, and Other Grain* includes all types and varieties of each when planted "to be harvested for grain." Acreage is included if it was intended for the crop to mature as grain for harvest, even though it may have been grazed during early growth.

*Forage Crops* includes all crops planted for forage, silage, and greenchop.

*Peanuts, Soybeans, or Other Oil Crops* include acreages of each harvested for nuts, beans, or seed for vegetable oil extraction.

*Citrus, Other Orchard, Vineyard, and Pecans* of both bearing and non-bearing acreages are included in these separate items.

*Vegetables - Shallow Root* includes brussel sprouts, cabbage, cauliflower, celery, lettuce, onions, radishes, spinach, strawberries, sweet corn, and other shallow rooted truck crops.

*Vegetables - Deep Root* includes beans, beets, (except sugar beets), cantaloupes, carrots, chard, cucumbers, eggplant, okra, peas, peppers, pumpkin, squash, sweet potatoes, tomatoes, turnips, watermelons, and other deeper-rooted crops.

*Alfalfa, Other Permanent Hay and Pasture, Sugar Beets, Sugar Cane, and Irish Potatoes* are the remaining specific crop categories.

*All Other Crops* category is included for recording acreage of any irrigated crop not otherwise classified.

#### **Miscellaneous Countywide Data (Table 5)**

Table 5 provides countywide data from the 1989 Survey only. Survey items having significance to the current status of Texas irrigation have been tabulated.

The number of miles of lined ditches and underground pipelines, and acreages served, and the number of on-farm impoundments used for irrigation, and acreages served, are shown as improved conservation measures being used by Texas irrigators.

An irrigated operating unit reflects the acreage under the control of an individual operator as being an operating unit regardless of the number or location of the parcels of land that the producer operated.

The number of acres served by trickle irrigation systems is shown for each county. Trickle irrigation systems can be installed on the soil surface, beneath the soil, or a combination of both.

Table 5 includes the estimated acreage that is equipped for irrigation and that was irrigated previously, but not in 1989. An adequately producing well for ground-water irrigation use, or turnouts and other required facilities for surface water use, were considered minimal facilities to qualify acreage for this item.

#### **Major Irrigation Areas (Table 6)**

In Table 6, the county data in Table 1 are selectively regrouped to show the total acreage irrigated and the total water used in those counties comprising major irrigation areas of the State. The data are presented for the seven survey years - 1958, 1964, 1969, 1974, 1979, 1984, and 1989. Discussion of trends in the major irrigation areas is given in subsequent portions of the



## RESULTS AND SUMMARY

### General

Irrigation is practiced in many parts of Texas under various climatic conditions. In the arid, far-western part of the State, irrigation supplies almost all of the water used by crops, while in the sub-humid parts of the State, a significant part of the crop water requirement is derived from rainfall in most years. To the east in the humid climatic zone, rainfall is adequate for crop production most years, but crop yields are often assured or increased with irrigation during infrequent, critical dry periods.

Water supply adequate to meet the present and future demands of irrigated agriculture is very important. Irrigation production of food and fiber crops has, to a degree, been accomplished through a partial depletion of our ground-water supplies, a situation calling for judicious use and conservation of remaining supplies.

Texas irrigation increased from 6.7 million acres in 1958 to 7.7 million acres in 1964, to 8.2 million acres in 1969, to 8.6 million acres in 1974, and then decreased to 7.8 million acres in 1979, to 6.7 million acres in 1984, and to 6.1 million acres in 1989 (Figure 1 and Tables 1, 2, and 6). The decrease in acres irrigated in 1989 was due largely to economic conditions. Many acres were not irrigated in 1989 because of higher energy costs, declining well yields, unavailability of labor, and depressed farm prices.

Ground water (only) was used for irrigating about 70 percent of the land irrigated in 1989, 25 percent of the acreage was irrigated from surface-water (only) supplies, and 5 percent from mixed supplies of ground and surface water.

Crop year 1989 was a difficult year to survey because of the rainfall distribution (Figure 2). Much of Northwest Texas went into the spring months with above normal rainfall; rainfall and soil moisture were below average during the last part of the growing season of the 1989 crops. Heavy irrigation water application was needed during the growing season. However, for preplant and early plant development, only small amounts of irrigation was required in much of the area. This was beneficial to the declining ground-water supplies being used for irrigation. In the area south, southwest, and west of San Antonio, dry weather plagued the farmers during the entire growing season. Many irrigation wells were used to capacity all season long. The Brazos River Valley and Gulf Coast Prairie areas were also drier than usual.

Irrigation water use increased from 9.6 million acre-feet in 1958 to 12.5 million in 1964. From 1964, however, water use decreased somewhat despite a large gain in irrigated acreage, and in 1969 was 11.6 million acre-feet, a reduction of 0.9 million acre-feet from 1964. The total water used in 1974 on irrigated crops was 13.1 million acre-feet, a 13 percent increase since 1969 in the total water used. While 1964 was abnormally dry, 1958 and 1969 were relatively wet years (Figure 3). The winter, spring, and early summer months in 1974 were very dry although the annual rainfall was near normal. The total water used in 1979 on irrigated crops was 9.7 million acre-feet, a 26 percent decrease from 1974. The first three months and last three months of 1979 in many areas of the State were fairly dry, with about

### Irrigation Water Use

average precipitation the other six months. The total water used in 1984 on irrigated crops was 9.3 million acre-feet, a 5 percent decrease from 1979.

The total water used in 1989 on irrigated crops was 8.8 million acre-feet, a 6 percent decrease from 1984, a reduction of 547,657 acre-feet. Nineteen eighty-nine (1989) was a dry year with near average precipitation the first six months, and very dry the last six months in most areas of the State.

The amount of surface water used on-farm in 1989 on irrigated crops was 2.15 million acre-feet, an increase of only 4 percent from that used in 1984 which was 2.06 million acre-feet. In 1979, 1.85 million acre-feet was used; in 1974, 2.19 million acre-feet; in 1969, 2.35 million acre-feet; in 1964, 1.99 million acre-feet; and in 1958, 2.17 million acre-feet.

Ground-water use decreased in 1989 to 6.19 million acre-feet, which was a decrease of 10 percent from the amount used in 1984. Ground-water use was 6.79 million acre-feet in 1984, 6.92 million acre-feet in 1979, 10.28 million acre-feet in 1974, 8.62 million acre-feet in 1969, 9.99 million acre-feet in 1964, and 6.95 million acre-feet in 1958.

The amount of water use from combined supplies in 1989 was 448,665 acre-feet or 47,861 acre-feet less than in 1984.

Water use per acre irrigated in 1989 statewide was 1.45 acre-feet per acre; it was 1.38 acre-feet per acre in 1984; 1.24 acre-feet per acre in 1979; 1.52 acre-feet per acre in 1974; 1.41 acre-feet per acre in 1969; 1.62 acre-feet per acre in 1964; and 1.43 acre-feet per acre in 1958.

Irrigation wells were about the same in number even though some of the old well casings have deteriorated and wells have been abandoned. There were 100,000 wells in 1989; 100,000 wells in 1984; 95,000 wells in 1979; 90,000 wells in 1974; 83,000 in 1969; 70,000 in 1964; and 55,000 in 1958. Not all of these wells were necessarily used in the survey year referenced, although all were considered operable during that year.

Most irrigators in the State are aware of the critical importance of their water supplies. Since total ground-water use constitutes 71 percent of the on-farm water use for irrigation in the State, the diminution of this resource is a threat to Texas' agricultural economy and will ultimately have an adverse effect on the overall economy of the State and the Nation.

The Ogallala Aquifer, which furnishes most of the water for the High Plains area is a declining ground-water supply. Over 80 percent (3.9 million acres) of the total irrigation in the State is in the High Plains area where water levels are generally declining and saturated aquifer thickness is dwindling.

Many irrigators faced with dwindling water supplies have tried to compensate by using less water per acre - in effect, stretching the water over more acres than the supply will irrigate fully. Though research, however, ways are being found to produce satisfactory levels of crop yields with less water by applying the water at the particular stage of crop growth when the crop can use it most efficiently. Other conservation measures now being practiced are discussed in a later section.

Acreage of irrigated crops decreased in the State in 1989. There were 7.0 million acres in 1958, 8.0 million acres in 1964, 8.3 million acres in 1969, 8.8 million acres in 1974, 8.1 million acres in 1979, 6.9 million acres in 1984, and 6.3 million acres in 1989 (Table 4). The difference in acreage between the acreage irrigated and the irrigated crop acreage results from double cropping - growing two or more crops on the same acre during the survey year. Double cropping was done on 220,000 acres in 1989, which was 67,000 acres more than in 1984.

The following tabulation shows that the irrigated acreage of grain sorghum has trended downward since 1969. Irrigated acreage in pasture, hay, and other feeds as a group trended upward strongly through 1969, but declined by 1989 to only 10 percent of the irrigated acreage. Wheat accounts for 15 percent of the 1989 irrigated acreage.

	1958	1964	1969	1974	1979	1984	1989
Grain Sorghum	31	32	33	28	16	15	13
Cotton	29	29	22	24	28	31	29
Pasture, Hay, and Other Feed	12	13	17	11	8	9	10
Wheat	11	11	11	14	15	17	15
Vegetables	7	5	4	3	3	3	4
Rice	6	6	7	6	7	6	5
Corn	2	1	3	8	12	11	13
All Other	2	3	3	6	11	8	11
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

---

*Percentages of Total  
Acreage of Irrigated Crops*

In examining the data in Table 4, it is noted that cotton is still the leading irrigated crop in 1989. Most irrigated cotton acreage is located in the Southern High Plains. Many acres of grain sorghum have been replaced with cotton and corn. Irrigated cotton acreage has increased in many parts of the State, including the Lower Rio Grande Valley, High Plains, and El Paso areas. Grain sorghum was 21 percent lower in 1989 than in 1984, or 225,000 acres less, but much lower than previous survey levels. Corn had a 4 percent increase in 1989 over 1984, or 29,000 acres more. Wheat decreased 18 percent or 210,481 acres in 1989, compared with 1984, and rice acreage decreased by about 16 percent or 59,833 acres. Cotton, wheat, grain sorghum, and corn are the leading irrigated crops in 1989, in the order listed (see Table 4).

Pecans show a 12 percent increase in 1989 over 1984, or an increase of 6,763 acres. The acreage of this crop is expanding in the El Paso Valley, parts of the Winter Garden-San Antonio area, parts of the South High Plains, parts of the Edwards Plateau, Cross Timbers and in small tracts in many other parts of the State. Trickle irrigation systems are being used in many of the new pecan orchards.

Alfalfa acreage decreased in 1989 by 29,000 acres over 1984.

Oil crops other than cotton - principally peanuts, soybeans, castorbeans, guar, flaxseed, and sunflowers - accounted for 394,000 acres in 1989. Of this total, peanuts accounted for 149,000 acres and soybeans 196,000 acres. There was 19,000 more acres of peanuts in 1989 than in 1984 and 100,000 more acres of soybeans.

Soybeans were produced with irrigation mostly on the High Plains, either as a regular rotation crop or from late seedings on land where earlier cotton plantings had been damaged by hail or other causes. In some instances, soybeans were planted following wheat where double cropping is practiced. Some of the dryland soybeans were concentrated in the more humid, eastern part of the State where dryland soybeans work very well in a rice-soybean rotation system.

Irrigated fruits are important to the economy of Texas agriculture. Grapefruit and oranges were grown on only 38,182 irrigated acres in the four Lower Rio Grande Valley counties in 1989. The acreage of citrus was 38,000 acres in 1984; 99,000 acres in 1979; 98,000 acres in 1974; 101,000 acres in 1969; 85,000 acres in 1964; and 69,000 acres in 1958. Peaches and apples are grown both under irrigation and dryland in many parts of the State.

Sugarcane is grown only in the Lower Rio Grande Valley of Texas. About 43,000 acres of sugarcane were irrigated in 1989 in the Valley compared to 35,500 acres in 1984. This is a reappearance of an industry of economic importance to the Valley. Sugarcane was grown in the Valley as early as 1830 when it was processed for local use, and reached a peak around 1913. Adverse markets hastened abandonment of production in the 1920's.

Grapes are a crop that has expanded in acreage in the last few years in the South High Plains and Trans-Pecos area. In 1989, there were 5,138 acres of irrigated vineyards.

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## Major Irrigation Areas

Figure 8 shows the approximate location of the lands irrigated in the State in 1989 and the kind of water used - ground water or surface water. In preparing Figure 8, the mixed supplies were included with the ground-water or surface-water designations according to their relative predominance. If a mixed supply was 50 percent or more surface water, it is shown as surface water on the map; if less than 50 percent, it is shown as ground water. Figure 7 shows the general outline of the major irrigation areas which are discussed below. As indicated in Table 6, these major irrigation areas account for more than 99 percent of the irrigated land in Texas in 1989.

The High Plains accounts for nearly 3.9 million acres or 65 percent of the total 1989 irrigated acreage in the State, and most of it is irrigated with ground water, mostly from the Ogallala Aquifer. This is a declining water supply of uneven distribution. In some areas, the saturated thickness of the aquifer is less than 50 feet while in other areas it is more than 300 feet. Severe diminution of the water supply occurs in the thin sections, and in some areas in the South High Plains the water is essentially depleted and cropping has been converted to dryland.

The amount of water used on the High Plains in 1989 was 4.6 million acre-feet, which is 53 percent of the water used for irrigation in the State in 1989. This is a decrease of 471,000 acre-feet over 1984 and 628,000 fewer acres were irrigated than in 1984.

The Lower Rio Grande Valley consists of a four-county area - Cameron, Willacy, Hidalgo, and Starr. In 1989, 765,800 acres were irrigated; in 1984, 731,300 acres; in 1979, 789,400 acres; in 1974, 794,000 acres; in 1969, 808,000 acres; in 1964, 819,000 acres; and in 1958, 768,000 acres. Irrigated acreage is fairly stable because of the adjudicated water rights to the use of Rio Grande waters.

The general designation of North-Central Texas in this report includes 26 counties in parts of the Rolling Plains, Reddish Prairies, and Northern Edwards Plateau in which irrigation is concentrated in relatively small, scattered areas (Figures 7 and 8). In this region, 171,000 acres were irrigated in 1989; 173,000 acres in 1984; 230,000 acres in 1979; 257,000 acres in 1974; 245,000 acres in 1969; 227,000 acres in 1964; and 135,000 acres in 1958. Haskell, Knox, Hall, Wilbarger, and Wichita Counties each had more than 12,000 acres of irrigated land in 1989. All other counties had less than 12,000 acres each.

The irrigated land in the Trans-Pecos consists of a number of separated, individual areas in 12 counties. In 1989, 157,000 acres were irrigated and the amount of water used for irrigation was 537,000 acre-feet. The irrigation water contains an undesirable level of soluble salt, so extra water is used before planting to leach the soluble salts below the root zone in the soil.

The Winter Garden-San Antonio area extends from San Antonio west to Brackettville and south to Carrizo Springs, including eight counties as outlined in Figure 7.

The Middle Rio Grande Valley is an area along the Rio Grande between Falcon and Amistad Reservoirs in Maverick, Webb, and Zapata Counties and includes the Maverick Irrigation District area. The water used for irrigation is from the Rio Grande and is delivered by gravity flow.

The general designation of the San Angelo area, in this report, includes 13 counties in parts of the Rolling Plains, Reddish Prairies and Central Edwards Plateau in which irrigation is concentrated in small, scattered areas (Figures 7 and 8). The use of irrigation water in this region is largely dependent upon the amount of rainfall and the availability of ground water of usable quality. Most of the wells are shallow and weak. In this region, 123,000 acres were irrigated in 1989; 123,000 acres in 1984; 122,000 acres in 1979; 97,000 acres in 1974; 78,000 acres in 1969; 63,000 acres in 1964; and 34,000 acres in 1958. Tom Green, Glasscock, and Reagan Counties each had more than 25,000 acres of irrigated land in 1989.

The Gulf Coast Prairie is the rice producing area of Texas, situated in the coastal plain north and east of the Coastal Bend in an area between Victoria and Orange, Texas. In this area, 353,000 acres were irrigated in 1989;

413,000 acres in 1984; 558,000 acres in 1979; 575,000 acres in 1974; 575,000 acres in 1969; 503,000 acres in 1964; and 464,000 acres in 1958.

West Cross Timbers is an area of sandy soils that has supported a scattered growth of hardwoods and tall grasses. It occurs in the North-Central part of the State between the North-Central Prairies and the Grand Prairie (see Figure 7). Peanuts, pecans, and peaches are the major irrigated crops and irrigation became widespread in the peanut area beginning in the late 1960's. There were 82,000 acres were irrigated in 1989; 83,000 acres in 1984; 76,000 acres in 1979; 65,000 acres in 1974; 56,000 acres in 1969; 18,000 acres in 1964; and 14,000 acres in 1958.

The Brazos River Valley is a six-county area along the Brazos River where most of the irrigated land is on the floodplain or terrace soils adjacent to the river. Cotton is usually the principal irrigated crop; however, grain sorghum is replacing cotton on some acreage. The areas irrigated totaled 52,000 acres in 1989; 49,000 acres in 1984; 46,000 acres in 1979; 62,000 acres in 1974; 74,000 acres in 1969; 103,000 acres in 1964; and 7,000 acres in 1958.

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## Land Resources for Irrigation

The kinds, amounts, and locations of the soils physically suitable for irrigation in Texas have been determined from completed soil surveys, conservation needs inventories, and irrigation surveys. Data from these studies show that about 38 million acres of land in the State are physically suitable for irrigation, although much of this acreage does not have water available for irrigation use. The 38 million acres include the presently irrigated land.

The acreage of land previously irrigated and still equipped for irrigation, but not irrigated in 1989, was obtained during the field survey (Table 5). By definition, this is land having at least an adequately producing well for ground-water use, or minimum turnouts and other facilities of using surface water, or both. Approximately 2.44 million acres were recorded in this category, in addition to the 6.08 million acres irrigated in 1989. All of this acreage is readily available for future irrigation. Much of the previously irrigated land is in the rice-producing area of the Coast Prairie where rice, soybeans, and grass are rotated with 1 or 2 years of rice and 1 or 2 years of soybeans or grass, though only rice would be irrigated, typically. Two counties in the Trans-pecos, Reeves and Pecos, and a few counties in the High Plains account for most of the remaining acreage of land previously irrigated, but not irrigated in 1989.

The number of irrigated operating units in 1989 was 34,898. Based on the acreage irrigated (Table 1) and the number of operating units (Table 5), 174 acres were irrigated per operating unit in 1989, compared with 194 acres per operating unit in 1984, 209 acres per operating unit in 1979, and 213 acres per operating unit in 1974.

Urban development continues to expand onto irrigable land, especially in the Houston-Galveston area, El Paso area, San Antonio area, and in the suburbs of smaller cities. In the Lower Rio Grande Valley, large blocks of formerly irrigated land have been converted to trailer parks.

Water application with sprinkler equipment has expanded rapidly as labor has become more expensive and less plentiful and as sprinkler equipment has been improved. Tables 1, 2, and 3 include the acreage of land that has been watered with some kind of sprinkler equipment.

Since 1974, many irrigators have invested in new equipment including side-roll and center-pivot sprinkler systems. In 1989, 2,110,000 acres were irrigated with sprinkler equipment. Sprinkler systems are widely used also in the Cross Timbers and the Winter Garden-San Antonio area where the sandy soils have gently sloping and uneven surfaces. Statewide, 2,140,000 acres were irrigated with sprinkler systems in 1984; 2,197,000 acres in 1979; 1,854,000 acres in 1974; 1,548,000 acres in 1969; 1,077,000 acres in 1964; and 668,000 acres in 1958.

A somewhat recent approach to irrigation is called trickle or drip irrigation. Its use in American irrigated agriculture is largely restricted at present to perennial crops.

Essentially, trickle irrigation spot irrigates crops - mostly citrus, pecans, grapes, and fruit orchards currently - by applying water only to the base of each plant. The system utilizes plastic tubes that have emitters located near each plant and the emitters are designed to provide the amount of water needed for maximum plant growth.

Water is saved with this method because the total soil area is not wetted, as with sprinkler or flood irrigation. Trickle irrigation applies smaller amounts of water than conventional methods, and runoff water is nearly eliminated.

Other advantages include labor savings, increased plant vigor and yields, use of low-volume wells, and better adaptation to sandy soils. Fertilizers can be applied in the irrigation water.

Some of the researchers caution that there are problems associated with trickle irrigation. The development in Israel took place on deep, very sandy soils that take water rapidly and where the soil-water-plant relationships are quite different than on most Texas irrigated soils. Emitters will clog if the irrigation water is not properly filtered, there are problems in controlling emitter output, and rodent damage may be a problem in some areas. Installation costs are high, also.

The 1989 irrigation survey shows that 40,900 acres in Texas were being irrigated with trickle systems compared to 29,900 acres in 1984 and 19,800 acres in 1979 and 4,000 acres in 1974. This is an increase of almost 37 percent in 5 years, or 11,000 acres. Leading crops were pecans, on 26,750 acres and grapes, 4,500 acres. Other crops irrigated with trickle system and the acreage of each in 1989 are as follows: citrus, 3,575 acres; orchards, 1,930 acres; vegetables, 1,885 acres; nursery and windbreaks, 1,130 acres; blueberries, 420 acres; and other crops, 1,710 acres.

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## Sprinkler Systems

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## Trickle Irrigation

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## Conservation Measures

Declining ground-water supplies, rising costs of pumping, and limited supplies of surface water are requiring that irrigation water-use efficiency be increased to the fullest extent feasible. The purposes of agricultural water conservation are to allow existing, but exhaustible, ground-water reserves to support present irrigated acreages for longer periods of time, to reduce the costs of production, and, to the extent possible, allow for an increase in irrigated agriculture to meet growing market demands for food and fiber in future decades.

Significant savings in water use can be accomplished with improvements in conveyance systems, the use of more efficient irrigation application systems, soil moisture monitoring, the development and use of drought-tolerant strains and varieties of crops, and the use of growth regulators and evaporation suppressants. Along with use of water-saving equipment and practices to reduce the quantities of irrigation water applied to crops, appropriate farming practices need to be developed and used to capture and hold rainfall in the soil profile. The capture and retention in the soil profile of rainfall, or reducing runoff from fields, applies beneficially to dryland farming operations as well as to irrigation operations. Furrow diking and conservation tillage are the leading practices currently in use to reduce rainwater runoff, along with control of weeds and brush that use water for no beneficial purposes. In order to realize these potentials, public and private agencies, institutions, and establishments need to expand water conservation research and extension programs.

Public agencies' role in agricultural water conservation should be to promote conservation and disseminate information and materials on irrigation techniques and equipment that are water efficient. Agricultural water conservation work will be done to the extent that resources are available for programs of public information, training, assistance, and demonstrations to local-area soil and water conservation districts, underground water conservation districts, farmers, and through cooperation and support of all federal, state, and local agencies with related responsibilities. It is in the private sector, however, that most of the actual investment, production, financing, and finally purchase and use of irrigation water conservation equipment must be made.

The declining ground and surface-water supplies available for irrigation have convinced many people of the need for water conservation and good water management. In a properly planned and well-managed irrigation system, all necessary equipment and control structures are installed, the quantity of water used for each irrigation is determined by the need of the crop (especially the stage of growth), and the water-holding capacity of the soil is determined. Water then is applied at a rate and in such a manner that the crops are able to use it efficiently and significant soil erosion does not occur.

The system design should make efficient use of irrigation water applied and rainfall. When planning the system, the peak use rates and seasonal and monthly demands of each crop must be considered in determining the irrigation water requirements. Research and experience have been the basis for using soil moisture balance studies to calculate irrigation water



requirements. Research in recent times has provided data on when to irrigate and how much water to apply for maximum efficiency in irrigation water application. Following these findings produces maximum yields per inch of water applied or acceptable yields with much less water, acceptable meaning a yield from irrigating that has a positive net economic benefit.

Additional activity has been in the area of assisting irrigators to evaluate the efficiency of their irrigation systems. The High Plains Underground Water Conservation District No. 1, other underground water conservation districts, the U.S.D.A. Soil Conservation Service (SCS), and local soil and water conservation districts, with assistance from the Texas Water Development Board, have established an efficiency testing program using mobile units call Field Water Conservation Laboratories. These units contain various types of measuring instruments to test irrigation systems efficiency. Based on test results, SCS or Texas Water Development Board personnel provide recommendations to improve the irrigation systems. This helps the irrigator use water more efficiently (less waste) and also cut down on his fuel cost.

Many irrigators are installing water-saving conveyance measures which have been accounted for in the irrigation surveys. The data for 1989 show 1,199 miles of concrete-lined ditches serving 155,000 acres of irrigated land and 22,000 miles of underground pipelines serving 4.8 million acres of irrigated land. Eighty-two percent of 1989 irrigated land was supplied with these kinds of water conserving facilities. Most of these facilities are in the Lower Rio Grande Valley, Winter Garden-San Antonio area, and the High Plains.

Storage reservoirs are being built in water-short areas to hold water being pumped from weak wells in order to have sufficient water when needed for irrigation. In some areas playa lakes are being modified to concentrate the water in deep pools. This reduces the area exposed to surface evaporation and provides the maximum amount of water available for irrigation. Some systems are modified to pump back the runoff from row-irrigated land (tailwater) and thus conserve water through reuse. Some producers, as well as researchers, are using recharge wells to put playa lake water into the Ogallala Aquifer.

There were 512 on-farm water impoundments, exclusive of playa lakes, serving 50,000 acres of irrigated land in 1989. These impoundments of surface-water supplies enable the irrigator to utilize the water when it is needed.

Furrow diking is a method of mechanically mounding soil in furrows at selected intervals perpendicular to the farming direction, forming a series of micro dams and water-impounding basins. An important and primary method of improving rainfall effectiveness in crop production is to increase infiltration of rainfall on cropland, thereby storing moisture in the soil for use by plants. Furrow diking is an excellent way to accomplish this without extra modification or additional trips through the fields. This practice applies beneficially to both irrigated and dryland farming.

Several new methods of irrigating have developed or implemented in the last ten years. Texas has the honor of being partly, in one case, and almost fully in another, the principal in two of these methods, surge flow and LEPA systems.

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## Surge Flow Irrigation

Surge flow irrigation is an innovative method of furrow (and basin) irrigation that capitalizes on a natural, soil physical phenomenon. It entails irrigation with two sets of gated pipe, switching water back and forth between these sets. This shunting of water is done with a valve located at a "T" or "Y". The valve is controlled by a timer, such that one set of gated pipe is discharging the furrow streams while the other remains closed. At the predetermined interval, the valve opens to allow water down the previously dry side and closes access to the gated pipe which had just had water. At the appropriate time, the switch is made again. Typical interval times range from 15 minutes to one hour.

During the off period of the cycle, the water that was in the furrow infiltrates into the soil. This infiltration action creates a surface sealing effect that reduces subsequent infiltration. This infiltration rate reduction helps to lower deep percolation loss at the top of fields.

Apart from its enhancement of furrow irrigation performance because of the surge-flow effect, these valves are leading toward automation of furrow watering. Valves may also be used to establish cut-back irrigation (large furrow streams are used to get the water to the bottom of fields quickly, then cut back to avoid runoff) by simply opening both sides of the valve, reducing furrow streams by 50 percent. This method of irrigation is well recognized as being highly efficient.

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## LEPA Systems

The Low Energy Precision Application (LEPA) system involves a center pivot sprinkler (although it can be used on a linear move) that has been nozzled for low-energy application. Water is discharged at low pressure right into furrows, which run in concentric circles. The furrows are also furrow diked. The idea behind the system is to eliminate as much evaporation loss as possible. In essence, it has some of the attributes of center pivot, furrow, and trickle irrigation. The furrow dikes keep the water in place and prevent uniformity imbalances arising from water running off higher elevations into lower areas. Application efficiency of 98 percent is possible. This high efficiency (conventional center pivots average only 77 percent) is also coupled with less energy use when compared with the traditional center pivot.

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
ANDERSON	1958	1,825	967	1,275	629	350	188	200	150	75	8	840
	1964	1,124	457	424	215	280	139	420	103	74	9	282
	1969	960	324	960	324	0	0	0	0	0	0	200
	1974	1,745	743	1,035	470	160	90	550	183	80	1	720
	1979	275	67	275	67	0	0	0	0	0	1	160
	1984	605	460	415	346	190	113	0	0	0	2	370
	1989	492	381	425	353	67	28	0	0	0	4	210
ANDREWS	1958	1,200	1,699	0	0	1,200	1,699	0	0	0	14	1,200
	1964	8,000	16,393	0	0	8,000	16,393	0	0	0	85	8,000
	1969	2,389	1,198	0	0	2,389	1,198	0	0	0	104	2,389
	1974	5,353	5,278	0	0	5,353	5,278	0	0	0	80	5,353
	1979	9,207	9,132	0	0	8,957	8,882	250	250	50	85	9,207
	1984	4,871	3,605	0	0	4,871	3,605	0	0	0	150	4,754
	1989	4,594	2,932	0	0	4,344	2,724	250	208	50	150	4,473
ANGELINA	1958	61	22	61	22	0	0	0	0	0	0	61
	1964	44	13	40	12	4	1	0	0	0	0	44
	1969	46	36	40	33	4	2	2	1	60	43	34
	1974	185	462	0	0	185	462	0	0	0	0	185
	1979	225	563	0	0	225	563	0	0	0	0	225
	1984	225	563	0	0	225	563	0	0	0	0	225
	1989	0	0	0	0	0	0	0	0	0	0	0
ARANSAS	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	1	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
ARCHER	1958	500	367	500	367	0	0	0	0	0	0	0
	1964	500	791	500	791	0	0	0	0	0	0	0
	1969	795	846	795	846	0	0	0	0	0	0	165
	1974	795	846	795	846	0	0	0	0	0	0	165
	1979	200	167	200	167	0	0	0	0	0	0	0
	1984	200	333	200	333	0	0	0	0	0	0	0
	1989	200	333	200	333	0	0	0	0	0	0	0
ARMSTRONG	1958	24,845	21,509	0	0	24,845	21,509	0	0	0	162	430
	1964	27,825	43,782	0	0	27,825	43,782	0	0	0	195	250
	1969	25,518	33,968	0	0	25,518	33,968	0	0	0	212	300
	1974	26,348	30,308	0	0	26,348	30,308	0	0	0	219	330
	1979	24,370	12,837	0	0	24,370	12,837	0	0	0	225	1,660
	1984	11,460	7,097	0	0	11,460	7,097	0	0	0	200	640
	1989	14,539	10,549	0	0	14,539	10,549	0	0	0	200	609
ATASCOSA	1958	23,200	30,915	0	0	23,200	30,915	0	0	0	201	16,100
	1964	28,505	43,479	175	201	28,330	43,278	0	0	0	253	21,630
	1969	33,050	52,155	175	178	32,875	51,977	0	0	0	290	33,050
	1974	34,735	57,096	175	134	34,560	56,962	0	0	0	315	34,735
	1979	31,175	55,799	175	134	31,000	55,665	0	0	0	330	31,175
	1984	31,988	35,039	0	0	31,988	35,039	0	0	0	350	31,988
	1989	36,770	50,914	0	0	36,770	50,914	0	0	0	400	36,120
AUSTIN	1958	2,958	4,055	0	0	2,958	4,055	0	0	0	23	450
	1964	4,292	7,004	199	105	3,921	6,727	172	172	50	28	612
	1969	4,697	8,236	164	107	4,533	8,129	0	0	0	33	750
	1974	3,663	10,246	0	0	3,663	10,246	0	0	0	33	0
	1979	4,050	10,017	0	0	4,050	10,017	0	0	0	33	0
	1984	3,015	8,754	0	0	3,015	8,754	0	0	0	33	0
	1989	3,285	9,172	0	0	3,265	9,172	0	0	0	33	220

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
BAILEY	1958	147,000	256,887	0	0	147,000	256,887	0	0	0	1,600	18,496
	1964	149,210	354,508	0	0	149,210	354,508	0	0	0	1,820	36,480
	1969	157,170	184,883	0	0	157,170	184,883	0	0	0	1,900	81,490
	1974	166,518	375,874	0	0	166,518	375,874	0	0	0	1,600	91,998
	1979	182,338	252,185	0	0	182,338	252,185	0	0	0	2,438	103,224
	1984	142,283	149,132	0	0	142,283	149,132	0	0	0	5,600	102,889
	1989	139,147	197,092	0	0	139,147	197,092	0	0	0	4,900	104,551
BANDERA	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	315	284	226	190	89	94	0	0	0	5	282
	1969	318	321	207	237	111	84	0	0	0	10	318
	1974	127	95	79	59	48	36	0	0	0	10	127
	1979	258	532	200	432	58	100	0	0	0	10	207
	1984	213	168	152	107	61	61	0	0	0	12	150
	1989	298	255	136	122	162	133	0	0	0	12	222
BASTROP	1958	1,000	1,110	935	1,065	65	45	0	0	0	2	25
	1964	2,300	2,166	2,030	1,929	270	237	0	0	0	6	1,910
	1969	3,351	2,142	2,138	1,332	633	423	580	387	20	11	2,411
	1974	3,195	3,015	2,100	1,920	515	515	580	580	29	12	2,305
	1979	25	15	25	15	0	0	0	0	0	10	0
	1984	1,598	1,130	890	663	28	37	680	430	33	6	1,078
	1989	995	546	395	204	20	12	580	330	21	4	745
BAYLOR	1958	3,736	3,371	0	0	3,736	3,371	0	0	0	121	467
	1964	6,256	6,092	100	53	6,156	6,039	0	0	0	155	614
	1969	7,220	6,483	700	375	6,520	6,108	0	0	0	165	2,220
	1974	7,220	5,661	700	297	6,520	5,364	0	0	0	175	2,220
	1979	1,777	794	0	0	1,777	794	0	0	0	175	532
	1984	2,965	1,670	40	20	2,925	1,650	0	0	0	175	855
	1989	3,525	1,857	40	20	3,485	1,837	0	0	0	175	1,190
BEE	1958	1,340	772	0	0	1,340	772	0	0	0	16	70
	1964	3,503	2,406	0	0	3,503	2,406	0	0	0	38	1,170
	1969	4,170	2,106	0	0	4,170	2,106	0	0	0	46	393
	1974	4,479	1,611	0	0	4,479	1,611	0	0	0	48	360
	1979	575	467	0	0	575	467	0	0	0	55	0
	1984	3,930	1,373	25	38	3,905	1,335	0	0	0	54	40
	1989	3,063	2,261	150	29	2,913	2,232	0	0	0	57	1,363
BELL	1958	1,175	887	795	594	380	293	0	0	0	3	673
	1964	1,749	1,356	1,339	1,058	410	298	0	0	0	4	1,472
	1969	1,552	958	1,372	838	30	20	150	100	70	5	1,552
	1974	2,246	1,802	2,066	1,622	30	30	150	150	60	5	2,246
	1979	775	340	735	306	40	33	0	0	0	5	775
	1984	980	708	930	666	50	42	0	0	0	5	968
	1989	897	636	657	459	240	177	0	0	0	8	846
BEXAR	1958	27,100	39,195	10,500	14,845	16,600	24,350	0	0	0	102	1,600
	1964	29,961	61,771	14,700	29,371	15,261	32,400	0	0	0	133	4,603
	1969	29,229	34,534	6,573	7,053	7,521	10,311	15,135	17,170	46	135	4,823
	1974	26,462	27,652	14,218	13,953	12,244	13,699	0	0	0	140	7,639
	1979	24,051	35,250	13,521	19,418	10,530	15,832	0	0	0	133	6,119
	1984	20,104	38,815	9,565	15,266	10,499	23,449	40	100	60	133	5,478
	1989	17,345	36,038	6,213	11,517	10,682	23,404	450	1,117	60	120	4,012
BLANCO	1958	225	232	125	126	100	106	0	0	0	3	225
	1964	375	384	185	196	190	188	0	0	0	5	345
	1969	135	131	37	48	98	83	0	0	0	5	118
	1974	207	118	47	35	160	83	0	0	0	10	207
	1979	263	197	87	76	176	121	0	0	0	13	187
	1984	233	419	27	62	206	357	0	0	0	14	117
	1989	268	514	27	61	241	453	0	0	0	20	117

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
BORDEN	1958	1,400	808	0	0	1,400	808	0	0	0	40	500
	1964	1,400	709	0	0	1,400	709	0	0	0	40	1,400
	1969	1,401	716	11	16	1,390	700	0	0	0	62	11
	1974	741	628	11	18	730	610	0	0	0	60	21
	1979	291	303	11	23	280	280	0	0	0	60	21
	1984	531	266	0	0	531	266	0	0	0	60	0
	1989	531	266	0	0	531	266	0	0	0	50	0
BOSQUE	1958	429	440	429	440	0	0	0	0	0	0	399
	1964	971	1,207	841	1,141	0	0	130	66	25	3	365
	1969	3,453	4,203	2,804	3,394	325	377	324	432	10	9	2,877
	1974	2,742	1,059	1,636	614	435	175	671	270	38	10	2,241
	1979	1,183	571	1,123	556	60	15	0	0	0	10	1,183
	1984	1,857	1,275	1,471	1,082	100	50	286	143	9	10	1,270
	1989	1,461	1,281	1,329	1,238	132	43	0	0	0	10	939
BOWIE	1958	4,858	4,315	4,045	3,346	563	344	250	625	60	13	1,550
	1964	2,886	3,902	2,098	2,095	220	103	568	1,704	20	20	738
	1969	1,612	2,495	1,034	1,519	78	26	500	950	23	19	45
	1974	1,710	3,029	1,278	1,733	432	1,296	0	0	0	19	0
	1979	2,282	6,496	1,842	5,526	440	970	0	0	0	20	140
	1984	3,492	9,018	2,095	5,865	857	1,533	540	1,620	25	40	351
	1989	2,996	4,841	1,462	3,294	1,534	1,547	0	0	0	36	822
BRAZORIA	1958	51,295	167,389	43,950	146,775	4,995	12,389	2,350	8,225	21	43	0
	1964	56,355	133,783	52,650	126,318	2,555	4,878	1,150	2,587	30	18	0
	1969	69,560	218,068	59,170	192,303	7,940	18,211	2,450	7,554	50	30	0
	1974	59,368	158,315	50,399	134,397	6,219	16,584	2,750	7,334	50	30	0
	1979	67,098	141,760	56,890	123,262	4,387	6,371	5,821	12,127	60	40	1,630
	1984	44,274	127,159	35,876	111,956	7,344	12,041	1,054	3,162	60	58	5,028
	1989	32,367	109,113	29,246	101,074	2,105	4,822	1,016	3,217	60	90	550
BRAZOS	1958	17,600	15,079	5,250	4,415	11,850	10,257	500	407	50	238	2,090
	1964	24,830	25,730	9,140	10,001	15,590	15,696	100	33	50	295	1,070
	1969	20,690	17,776	1,170	1,003	8,750	7,297	10,770	9,476	71	305	1,060
	1974	8,700	5,908	0	0	2,800	1,975	5,900	3,933	66	300	300
	1979	10,950	8,258	350	313	3,100	2,325	7,500	5,620	60	300	450
	1984	9,793	9,501	340	340	2,953	2,862	6,500	6,299	25	300	0
	1989	11,792	8,430	1,845	1,434	4,667	3,237	5,280	3,759	50	310	0
BREWSTER	1958	234	588	234	588	0	0	0	0	0	0	0
	1964	220	715	200	665	20	50	0	0	0	1	0
	1969	0	0	0	0	0	0	0	0	0	3	0
	1974	148	379	83	249	65	130	0	0	0	4	0
	1979	248	627	97	316	151	311	0	0	0	6	0
	1984	233	427	0	0	233	427	0	0	0	10	135
	1989	120	238	0	0	120	238	0	0	0	10	0
BRISCOE	1958	55,000	38,817	0	0	55,000	38,817	0	0	0	539	3,200
	1964	70,200	111,348	0	0	70,200	111,348	0	0	0	607	2,700
	1969	63,970	96,069	260	367	63,710	95,702	0	0	0	650	2,520
	1974	66,196	103,045	672	1,026	65,524	102,019	0	0	0	821	4,189
	1979	65,776	95,350	252	315	65,524	95,035	0	0	0	815	4,887
	1984	60,133	45,644	426	213	59,707	45,431	0	0	0	746	6,689
	1989	44,167	31,085	0	0	44,167	31,085	0	0	0	776	5,755
BROOKS	1958	690	173	0	0	690	173	0	0	0	25	690
	1964	2,270	1,675	0	0	2,270	1,675	0	0	0	22	2,270
	1969	1,970	1,025	0	0	1,970	1,025	0	0	0	30	1,970
	1974	2,619	1,632	0	0	2,619	1,632	0	0	0	38	2,619
	1979	285	123	0	0	285	123	0	0	0	27	285
	1984	450	135	0	0	450	135	0	0	0	29	450
	1989	472	281	0	0	472	281	0	0	0	42	448

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
BROWN	1958	3,696	1,384	3,696	1,384	0	0	0	0	0	0	0
	1964	4,997	7,247	4,997	7,247	0	0	0	0	0	0	60
	1969	10,466	25,887	9,739	24,855	727	1,032	0	0	0	25	1,322
	1974	11,016	28,104	10,289	27,072	727	1,032	0	0	0	25	1,407
	1979	7,904	5,732	7,177	5,030	727	702	0	0	0	49	1,507
	1984	6,531	7,472	5,463	6,226	1,068	1,245	0	0	0	56	1,500
	1989	6,525	7,355	5,357	5,798	1,168	1,557	0	0	0	56	1,600
BURLESON	1958	10,460	10,447	640	640	9,820	9,807	0	0	0	222	300
	1964	18,605	19,745	2,524	3,306	16,081	16,439	0	0	0	247	170
	1969	14,040	17,132	2,069	2,229	11,971	14,903	0	0	0	225	0
	1974	14,635	9,762	1,995	1,369	12,640	8,393	0	0	0	235	130
	1979	11,613	8,798	250	175	11,363	8,623	0	0	0	240	25
	1984	11,739	7,723	0	0	10,824	7,200	915	523	50	260	23
	1989	11,227	5,123	0	0	10,312	4,730	915	393	50	260	100
BURNET	1958	370	388	280	313	90	75	0	0	0	1	260
	1964	486	1,064	448	1,026	38	38	0	0	0	3	448
	1969	970	1,408	889	1,287	81	121	0	0	0	3	889
	1974	690	518	509	382	181	136	0	0	0	5	589
	1979	81	176	0	0	81	176	0	0	0	5	50
	1984	140	291	0	0	140	291	0	0	0	8	50
	1989	224	265	165	165	59	100	0	0	0	5	165
CALDWELL	1958	1,105	990	850	777	255	213	0	0	0	5	700
	1964	780	681	400	347	380	334	0	0	0	10	525
	1969	382	225	206	79	176	146	0	0	0	10	206
	1974	1,755	1,660	1,620	1,563	135	97	0	0	0	10	1,675
	1979	337	262	264	213	73	49	0	0	0	10	250
	1984	646	694	373	269	135	149	138	276	80	9	501
	1989	1,321	1,198	846	909	119	111	356	178	80	7	1,267
CALHOUN	1958	7,947	14,739	7,427	14,479	520	260	0	0	0	0	0
	1964	7,627	22,480	6,947	21,886	680	594	0	0	0	7	0
	1969	8,832	38,579	7,993	37,035	839	1,544	0	0	0	7	0
	1974	11,019	43,171	10,114	40,456	905	2,715	0	0	0	4	0
	1979	12,196	35,843	9,214	27,642	2,982	8,201	0	0	0	15	0
	1984	9,161	28,143	8,048	24,897	1,113	3,246	0	0	0	20	0
	1989	6,371	29,311	5,150	25,750	1,221	3,561	0	0	0	8	0
CALLAHAN	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	319	160	160	81	159	79	0	0	0	12	319
	1969	1,002	1,670	465	775	537	895	0	0	0	41	1,002
	1974	1,425	1,819	685	868	740	951	0	0	0	66	1,385
	1979	1,155	698	435	266	720	432	0	0	0	74	1,155
	1984	846	519	178	105	499	313	169	101	50	85	846
	1989	1,001	626	210	124	597	383	194	119	50	85	1,001
CAMERON	1958	280,823	585,132	261,840	537,091	716	1,670	18,267	46,371	59	80	3,000
	1964	282,800	366,500	274,400	355,100	400	400	8,000	11,000	70	40	200
	1969	287,445	414,528	287,445	414,528	0	0	0	0	0	40	0
	1974	287,445	392,245	287,445	392,245	0	0	0	0	0	40	0
	1979	287,445	330,067	287,445	330,067	0	0	0	0	0	0	0
	1984	268,707	376,457	268,207	375,707	0	0	500	750	75	10	500
	1989	268,700	400,798	268,700	400,798	0	0	0	0	0	0	0
CAMP	1958	2	1	2	1	0	0	0	0	0	0	2
	1964	340	117	25	12	0	0	315	105	20	1	340
	1969	287	192	137	92	50	25	100	75	70	1	287
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	67	152	7	7	60	145	0	0	0	2	7
	1989	121	67	30	7	91	60	0	0	0	4	3

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
CARSON	1958	65,400	61,065	0	0	65,400	61,065	0	0	0	206	0
	1964	104,310	149,906	0	0	104,310	149,906	0	0	0	495	0
	1969	124,725	175,800	0	0	124,725	175,800	0	0	0	565	150
	1974	130,420	184,354	0	0	130,420	184,354	0	0	0	724	350
	1979	134,050	160,365	0	0	134,050	160,365	0	0	0	788	3,790
	1984	114,000	105,924	0	0	114,000	105,924	0	0	0	750	5,575
	1989	106,528	93,553	0	0	106,528	93,553	0	0	0	760	8,550
CASS	1958	29	16	29	16	0	0	0	0	0	0	29
	1964	130	62	130	62	0	0	0	0	0	0	130
	1969	100	50	100	50	0	0	0	0	0	0	100
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
CASTRO	1958	401,670	354,475	0	0	401,670	354,475	0	0	0	2,600	0
	1964	406,500	634,300	0	0	406,500	634,300	0	0	0	3,150	1,000
	1969	411,500	548,634	0	0	411,500	548,634	0	0	0	3,350	480
	1974	408,948	546,160	0	0	408,948	546,160	0	0	0	3,950	4,900
	1979	368,650	411,731	0	0	368,650	411,731	0	0	0	3,950	16,150
	1984	231,657	321,357	0	0	231,657	321,357	0	0	0	3,760	29,494
	1989	219,797	279,694	0	0	219,797	279,694	0	0	0	4,531	83,844
CHAMBERS	1958	39,273	117,819	36,339	109,017	0	0	2,934	8,802	75	4	0
	1964	45,315	113,262	45,315	113,262	0	0	0	0	0	0	15
	1969	51,383	128,457	51,383	128,457	0	0	0	0	0	4	0
	1974	50,105	125,262	50,105	125,262	0	0	0	0	0	4	0
	1979	53,090	106,180	53,090	106,180	0	0	0	0	0	0	0
	1984	32,393	113,091	32,308	112,878	85	213	0	0	0	1	80
	1989	25,730	72,795	25,730	72,795	0	0	0	0	0	0	0
CHEROKEE	1958	580	152	580	152	0	0	0	0	0	0	580
	1964	660	147	580	116	80	31	0	0	0	2	660
	1969	202	121	170	87	32	34	0	0	0	6	109
	1974	123	70	18	3	40	13	65	54	50	2	118
	1979	131	152	66	22	0	0	65	130	50	1	131
	1984	274	658	185	434	24	8	65	217	50	5	246
	1989	274	535	185	354	24	8	65	173	49	5	246
CHILDRESS	1958	7,500	12,499	0	0	7,500	12,499	0	0	0	91	700
	1964	11,356	17,261	0	0	11,356	17,261	0	0	0	137	1,976
	1969	11,601	8,903	0	0	11,601	8,903	0	0	0	142	2,680
	1974	12,033	9,383	0	0	12,033	9,383	0	0	0	145	3,167
	1979	11,746	9,747	0	0	11,746	9,747	0	0	0	150	5,077
	1984	10,770	10,002	0	0	10,770	10,002	0	0	0	130	3,755
	1989	6,405	5,829	0	0	6,405	5,829	0	0	0	135	4,710
CLAY	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	155	215	20	30	135	185	0	0	0	10	155
	1969	190	330	35	70	155	260	0	0	0	8	190
	1974	345	543	175	240	170	303	0	0	0	8	345
	1979	469	317	225	156	244	162	0	0	0	10	469
	1984	644	441	350	215	294	226	0	0	0	19	594
	1989	544	498	200	200	344	298	0	0	0	25	324
COCHRAN	1958	65,600	108,784	0	0	65,600	108,784	0	0	0	1,200	46,000
	1964	88,600	125,266	0	0	88,600	125,266	0	0	0	1,375	61,100
	1969	84,600	65,313	0	0	84,600	65,312	0	0	0	1,543	77,400
	1974	104,474	85,564	0	0	104,474	85,564	0	0	0	1,586	94,806
	1979	105,195	28,095	0	0	105,195	28,095	0	0	0	1,647	104,318
	1984	105,512	73,917	0	0	105,512	73,917	0	0	0	1,540	104,635
	1989	40,650	27,082	0	0	40,650	27,082	0	0	0	1,100	39,373

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
COKE	1958	173	219	141	176	32	43	0	0	0	3	0
	1964	639	931	639	931	0	0	0	0	0	2	358
	1969	718	1,306	555	1,128	163	178	0	0	0	3	323
	1974	497	766	477	746	20	20	0	0	0	5	477
	1979	316	554	88	132	228	422	0	0	0	7	316
	1984	310	513	0	0	310	513	0	0	0	7	75
	1989	390	571	77	102	313	469	0	0	0	9	155
COLEMAN	1958	350	242	350	242	0	0	0	0	0	0	190
	1964	439	830	439	830	0	0	0	0	0	0	439
	1969	1,238	1,407	1,238	1,407	0	0	0	0	0	0	1,068
	1974	2,147	2,836	2,147	2,836	0	0	0	0	0	0	1,836
	1979	2,420	3,609	2,420	3,609	0	0	0	0	0	0	2,149
	1984	2,219	2,064	2,219	2,064	0	0	0	0	0	0	2,083
	1989	871	1,089	871	1,089	0	0	0	0	0	0	815
COLLIN	1958	120	40	120	40	0	0	0	0	0	0	70
	1964	230	125	230	125	0	0	0	0	0	0	180
	1969	135	22	135	22	0	0	0	0	0	0	55
	1974	205	47	205	47	0	0	0	0	0	0	205
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
COLLINGSWORTH	1958	6,930	6,803	0	0	6,930	6,803	0	0	0	54	5,810
	1964	7,985	6,469	185	162	7,800	6,307	0	0	0	100	6,625
	1969	7,750	5,084	380	237	7,370	4,847	0	0	0	130	6,420
	1974	8,975	17,640	155	262	8,820	17,378	0	0	0	144	7,655
	1979	6,081	2,881	40	22	6,041	2,860	0	0	0	143	5,236
	1984	5,314	5,884	40	45	5,274	5,839	0	0	0	136	4,864
	1989	10,999	12,934	20	17	10,979	12,917	0	0	0	168	10,551
COLORADO	1958	37,284	111,422	28,370	84,877	8,214	24,445	700	2,100	54	60	700
	1964	37,485	147,647	26,276	111,800	8,792	26,936	2,417	8,911	53	86	450
	1969	42,741	175,740	28,118	125,456	14,293	49,046	330	1,238	50	115	0
	1974	47,478	178,127	28,710	114,720	13,686	45,619	5,082	17,788	20	95	0
	1979	45,685	154,254	27,746	97,111	13,257	41,926	4,682	15,217	22	105	25
	1984	36,501	134,009	24,795	95,048	10,552	35,115	1,154	3,847	20	105	25
	1989	34,541	111,625	25,451	84,628	7,929	23,127	1,161	3,870	31	110	0
COMAL	1958	362	287	80	72	282	215	0	0	0	5	293
	1964	200	203	175	191	25	12	0	0	0	4	125
	1969	323	149	0	0	323	149	0	0	0	6	147
	1974	319	192	41	20	278	172	0	0	0	6	115
	1979	422	173	18	5	404	168	0	0	0	11	316
	1984	523	649	115	147	408	501	0	0	0	13	397
	1989	390	490	36	9	354	481	0	0	0	13	338
COMANCHE	1958	1,585	1,306	580	373	1,005	933	0	0	0	32	1,525
	1964	2,595	2,407	967	1,032	1,255	840	373	535	60	83	2,575
	1969	20,026	19,552	6,486	6,186	11,856	11,744	1,684	1,622	44	1,000	19,626
	1974	21,717	18,253	8,166	6,875	12,016	10,024	1,535	1,354	49	1,050	21,317
	1979	34,841	22,631	18,181	10,136	15,495	11,621	1,165	874	50	1,100	29,218
	1984	41,086	45,005	19,740	20,856	18,790	20,954	2,556	3,195	49	1,600	32,894
	1989	43,032	46,243	15,806	15,938	23,706	26,700	3,520	3,605	41	1,800	31,437
CONCHO	1958	500	250	500	250	0	0	0	0	0	0	70
	1964	1,355	1,931	836	1,336	519	595	0	0	0	15	325
	1969	1,530	1,868	1,003	1,442	527	426	0	0	0	13	665
	1974	1,228	740	862	481	366	259	0	0	0	13	117
	1979	906	654	433	331	473	323	0	0	0	22	20
	1984	2,478	2,225	830	402	1,648	1,823	0	0	0	61	728
	1989	3,428	3,531	365	233	2,673	2,843	390	455	63	90	1,030



Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft		Number	Acres
COOKE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	288	187	132	66	156	121	0	0	0	4	256
	1969	397	217	168	84	115	47	114	86	50	9	367
	1974	379	169	168	81	131	55	80	33	60	12	349
	1979	384	120	159	60	225	60	0	0	0	7	194
	1984	540	424	50	17	306	193	184	215	20	9	450
	1989	160	320	0	0	160	320	0	0	0	9	160
CORYELL	1958	355	185	345	180	10	5	0	0	0	1	115
	1964	645	331	635	324	10	7	0	0	0	1	300
	1969	665	700	640	675	25	25	0	0	0	1	465
	1974	665	609	640	588	25	21	0	0	0	1	465
	1979	490	314	490	314	0	0	0	0	0	1	340
	1984	310	338	300	325	10	13	0	0	0	2	150
	1989	310	337	300	325	10	12	0	0	0	2	130
COTTLE	1958	11,973	18,385	0	0	11,973	18,385	0	0	0	125	9,075
	1964	13,250	13,688	0	0	13,250	13,688	0	0	0	156	10,000
	1969	5,450	5,463	0	0	5,450	5,463	0	0	0	130	2,610
	1974	6,800	4,683	0	0	6,800	4,683	0	0	0	135	2,920
	1979	1,455	1,298	0	0	1,455	1,298	0	0	0	135	963
	1984	1,712	1,913	20	5	1,632	1,758	60	150	10	135	1,373
	1989	801	469	0	0	741	409	60	60	50	100	662
CRANE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	115	90	0	0	115	90	0	0	0	20	111
	1989	12	7	0	0	12	7	0	0	0	16	8
CROCKETT	1958	805	1,964	0	0	765	1,839	40	125	50	9	0
	1964	1,320	3,197	0	0	1,320	3,197	0	0	0	16	1,010
	1969	1,718	3,167	0	0	1,718	3,167	0	0	0	19	1,439
	1974	908	2,090	0	0	908	2,090	0	0	0	20	888
	1979	909	1,305	0	0	909	1,305	0	0	0	22	909
	1984	450	338	0	0	450	338	0	0	0	8	450
	1989	341	412	0	0	341	412	0	0	0	8	251
CROSBY	1958	200,000	139,148	0	0	200,000	139,148	0	0	0	1,551	5,000
	1964	168,400	188,448	0	0	168,400	188,448	0	0	0	2,050	2,120
	1969	167,350	215,809	160	170	165,990	214,106	1,200	1,533	10	2,082	3,145
	1974	164,855	232,800	20	13	163,315	230,814	1,520	1,973	50	2,105	5,690
	1979	52,800	43,088	0	0	2,072	2,380	50,728	40,708	55	2,124	10,160
	1984	158,618	123,113	0	0	142,944	113,643	15,674	9,469	50	2,042	10,345
	1989	120,440	91,171	0	0	119,466	90,274	974	897	50	1,892	18,265
CULBERSON	1958	9,905	29,176	0	0	9,905	29,176	0	0	0	86	150
	1964	10,480	24,512	0	0	10,480	24,512	0	0	0	124	400
	1969	8,974	31,861	0	0	8,974	31,861	0	0	0	110	400
	1974	8,429	28,935	0	0	8,429	28,935	0	0	0	122	560
	1979	21,105	46,885	0	0	21,105	46,885	0	0	0	182	13,619
	1984	9,819	20,051	0	0	9,819	20,051	0	0	0	175	3,069
	1989	9,013	14,145	0	0	9,013	14,145	0	0	0	150	5,992
DALLAM	1958	42,225	49,874	0	0	42,225	49,874	0	0	0	271	660
	1964	76,970	120,083	0	0	76,970	120,083	0	0	0	342	9,620
	1969	128,600	160,985	0	0	128,600	160,985	0	0	0	712	49,902
	1974	155,905	243,520	0	0	155,905	243,520	0	0	0	900	93,120
	1979	220,515	323,345	0	0	220,515	323,345	0	0	0	1,200	148,950
	1984	213,375	285,751	0	0	213,375	285,751	0	0	0	1,200	188,502
	1989	204,515	286,576	0	0	204,515	286,576	0	0	0	1,200	193,225

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
DALLAS	1958	1,765	977	1,765	977	0	0	0	0	0	0	0
	1964	1,495	563	1,045	412	0	0	450	151	70	2	1,365
	1969	240	240	165	157	75	83	0	0	0	6	1,045
	1974	265	248	120	118	145	130	0	0	0	6	75
	1979	0	0	0	0	0	0	0	0	0	8	195
	1984	80	115	40	55	40	60	0	0	0	6	0
	1989	80	115	40	55	40	60	0	0	0	6	20
DAWSON	1958	70,000	105,116	0	0	70,000	105,116	0	0	0	0	0
	1964	100,000	148,783	0	0	100,000	148,783	0	0	0	570	70,000
	1969	74,570	42,192	30	23	74,540	42,169	0	0	0	1,400	99,500
	1974	52,020	31,245	0	0	52,020	31,245	0	0	0	1,500	74,010
	1979	56,700	9,700	0	0	56,700	9,700	0	0	0	1,520	52,020
	1984	32,390	21,362	0	0	32,390	21,362	0	0	0	1,540	56,700
	1989	33,360	43,684	0	0	33,360	43,684	0	0	0	1,600	32,390
DEAF SMITH	1958	282,660	407,293	0	0	282,660	407,293	0	0	0	2,300	0
	1964	304,400	469,145	0	0	304,400	469,145	0	0	0	2,300	300
	1969	275,100	481,525	0	0	275,100	481,525	0	0	0	2,800	200
	1974	310,000	514,799	0	0	310,000	514,799	0	0	0	3,522	4,400
	1979	294,500	315,706	0	0	294,500	315,706	0	0	0	3,722	18,750
	1984	285,530	297,892	0	0	285,530	297,892	0	0	0	3,609	15,240
	1989	206,151	213,674	0	0	206,151	213,674	0	0	0	3,609	38,112
DELTA	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	1,300	3,900	1,300	3,900	0	0	0	0	0	0	0
	1989	1,400	1,167	1,400	1,167	0	0	0	0	0	0	0
DENTON	1958	2,165	1,325	2,165	1,325	0	0	0	0	0	0	1,165
	1964	390	290	390	290	0	0	0	0	0	0	390
	1969	410	179	310	121	100	58	0	0	0	1	410
	1974	360	154	30	8	330	146	0	0	0	6	360
	1979	470	208	30	8	440	201	0	0	0	10	470
	1984	570	502	0	0	570	502	0	0	0	11	570
	1989	745	822	0	0	745	822	0	0	0	11	745
DEWITT	1958	770	1,005	340	446	430	559	0	0	0	13	480
	1964	1,996	1,953	181	220	1,787	1,710	28	23	4	28	1,738
	1969	891	789	157	225	734	564	0	0	0	25	839
	1974	1,256	987	157	166	1,099	821	0	0	0	30	1,204
	1979	440	147	60	20	380	127	0	0	0	30	440
	1984	445	148	60	20	385	128	0	0	0	33	250
	1989	665	287	50	12	615	275	0	0	0	37	270
DICKENS	1958	10,504	10,504	0	0	10,504	10,504	0	0	0	453	420
	1964	11,994	11,994	0	0	11,994	11,994	0	0	0	472	1,925
	1969	19,047	16,916	410	385	18,337	16,281	300	250	40	550	7,390
	1974	19,137	15,288	320	267	18,817	15,021	0	0	0	550	4,240
	1979	12,957	3,279	420	112	12,537	3,167	0	0	0	550	7,220
	1984	9,472	5,816	1,123	468	7,859	5,058	490	290	60	184	4,746
	1989	7,114	4,632	565	231	6,389	4,308	160	93	50	131	2,272
DIMMIT	1958	21,100	26,213	0	0	13,950	18,303	7,150	7,910	50	362	433
	1964	19,718	28,241	0	0	12,085	14,873	7,633	13,368	38	382	790
	1969	28,289	34,862	1,002	1,440	18,423	20,785	8,864	12,637	48	65	728
	1974	23,576	33,522	315	394	14,744	18,781	8,517	14,347	45	65	2,292
	1979	14,093	21,558	6,021	9,029	5,722	9,078	2,350	3,451	20	104	698
	1984	11,169	18,873	1,250	617	6,696	12,472	3,223	5,785	10	104	1,038
	1989	7,215	12,404	805	1,128	3,314	5,943	3,096	5,333	73	100	1,017

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
DONLEY	1958	3,460	2,156	0	0	3,460	2,156	0	0	0	20	2,110
	1964	12,600	21,187	0	0	12,600	21,187	0	0	0	150	6,720
	1969	16,679	11,786	0	0	16,679	11,786	0	0	0	235	10,617
	1974	18,663	26,020	0	0	18,663	26,020	0	0	0	244	11,992
	1979	17,128	8,379	0	0	17,128	8,379	0	0	0	170	11,166
	1984	11,795	6,715	0	0	11,795	6,715	0	0	0	160	7,886
	1989	23,560	17,516	0	0	23,560	17,516	0	0	0	180	14,390
DUVAL	1958	305	142	0	0	305	142	0	0	0	4	305
	1964	1,014	958	0	0	1,014	958	0	0	0	7	1,014
	1969	4,111	2,369	20	10	4,091	2,359	0	0	0	32	4,111
	1974	3,845	2,909	0	0	3,845	2,909	0	0	0	33	3,845
	1979	4,752	2,208	0	0	4,752	2,208	0	0	0	51	4,432
	1984	2,755	2,517	0	0	2,755	2,517	0	0	0	51	2,755
	1989	3,455	2,233	0	0	3,455	2,233	0	0	0	51	3,455
EASTLAND	1958	265	163	31	16	234	147	0	0	0	13	265
	1964	978	831	218	97	700	709	60	25	10	33	978
	1969	10,045	10,007	1,240	1,308	6,927	6,838	1,878	1,861	40	600	10,045
	1974	10,386	10,459	1,330	1,403	7,178	7,178	1,878	1,878	39	650	10,386
	1979	12,051	13,088	1,905	2,096	8,130	8,808	2,016	2,184	38	665	12,051
	1984	11,939	11,939	1,765	1,765	8,158	8,158	2,016	2,016	43	685	11,939
	1989	12,094	12,094	1,795	1,795	8,283	8,283	2,016	2,016	47	710	12,094
ECTOR	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	2,200	5,712	0	0	2,200	5,712	0	0	0	200	2,200
	1969	4,100	3,708	0	0	3,500	2,716	600	992	90	300	4,100
	1974	2,980	3,607	0	0	2,640	3,308	340	299	90	500	2,980
	1979	3,280	3,693	0	0	2,910	3,374	370	319	90	600	3,280
	1984	2,367	5,527	0	0	1,757	3,448	610	2,079	90	650	1,723
	1989	2,696	6,291	0	0	2,254	4,751	442	1,540	80	650	1,941
EDWARDS	1958	277	210	277	210	0	0	0	0	0	0	277
	1964	325	326	325	326	0	0	0	0	0	0	315
	1969	310	248	310	248	0	0	0	0	0	0	265
	1974	375	315	225	207	150	108	0	0	0	3	275
	1979	325	282	175	173	150	108	0	0	0	3	225
	1984	53	177	53	177	0	0	0	0	0	0	53
	1989	84	667	84	667	0	0	0	0	0	4	25
ELLIS	1958	270	136	235	118	35	18	0	0	0	1	35
	1964	0	0	0	0	0	0	0	0	0	1	0
	1969	58	28	58	28	0	0	0	0	0	5	58
	1974	0	0	0	0	0	0	0	0	0	5	0
	1979	0	0	0	0	0	0	0	0	0	5	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	120	200	0	0	0	0	120	200	90	2	120
EL PASO	1958	55,551	193,002	0	0	976	4,681	54,575	188,321	95	547	0
	1964	55,000	140,681	0	0	1,600	4,828	53,400	135,853	15	550	10
	1969	57,919	206,014	0	0	1,193	4,685	56,726	201,329	99	593	300
	1974	56,375	179,310	0	0	1,180	4,055	55,195	175,255	99	601	448
	1979	53,810	165,075	0	0	510	1,760	53,300	163,315	99	590	90
	1984	47,526	159,709	0	0	215	833	47,311	158,876	99	590	40
	1989	45,845	171,394	0	0	50	104	45,795	171,290	98	475	0
ERATH	1958	1,984	2,293	576	538	1,408	1,755	0	0	0	45	1,962
	1964	3,174	2,908	1,077	1,145	1,879	1,542	218	221	29	46	3,174
	1969	6,453	6,831	1,680	1,971	4,295	4,346	478	514	61	221	6,453
	1974	12,524	12,861	2,846	2,340	8,457	9,509	1,221	1,012	49	218	12,509
	1979	12,524	11,987	2,782	2,738	8,497	8,067	1,245	1,182	48	218	12,509
	1984	14,095	12,534	2,552	1,485	10,270	9,983	1,273	1,066	48	285	13,758
	1989	15,673	11,165	2,570	1,462	11,070	8,627	2,033	1,076	55	287	15,504

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft		Number	Acres
FALLS	1958	5,525	4,574	1,000	929	3,995	3,198	530	447	95	100	995
	1964	6,413	8,250	1,710	1,312	4,173	6,278	530	660	95	108	1,170
	1969	7,606	6,906	2,465	2,144	5,141	4,762	0	0	0	107	3,006
	1974	7,606	6,970	2,465	2,129	5,141	4,841	0	0	0	107	3,006
	1979	3,946	2,649	0	0	3,946	2,649	0	0	0	104	496
	1984	6,635	6,947	2,010	2,247	4,625	4,700	0	0	0	110	860
	1989	6,237	4,145	1,947	1,221	4,290	2,924	0	0	0	50	740
FANNIN	1958	1,445	961	1,295	860	90	61	60	40	50	7	1,295
	1964	1,780	1,638	1,070	1,093	390	311	320	234	50	14	1,680
	1969	1,245	811	812	559	220	110	213	142	25	10	1,023
	1974	935	335	470	172	270	98	195	65	25	12	735
	1979	3,148	787	3,148	787	0	0	0	0	0	18	3,148
	1984	4,478	3,113	3,336	2,372	1,142	740	0	0	0	20	3,648
	1989	1,935	926	1,400	667	535	259	0	0	0	20	1,645
FAYETTE	1958	1,180	2,980	980	2,705	150	208	50	67	50	6	580
	1964	1,716	1,910	1,261	1,315	365	430	90	165	2	12	1,433
	1969	1,613	1,281	1,166	900	230	205	217	176	20	21	1,477
	1974	615	301	298	139	172	90	145	72	14	25	615
	1979	2,229	925	1,075	398	1,009	455	145	73	13	28	2,084
	1984	1,309	457	993	331	221	111	95	16	60	25	1,136
	1989	1,219	620	726	218	193	185	300	217	33	25	1,219
FISHER	1958	2,350	1,958	0	0	2,350	1,958	0	0	0	76	0
	1964	4,140	7,777	0	0	4,140	7,777	0	0	0	144	3,640
	1969	3,080	2,675	795	552	2,070	1,825	215	298	54	160	1,330
	1974	3,305	2,762	815	384	1,880	1,851	610	527	54	170	1,370
	1979	2,715	2,519	240	167	1,865	1,826	610	527	55	170	1,330
	1984	1,333	1,977	30	50	1,128	1,813	175	113	90	190	1,150
	1989	1,840	2,477	160	267	1,495	2,100	185	110	55	75	1,350
FLOYD	1958	300,250	188,592	0	0	300,250	188,592	0	0	0	2,500	0
	1964	321,910	256,026	0	0	321,910	256,026	0	0	0	3,500	320
	1969	315,000	317,646	0	0	315,000	317,646	0	0	0	3,950	350
	1974	306,320	287,400	0	0	306,320	287,400	0	0	0	4,100	900
	1979	277,295	176,968	0	0	277,295	176,968	0	0	0	4,394	4,002
	1984	207,600	184,504	0	0	188,400	174,904	19,200	9,600	50	4,500	3,255
	1989	185,000	106,651	0	0	185,000	106,651	0	0	0	4,000	4,669
FOARD	1958	1,581	2,685	0	0	1,581	2,685	0	0	0	66	1,581
	1964	2,089	2,160	0	0	2,089	2,160	0	0	0	88	2,089
	1969	2,300	2,687	0	0	2,300	2,687	0	0	0	95	2,300
	1974	2,980	3,533	0	0	2,980	3,533	0	0	0	52	2,980
	1979	4,820	5,300	0	0	4,820	5,300	0	0	0	84	4,820
	1984	4,220	4,080	0	0	4,220	4,080	0	0	0	84	4,220
	1989	4,100	4,101	0	0	4,100	4,101	0	0	0	84	4,100
FORT BEND	1958	27,362	65,193	7,022	20,249	19,140	44,194	1,200	750	60	74	600
	1964	26,713	51,075	7,483	16,910	18,030	33,148	1,200	1,017	60	79	100
	1969	33,540	85,869	8,800	24,483	24,740	61,386	0	0	0	110	450
	1974	27,150	68,491	7,650	21,908	19,500	46,583	0	0	0	120	450
	1979	26,627	55,254	6,856	17,140	19,771	38,114	0	0	0	120	1,070
	1984	25,201	86,108	6,987	29,622	18,214	56,487	0	0	0	130	1,775
	1989	18,740	51,896	5,618	18,240	13,122	33,656	0	0	0	130	793
FRANKLIN	1958	40	20	40	20	0	0	0	0	0	0	40
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	35	9	20	7	15	2	0	0	0	1	35
	1974	0	0	0	0	0	0	0	0	0	1	0
	1979	250	63	250	63	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	70	23	70	23	0	0	0	0	0	0	0

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
FREESTONE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	25	25	0	0	25	25	0	0	0	2	0
FRIO	1958	24,200	30,373	0	0	24,200	30,373	0	0	0	135	18,650
	1964	44,595	56,300	0	0	44,595	56,300	0	0	0	217	35,977
	1969	54,474	74,327	40	27	54,434	74,300	0	0	0	280	43,864
	1974	61,484	72,794	40	27	61,444	72,767	0	0	0	295	53,394
	1979	68,404	76,685	40	27	67,589	75,583	775	1,075	60	305	60,234
	1984	60,285	90,007	340	453	58,970	88,051	975	1,503	18	305	53,165
	1989	56,090	96,915	340	430	55,550	96,252	200	233	50	310	49,840
GAINES	1958	108,000	153,467	0	0	108,000	153,467	0	0	0	900	101,000
	1964	225,000	285,084	0	0	225,000	285,084	0	0	0	1,600	205,000
	1969	319,920	446,885	0	0	319,820	446,835	100	50	50	2,300	313,920
	1974	350,500	510,826	0	0	350,500	510,826	0	0	0	2,850	350,500
	1979	359,670	513,032	0	0	359,670	513,032	0	0	0	3,300	359,670
	1984	261,920	382,872	0	0	261,920	382,872	0	0	0	2,905	261,920
	1989	211,815	368,881	0	0	211,815	368,881	0	0	0	3,022	211,815
GALVESTON	1958	10,850	37,975	10,850	37,975	0	0	0	0	0	2	0
	1964	12,200	29,848	11,990	29,735	210	113	0	0	0	5	150
	1969	6,571	19,762	6,121	19,383	450	379	0	0	0	6	0
	1974	6,850	17,508	6,500	17,333	350	175	0	0	0	2	0
	1979	11,143	24,009	11,073	23,992	70	18	0	0	0	2	0
	1984	5,337	18,335	5,207	18,225	130	110	0	0	0	5	60
	1989	4,499	15,492	4,409	15,432	90	60	0	0	0	4	0
GARZA	1958	14,000	15,000	0	0	14,000	15,000	0	0	0	540	0
	1964	14,843	18,014	0	0	14,843	18,014	0	0	0	580	100
	1969	15,513	16,484	90	94	15,423	16,390	0	0	0	300	784
	1974	12,000	15,667	0	0	12,000	15,667	0	0	0	275	580
	1979	11,900	11,894	0	0	11,900	11,894	0	0	0	600	480
	1984	6,105	5,125	0	0	6,105	5,125	0	0	0	600	340
	1989	6,366	6,312	90	45	6,276	6,267	0	0	0	250	880
GILLESPIE	1958	1,500	1,500	1,150	1,150	350	350	0	0	0	9	1,500
	1964	1,544	1,812	1,064	1,216	480	596	0	0	0	19	1,544
	1969	1,360	1,359	1,002	1,019	358	340	0	0	0	20	1,360
	1974	1,721	832	981	461	740	371	0	0	0	30	1,721
	1979	1,176	1,434	356	529	820	904	0	0	0	36	796
	1984	1,201	2,039	175	153	1,026	1,887	0	0	0	40	700
	1989	1,046	2,185	220	231	826	1,954	0	0	0	50	705
GLASSCOCK	1958	10,800	11,597	0	0	10,800	11,597	0	0	0	94	1,850
	1964	17,540	24,577	0	0	17,540	24,577	0	0	0	327	3,047
	1969	23,139	34,185	0	0	23,139	34,185	0	0	0	468	4,159
	1974	28,186	55,103	0	0	28,186	55,103	0	0	0	873	4,793
	1979	33,614	38,956	0	0	33,614	38,956	0	0	0	950	1,834
	1984	31,854	41,647	0	0	31,854	41,647	0	0	0	1,150	1,961
	1989	26,535	31,108	0	0	26,535	31,108	0	0	0	1,350	1,632
GOLIAD	1958	1,810	451	1,365	342	315	80	130	29	50	5	767
	1964	3,408	2,905	2,125	1,826	1,043	873	240	206	50	7	1,808
	1969	2,695	1,276	2,153	1,076	542	200	0	0	0	9	542
	1974	2,031	955	1,552	776	479	179	0	0	0	9	379
	1979	0	0	0	0	0	0	0	0	0	9	0
	1984	992	327	912	304	80	23	0	0	0	3	430
	1989	799	546	533	382	266	164	0	0	0	12	728

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft		Number	Acres
GONZALES	1958	2,489	2,379	2,107	2,103	382	276	0	0	0	7	1,912
	1964	2,378	2,588	1,090	1,196	1,288	1,392	0	0	0	19	1,833
	1969	2,839	2,623	1,145	972	1,683	1,641	11	10	50	25	2,328
	1974	2,330	2,107	560	527	1,720	1,538	50	42	50	35	2,150
	1979	2,060	645	660	187	1,350	442	50	17	50	37	1,880
	1984	2,395	1,636	860	498	1,405	1,008	130	130	38	45	2,265
	1989	3,312	2,225	1,400	868	1,792	1,297	120	60	35	46	3,130
GRAY	1958	8,880	8,356	0	0	8,880	8,356	0	0	0	49	620
	1964	16,790	22,869	0	0	16,010	21,654	780	1,215	35	119	1,630
	1969	29,252	39,190	0	0	29,252	39,190	0	0	0	198	3,116
	1974	33,559	45,719	0	0	33,559	45,719	0	0	0	222	3,454
	1979	31,683	27,546	0	0	31,683	27,546	0	0	0	226	7,164
	1984	18,423	16,293	0	0	18,423	16,293	0	0	0	220	4,322
	1989	22,514	19,905	0	0	22,514	19,905	0	0	0	222	5,932
GRAYSON	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	727	482	345	234	382	248	0	0	0	10	727
	1969	749	580	176	137	365	279	208	164	75	21	616
	1974	1,973	1,741	709	630	1,056	938	208	173	75	24	1,973
	1979	2,427	1,149	560	227	1,476	727	391	196	50	26	2,377
	1984	2,232	1,570	524	319	1,589	1,166	119	85	42	29	2,032
	1989	2,083	2,969	220	220	1,794	2,693	69	56	36	40	1,999
GREGG	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	10	7	10	7	0	0	0	0	0	0	10
	1969	10	3	10	3	0	0	0	0	0	0	10
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
GRIMES	1958	774	740	375	375	399	365	0	0	0	5	449
	1964	1,219	855	804	594	415	261	0	0	0	6	819
	1969	1,325	1,012	775	612	550	400	0	0	0	8	625
	1974	220	115	0	0	220	115	0	0	0	28	220
	1979	580	145	0	0	580	145	0	0	0	28	580
	1984	624	479	0	0	624	479	0	0	0	8	620
	1989	129	141	91	101	38	40	0	0	0	4	8
GUADALUPE	1958	2,049	2,142	868	750	1,181	1,392	0	0	0	24	1,351
	1964	2,336	2,237	910	818	1,426	1,419	0	0	0	33	1,827
	1969	2,359	1,796	1,042	825	1,317	971	0	0	0	41	1,864
	1974	3,599	2,725	2,187	1,645	1,412	1,080	0	0	0	50	3,039
	1979	4,302	2,343	2,393	1,013	1,909	1,330	0	0	0	53	3,531
	1984	5,728	7,443	2,520	3,487	3,208	3,956	0	0	0	35	5,080
	1989	2,488	2,397	1,052	1,038	1,436	1,359	0	0	0	38	2,136
HALE	1958	533,455	575,752	0	0	533,455	575,752	0	0	0	4,500	1,490
	1964	461,800	1,105,616	0	0	461,800	1,105,616	0	0	0	4,378	8,000
	1969	352,520	680,167	0	0	352,520	680,167	0	0	0	4,400	13,000
	1974	431,495	826,357	0	0	430,595	824,614	900	1,743	20	4,600	18,000
	1979	386,891	356,949	0	0	0	0	386,891	356,949	25	4,463	28,000
	1984	354,900	526,631	0	0	354,000	525,273	900	1,358	20	4,700	51,500
	1989	345,900	452,343	0	0	345,000	451,051	900	1,292	40	4,690	68,330
HALL	1958	8,827	12,079	0	0	8,827	12,079	0	0	0	120	8,177
	1964	19,729	26,647	0	0	19,729	26,647	0	0	0	187	19,029
	1969	22,271	23,171	0	0	22,271	23,171	0	0	0	212	21,611
	1974	28,018	25,213	0	0	28,018	25,213	0	0	0	235	27,238
	1979	23,401	17,712	0	0	23,401	17,712	0	0	0	235	23,191
	1984	17,094	12,324	0	0	17,094	12,324	0	0	0	239	16,450
	1989	14,863	11,763	0	0	14,863	11,763	0	0	0	239	14,863

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
HAMILTON	1958	900	485	545	293	20	9	335	183	58	9	735
	1964	1,705	693	415	168	0	0	1,290	525	71	14	1,255
	1969	1,925	1,882	1,390	1,380	265	247	270	255	56	20	1,720
	1974	2,775	1,710	2,140	1,303	365	229	270	178	56	20	2,570
	1979	550	290	270	150	190	95	90	45	50	15	550
	1984	1,266	2,302	480	880	590	769	196	653	50	20	1,051
	1989	1,266	2,303	480	880	590	770	196	653	50	20	1,051
HANSFORD	1958	69,150	80,717	0	0	69,150	80,717	0	0	0	231	0
	1964	164,000	197,062	0	0	164,000	197,062	0	0	0	652	400
	1969	239,450	357,867	0	0	239,450	357,867	0	0	0	1,000	1,280
	1974	252,450	409,471	0	0	251,810	408,831	640	640	20	1,160	1,320
	1979	251,750	390,678	0	0	251,110	390,038	640	640	20	1,150	4,776
	1984	148,306	252,284	0	0	148,306	252,284	0	0	0	1,200	7,880
	1989	136,550	188,528	0	0	136,550	188,528	0	0	0	1,200	9,205
HARDEMAN	1958	10,000	12,000	0	0	10,000	12,000	0	0	0	300	750
	1964	15,110	22,932	0	0	15,110	22,932	0	0	0	280	1,290
	1969	15,150	20,158	130	238	15,020	19,920	0	0	0	285	3,340
	1974	15,200	17,411	130	173	15,070	17,238	0	0	0	286	3,440
	1979	4,380	1,418	180	60	4,200	1,358	0	0	0	295	890
	1984	6,671	6,592	120	170	6,551	6,422	0	0	0	295	1,505
	1989	7,147	6,172	77	82	7,070	6,090	0	0	0	300	2,114
HARDIN	1958	1,300	2,167	0	0	1,300	2,167	0	0	0	15	0
	1964	1,218	2,436	0	0	1,218	2,436	0	0	0	6	0
	1969	2,360	4,720	0	0	2,360	4,720	0	0	0	18	0
	1974	2,473	5,770	0	0	2,473	5,770	0	0	0	20	0
	1979	1,731	3,174	0	0	1,731	3,174	0	0	0	23	0
	1984	430	1,141	0	0	430	1,141	0	0	0	14	15
	1989	961	1,922	0	0	961	1,922	0	0	0	5	0
HARRIS	1958	35,350	103,633	4,000	12,000	31,350	91,633	0	0	0	320	150
	1964	38,050	85,410	3,650	9,065	34,400	76,345	0	0	0	336	0
	1969	36,619	121,527	4,339	14,824	32,280	106,703	0	0	0	200	448
	1974	31,932	90,941	2,800	8,400	29,132	82,541	0	0	0	190	0
	1979	22,844	49,933	1,977	4,943	18,953	40,525	1,914	4,466	50	140	405
	1984	16,375	33,484	585	1,755	15,790	31,729	0	0	0	184	2,000
	1989	12,470	31,025	0	0	11,870	29,275	600	1,750	75	175	1,600
HARRISON	1958	65	21	5	1	60	20	0	0	0	7	62
	1964	205	110	165	90	40	20	0	0	0	6	205
	1969	60	47	54	45	6	2	0	0	0	7	60
	1974	60	47	54	45	6	2	0	0	0	7	60
	1979	5	3	0	0	5	3	0	0	0	7	5
	1984	48	21	8	1	40	20	0	0	0	7	48
	1989	24	64	0	0	0	0	24	64	50	4	24
HARTLEY	1958	18,330	19,822	0	0	18,330	19,822	0	0	0	75	0
	1964	47,365	75,312	0	0	47,365	75,312	0	0	0	170	5,620
	1969	121,990	146,467	0	0	121,990	146,467	0	0	0	501	12,455
	1974	140,000	187,972	0	0	140,000	187,972	0	0	0	850	35,300
	1979	200,000	251,417	0	0	200,000	251,417	0	0	0	864	65,000
	1984	200,000	219,511	0	0	200,000	219,511	0	0	0	865	97,910
	1989	151,900	193,102	0	0	151,900	193,102	0	0	0	870	117,119
HASKELL	1958	15,755	29,533	0	0	15,755	29,533	0	0	0	528	5,050
	1964	48,310	66,247	90	155	48,200	66,075	20	17	20	904	28,650
	1969	37,410	38,070	420	374	36,990	37,696	0	0	0	900	30,631
	1974	33,915	41,714	40	60	33,860	41,639	15	15	50	900	18,680
	1979	34,020	38,288	340	275	33,680	38,013	0	0	0	910	18,600
	1984	24,644	21,026	0	0	24,644	21,026	0	0	0	920	20,676
	1989	28,630	26,040	0	0	28,630	26,040	0	0	0	935	25,042

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
HAYS	1958	1,526	2,063	861	1,197	665	866	0	0	0	10	1,301
	1964	2,187	2,457	1,011	1,132	1,176	1,325	0	0	0	16	1,692
	1969	2,367	2,724	779	837	1,588	1,887	0	0	0	16	2,049
	1974	1,719	1,725	842	822	877	903	0	0	0	16	1,550
	1979	891	572	682	455	209	118	0	0	0	10	603
	1984	1,025	876	864	726	161	150	0	0	0	6	757
	1989	267	301	267	301	0	0	0	0	0	4	251
HEMPHILL	1958	180	206	0	0	180	206	0	0	0	6	180
	1964	1,249	1,693	0	0	1,249	1,693	0	0	0	19	1,169
	1969	1,921	2,506	0	0	1,921	2,506	0	0	0	31	1,741
	1974	3,678	5,180	0	0	3,478	4,997	200	183	20	38	3,498
	1979	4,357	6,899	0	0	4,117	6,675	240	224	40	59	4,357
	1984	3,201	5,260	0	0	2,961	5,060	240	200	40	50	3,201
	1989	2,190	1,936	0	0	2,190	1,936	0	0	0	35	2,190
HENDERSON	1958	1,695	1,348	1,625	1,287	70	61	0	0	0	2	1,695
	1964	685	661	375	351	50	50	260	260	33	6	685
	1969	1,032	342	872	290	160	52	0	0	0	5	1,032
	1974	0	0	0	0	0	0	0	0	0	7	0
	1979	210	35	0	0	210	35	0	0	0	7	0
	1984	13	29	0	0	0	0	13	29	30	7	5
	1989	13	29	0	0	0	0	13	29	31	7	5
HIDALGO	1958	419,900	596,999	354,000	492,449	5,800	9,919	60,100	94,631	65	359	5,100
	1964	466,471	507,170	354,571	344,653	2,500	3,000	109,400	159,517	50	540	8,400
	1969	450,292	608,865	365,292	502,865	5,000	6,000	80,000	100,000	75	400	6,200
	1974	443,650	602,650	378,650	513,317	5,000	6,333	60,000	83,000	85	300	6,000
	1979	438,650	552,175	372,650	472,425	6,000	6,750	60,000	73,000	95	100	10,000
	1984	399,563	552,313	339,063	466,063	500	250	60,000	86,000	90	50	8,000
	1989	436,398	696,421	375,483	601,339	915	1,582	60,000	93,500	90	50	8,945
HILL	1958	200	170	200	170	0	0	0	0	0	0	200
	1964	455	421	350	368	105	53	0	0	0	16	390
	1969	1,120	808	540	450	580	358	0	0	0	15	1,120
	1974	1,140	562	580	324	560	238	0	0	0	15	1,140
	1979	800	101	390	33	410	68	0	0	0	15	800
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	340	265	215	215	125	50	0	0	0	4	215
HOCKLEY	1958	160,000	165,014	0	0	160,000	165,014	0	0	0	4,700	8,000
	1964	194,400	397,983	0	0	194,400	397,983	0	0	0	5,088	49,000
	1969	194,225	214,696	0	0	194,225	214,696	0	0	0	5,835	62,840
	1974	223,406	345,502	0	0	223,406	345,502	0	0	0	6,009	85,585
	1979	100,500	45,017	0	0	100,500	45,017	0	0	0	6,165	91,964
	1984	150,900	100,958	0	0	150,740	100,852	160	107	70	6,295	101,420
	1989	135,594	92,464	0	0	135,434	92,357	160	107	70	6,300	43,095
HOOD	1958	1,250	976	1,150	893	5	3	95	80	69	6	1,050
	1964	900	853	900	853	0	0	0	0	0	1	400
	1969	1,345	795	1,295	762	0	0	50	33	10	1	910
	1974	1,000	500	960	480	40	20	0	0	0	2	860
	1979	3,748	1,874	3,452	1,726	185	93	111	56	50	4	3,488
	1984	3,423	5,254	3,265	5,096	93	93	65	65	25	9	3,165
	1989	3,995	6,756	3,872	6,510	123	246	0	0	0	5	3,385
HOPKINS	1958	170	81	95	29	25	10	50	42	4	3	170
	1964	155	101	65	33	40	30	50	38	4	2	155
	1969	127	72	127	72	0	0	0	0	0	2	127
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	137	58	137	58	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0



Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
HOUSTON	1958	5,100	2,449	4,550	2,174	250	125	300	150	50	3	3,075
	1964	2,588	1,228	2,488	1,178	0	0	100	50	25	3	1,798
	1969	4,520	2,062	4,420	2,012	0	0	100	50	25	3	3,060
	1974	4,340	1,887	3,010	1,378	0	0	1,330	509	43	6	4,280
	1979	77	19	77	19	0	0	0	0	0	6	77
	1984	353	161	254	112	5	2	94	47	50	8	171
	1989	551	289	457	242	0	0	94	47	50	2	441
HOWARD	1958	1,000	1,533	0	0	1,000	1,533	0	0	0	25	1,000
	1964	1,200	2,167	0	0	1,200	2,167	0	0	0	45	1,000
	1969	1,966	1,379	96	124	1,870	1,255	0	0	0	50	1,266
	1974	2,446	2,504	96	144	2,350	2,360	0	0	0	60	1,746
	1979	791	856	16	24	775	832	0	0	0	60	781
	1984	506	613	51	112	455	502	0	0	0	60	506
	1989	2,111	2,175	494	574	1,617	1,601	0	0	0	60	2,003
HUDSPETH	1958	27,844	93,327	0	0	20,700	70,992	7,144	22,335	33	219	1,000
	1964	40,670	114,969	0	0	30,970	98,760	9,700	16,209	12	271	840
	1969	35,927	137,899	100	250	21,954	89,551	13,873	48,098	95	307	40
	1974	45,472	172,741	150	250	33,452	135,905	11,870	36,586	95	332	1,600
	1979	50,591	176,609	0	0	40,081	148,744	10,510	27,866	95	335	2,730
	1984	37,491	158,055	220	393	19,491	103,175	17,780	54,487	95	305	4,680
	1989	38,683	159,187	40	50	20,166	96,496	18,477	62,641	98	295	4,647
HUNT	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	197	147	173	135	24	12	0	0	0	2	197
	1969	0	0	0	0	0	0	0	0	0	1	0
	1974	15	7	15	7	0	0	0	0	0	1	15
	1979	155	103	155	103	0	0	0	0	0	0	155
	1984	155	103	155	103	0	0	0	0	0	0	155
	1989	414	269	414	269	0	0	0	0	0	0	404
HUTCHINSON	1958	35,010	43,495	0	0	35,010	43,495	0	0	0	97	0
	1964	40,780	53,175	0	0	40,780	53,175	0	0	0	202	200
	1969	62,000	78,200	0	0	62,000	78,200	0	0	0	275	630
	1974	69,954	87,558	0	0	69,954	87,558	0	0	0	325	1,280
	1979	80,389	102,539	0	0	80,389	102,539	0	0	0	375	1,100
	1984	44,895	60,142	0	0	44,895	60,142	0	0	0	270	1,408
	1989	35,000	44,746	0	0	35,000	44,746	0	0	0	260	4,006
IRION	1958	1,550	2,457	1,135	1,900	400	522	15	35	73	4	60
	1964	2,130	3,526	1,835	3,073	236	385	59	68	32	10	78
	1969	2,292	3,325	1,674	2,318	559	894	59	113	40	13	184
	1974	2,427	2,479	1,973	1,938	404	516	50	25	50	15	247
	1979	1,973	3,348	1,556	2,882	417	466	0	0	0	14	586
	1984	1,673	2,660	1,359	2,281	314	379	0	0	0	16	562
	1989	1,898	2,825	1,553	2,403	345	422	0	0	0	20	568
JACK	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	48	4	0	0	48	4	0	0	0	2	0
JACKSON	1958	28,165	97,808	0	0	26,245	91,858	1,920	5,950	26	160	102
	1964	28,481	89,327	85	42	26,797	84,221	1,599	5,064	29	410	105
	1969	33,750	116,417	0	0	33,096	114,128	654	2,289	63	535	0
	1974	41,784	125,506	563	1,782	40,856	122,568	365	1,156	50	585	0
	1979	41,489	131,382	0	0	38,209	120,995	3,280	10,387	27	605	176
	1984	30,685	96,669	0	0	28,265	89,006	2,420	7,663	24	645	250
	1989	25,126	72,151	0	0	21,254	60,859	3,872	11,292	50	648	380

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
JASPER	1958	180	168	50	33	80	120	50	15	90	3	100
	1964	87	159	10	5	77	154	0	0	0	2	10
	1969	100	67	100	67	0	0	0	0	0	2	100
	1974	120	40	120	40	0	0	0	0	0	0	120
	1979	135	120	35	70	0	0	100	50	25	2	135
	1984	135	172	35	105	0	0	100	67	25	2	135
	1989	35	105	35	105	0	0	0	0	0	2	35
JEFF DAVIS	1958	1,370	3,509	0	0	990	2,809	380	700	50	26	0
	1964	1,310	2,895	0	0	910	2,190	400	705	50	26	0
	1969	846	2,235	0	0	729	1,901	117	334	50	0	0
	1974	320	792	10	17	240	608	70	167	50	14	0
	1979	9,433	12,328	0	0	9,433	12,328	0	0	0	36	8,615
	1984	1,976	2,310	25	38	1,951	2,273	0	0	0	54	1,760
	1989	3,112	1,622	0	0	3,067	1,528	45	94	20	56	2,965
JEFFERSON	1958	54,100	162,300	54,100	162,300	0	0	0	0	0	0	0
	1964	60,485	151,212	60,485	151,212	0	0	0	0	0	0	0
	1969	70,970	177,425	70,970	177,425	0	0	0	0	0	0	0
	1974	69,470	173,675	69,470	173,675	0	0	0	0	0	0	0
	1979	64,172	106,953	64,172	106,953	0	0	0	0	0	0	0
	1984	30,830	107,905	30,830	107,905	0	0	0	0	0	0	222
	1989	32,900	92,776	32,900	92,776	0	0	0	0	0	0	220
JIM HOGG	1958	290	328	0	0	290	328	0	0	0	5	240
	1964	1,050	1,195	0	0	1,050	1,195	0	0	0	10	1,030
	1969	2,400	1,541	0	0	2,400	1,541	0	0	0	18	2,400
	1974	385	129	0	0	385	129	0	0	0	16	385
	1979	0	0	0	0	0	0	0	0	0	10	0
	1984	450	450	0	0	450	450	0	0	0	12	450
	1989	120	120	0	0	120	120	0	0	0	8	120
JIM WELLS	1958	2,920	1,014	760	356	1,860	433	300	225	50	28	2,920
	1964	3,141	1,696	768	378	2,073	1,093	300	225	50	38	2,171
	1969	6,385	2,807	80	40	4,805	2,142	1,500	625	50	32	4,885
	1974	6,335	2,961	140	47	6,195	2,914	0	0	0	40	4,475
	1979	6,635	2,931	0	0	6,635	2,931	0	0	0	40	4,855
	1984	5,505	2,648	0	0	5,505	2,648	0	0	0	42	3,865
	1989	1,895	895	0	0	1,895	895	0	0	0	53	1,875
JOHNSON	1958	250	103	250	103	0	0	0	0	0	0	190
	1964	130	60	130	60	0	0	0	0	0	0	130
	1969	363	217	183	67	180	150	0	0	0	3	363
	1974	0	0	0	0	0	0	0	0	0	3	0
	1979	50	13	0	0	50	13	0	0	0	3	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
JONES	1958	2,350	1,829	1,200	1,150	1,150	679	0	0	0	40	300
	1964	5,534	6,776	3,370	4,211	2,164	2,565	0	0	0	58	5,384
	1969	6,200	4,076	2,350	1,533	3,850	2,543	0	0	0	80	2,530
	1974	6,005	4,263	1,280	854	4,005	2,995	720	414	74	160	3,505
	1979	8,970	5,562	4,315	2,142	3,970	3,023	685	397	76	160	3,510
	1984	7,354	4,540	3,835	1,640	3,519	2,900	0	0	0	160	3,719
	1989	8,761	5,324	3,835	1,792	4,926	3,532	0	0	0	160	5,126
KARNES	1958	936	528	140	77	796	451	0	0	0	10	856
	1964	1,492	2,178	182	254	1,310	1,924	0	0	0	13	1,310
	1969	1,451	1,098	558	253	893	845	0	0	0	12	1,326
	1974	1,493	4,663	655	1,986	838	2,677	0	0	0	11	1,193
	1979	582	1,220	32	10	550	1,210	0	0	0	11	582
	1984	1,109	1,775	157	107	952	1,668	0	0	0	11	1,104
	1989	1,183	619	798	337	385	282	0	0	0	11	1,178

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
KAUFMAN	1958	90	20	90	20	0	0	0	0	0	0	30
	1964	510	208	510	208	0	0	0	0	0	0	490
	1969	155	94	155	94	0	0	0	0	0	0	155
	1974	100	42	100	42	0	0	0	0	0	0	100
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	897	943	886	932	11	11	0	0	0	2	892
	1989	781	781	770	770	11	11	0	0	0	2	730
KENDALL	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	315	250	198	171	117	79	0	0	0	6	307
	1969	571	514	320	267	251	247	0	0	0	11	571
	1974	734	517	437	300	297	217	0	0	0	11	734
	1979	84	100	15	23	69	78	0	0	0	12	50
	1984	114	320	15	38	99	282	0	0	0	12	65
	1989	219	509	40	100	134	297	45	112	36	14	155
KENEDY	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	400	200	400	200	0	0	0	0	0	0	400
	1974	400	192	400	192	0	0	0	0	0	0	400
	1979	400	158	400	158	0	0	0	0	0	0	400
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
KENT	1958	1,800	1,800	0	0	1,800	1,800	0	0	0	45	1,000
	1964	1,400	1,867	0	0	1,400	1,867	0	0	0	50	1,000
	1969	2,260	2,589	0	0	2,260	2,589	0	0	0	54	2,260
	1974	2,070	2,080	0	0	2,070	2,080	0	0	0	65	1,775
	1979	794	845	0	0	794	845	0	0	0	60	624
	1984	598	902	0	0	598	902	0	0	0	78	454
	1989	530	691	0	0	530	691	0	0	0	79	493
KERR	1958	705	982	408	562	297	420	0	0	0	12	629
	1964	977	1,576	614	968	363	608	0	0	0	10	827
	1969	1,495	1,650	865	981	630	669	0	0	0	14	1,266
	1974	596	406	470	311	126	95	0	0	0	14	500
	1979	921	1,294	670	541	251	753	0	0	0	14	850
	1984	826	2,255	597	1,017	94	158	135	1,080	80	14	762
	1989	563	886	474	695	89	191	0	0	0	14	459
KIMBLE	1958	1,252	850	1,252	850	0	0	0	0	0	0	920
	1964	1,935	4,992	1,791	4,532	74	210	70	250	50	3	1,459
	1969	2,766	4,494	2,195	3,221	331	615	240	658	50	13	1,831
	1974	3,617	4,619	2,885	2,961	492	1,032	240	626	50	20	2,625
	1979	1,012	513	880	430	132	83	0	0	0	20	648
	1984	1,914	1,328	1,523	1,051	391	277	0	0	0	30	1,292
	1989	1,614	1,127	1,287	893	327	234	0	0	0	30	1,107
KING	1958	620	1,033	0	0	620	1,033	0	0	0	9	0
	1964	1,030	1,583	200	200	830	1,383	0	0	0	15	180
	1969	670	337	100	17	570	320	0	0	0	14	350
	1974	1,090	556	100	33	990	523	0	0	0	15	630
	1979	457	280	150	100	307	180	0	0	0	15	207
	1984	600	436	0	0	600	436	0	0	0	6	600
	1989	30	30	0	0	30	30	0	0	0	6	30
KINNEY	1958	2,335	3,173	600	692	1,535	2,301	200	180	30	14	0
	1964	5,900	11,147	600	1,000	5,300	10,147	0	0	0	36	0
	1969	8,986	16,658	2,550	4,325	6,436	12,333	0	0	0	61	0
	1974	8,550	14,317	2,500	3,497	6,050	10,820	0	0	0	50	0
	1979	7,566	12,862	2,500	3,500	5,000	9,203	66	159	20	50	413
	1984	4,706	10,335	671	1,212	4,035	9,123	0	0	0	28	1,555
	1989	5,099	12,349	738	1,851	4,361	10,498	0	0	0	28	1,555

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
KLEBERG	1958	1,088	903	370	185	718	718	0	0	0	0	1,088
	1964	933	893	80	40	853	853	0	0	0	1	161
	1969	1,505	640	730	311	775	329	0	0	0	3	1,105
	1974	1,080	505	60	40	940	412	80	53	60	5	1,080
	1979	1,080	437	60	40	940	343	80	53	60	5	1,080
	1984	600	373	60	40	460	280	80	53	60	5	300
	1989	906	407	174	29	732	378	0	0	0	6	626
KNOX	1958	21,000	19,276	0	0	21,000	19,276	0	0	0	400	2,250
	1964	33,891	35,277	521	324	33,320	34,894	50	59	50	687	6,165
	1969	69,273	50,168	441	294	68,832	49,874	0	0	0	1,068	16,000
	1974	67,315	44,998	440	293	66,875	44,705	0	0	0	1,085	18,000
	1979	68,000	51,283	0	0	68,000	51,283	0	0	0	1,200	19,630
	1984	42,225	35,142	0	0	42,225	35,142	0	0	0	1,200	24,000
	1989	42,305	35,361	0	0	42,305	35,361	0	0	0	1,200	25,000
LAMAR	1958	160	60	160	60	0	0	0	0	0	0	160
	1964	300	100	270	93	30	7	0	0	0	1	290
	1969	790	209	770	202	20	7	0	0	0	1	790
	1974	205	68	205	68	0	0	0	0	0	10	205
	1979	205	68	205	68	0	0	0	0	0	10	205
	1984	1,760	4,667	1,760	4,667	0	0	0	0	0	10	1,760
	1989	1,860	4,700	1,860	4,700	0	0	0	0	0	10	1,860
LAMB	1958	292,460	395,982	0	0	292,460	395,982	0	0	0	5,000	5,060
	1964	331,180	683,252	0	0	331,180	683,252	0	0	0	5,350	19,000
	1969	317,847	388,875	0	0	317,847	388,875	0	0	0	6,000	68,680
	1974	326,070	413,872	0	0	326,070	413,872	0	0	0	6,600	83,200
	1979	296,600	320,033	0	0	296,600	320,033	0	0	0	6,700	125,000
	1984	279,400	533,192	0	0	279,400	533,192	0	0	0	6,775	134,000
	1989	204,200	212,015	0	0	204,200	212,015	0	0	0	6,775	124,000
LAMPASAS	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	318	355	286	312	32	43	0	0	0	3	307
	1969	581	855	542	792	39	63	0	0	0	5	581
	1974	625	409	518	331	107	78	0	0	0	8	625
	1979	120	60	120	60	0	0	0	0	0	7	120
	1984	201	218	201	218	0	0	0	0	0	4	186
	1989	252	156	0	0	5	6	247	150	50	7	232
LA SALLE	1958	6,570	6,981	1,470	1,442	5,100	5,539	0	0	0	53	4,000
	1964	10,175	15,273	1,221	1,210	8,724	13,820	230	243	50	57	7,949
	1969	11,716	13,879	1,313	1,807	9,943	11,744	460	328	10	53	11,407
	1974	12,296	12,885	1,000	703	9,706	10,900	1,590	1,282	22	57	12,130
	1979	13,055	10,707	1,820	1,378	9,695	8,333	1,540	996	27	40	13,055
	1984	6,510	10,893	700	1,275	4,970	8,362	840	1,257	30	40	6,510
	1989	6,270	6,401	520	347	5,550	5,798	200	256	1	30	6,270
LAVACA	1958	5,667	13,579	0	0	5,667	13,579	0	0	0	60	400
	1964	6,480	15,691	0	0	6,480	15,691	0	0	0	62	450
	1969	8,242	23,695	40	27	8,067	23,512	135	156	32	85	915
	1974	8,222	24,325	40	50	7,941	23,965	241	310	49	90	879
	1979	9,054	26,779	40	33	8,773	26,560	241	187	49	90	1,054
	1984	6,304	22,320	0	0	6,304	22,320	0	0	0	70	270
	1989	4,498	15,181	0	0	4,498	15,181	0	0	0	98	186
LEE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	250	188	0	0	250	188	0	0	0	3	250
	1974	880	683	425	349	455	334	0	0	0	8	880
	1979	215	91	35	18	180	73	0	0	0	9	215
	1984	178	140	106	88	40	27	32	25	70	6	158
	1989	435	298	92	53	125	124	218	121	60	6	385

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
LEON	1958	250	300	50	33	200	267	0	0	0	3	30
	1964	60	30	0	0	60	30	0	0	0	4	0
	1969	0	0	0	0	0	0	0	0	0	2	0
	1974	45	34	0	0	45	34	0	0	0	4	45
	1979	0	0	0	0	0	0	0	0	0	4	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
LIBERTY	1958	34,205	102,615	20,556	61,668	13,649	40,947	0	0	0	32	0
	1964	36,698	88,403	23,016	57,540	13,682	30,863	0	0	0	66	0
	1969	43,556	101,828	25,808	64,521	14,125	28,250	3,623	9,057	48	90	0
	1974	44,372	103,694	26,274	65,687	14,475	28,950	3,623	9,057	48	92	0
	1979	32,400	78,714	22,061	55,153	4,572	9,144	5,767	14,418	50	84	0
	1984	25,286	75,714	15,527	51,757	6,812	16,590	2,947	7,368	55	80	220
	1989	23,490	55,461	17,773	44,432	3,535	6,665	2,182	4,364	50	50	260
LIMESTONE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	95	95	65	65	30	30	0	0	0	3	95
	1974	40	40	0	0	40	40	0	0	0	4	40
	1979	0	0	0	0	0	0	0	0	0	4	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
LIPSCOMB	1958	1,685	1,480	20	15	1,665	1,465	0	0	0	14	680
	1964	2,660	2,420	55	63	2,605	2,357	0	0	0	26	1,695
	1969	8,246	5,158	0	0	7,946	5,008	300	150	30	53	5,706
	1974	15,766	21,099	0	0	15,466	20,974	300	125	20	154	13,096
	1979	33,180	38,417	0	0	32,880	38,267	300	150	20	186	28,790
	1984	20,945	17,823	0	0	20,645	17,673	300	150	20	221	18,470
	1989	17,680	18,361	0	0	17,680	18,361	0	0	0	186	14,390
LIVE OAK	1958	1,280	921	100	139	980	603	200	179	50	14	430
	1964	2,538	1,831	341	195	1,713	1,233	484	403	46	38	1,413
	1969	4,923	2,109	690	430	4,233	1,679	0	0	0	65	4,050
	1974	3,713	2,157	600	433	3,113	1,724	0	0	0	65	2,330
	1979	1,010	673	120	80	890	593	0	0	0	8	420
	1984	1,230	1,533	260	433	970	1,100	0	0	0	8	1,230
	1989	1,911	1,859	470	1,018	1,441	841	0	0	0	21	1,897
LLANO	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	340	518	190	328	150	190	0	0	0	6	340
	1969	1,128	2,697	280	634	848	2,063	0	0	0	45	1,128
	1974	1,125	679	540	270	585	409	0	0	0	51	1,125
	1979	982	1,359	231	289	751	1,070	0	0	0	44	957
	1984	711	1,048	50	42	661	1,007	0	0	0	50	665
	1989	741	1,173	40	80	701	1,093	0	0	0	55	655
LOVING	1958	200	700	200	700	0	0	0	0	0	0	0
	1964	100	273	100	273	0	0	0	0	0	0	0
	1969	17	68	17	68	0	0	0	0	0	1	0
	1974	17	51	17	51	0	0	0	0	0	1	0
	1979	30	40	30	40	0	0	0	0	0	1	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	20	42	20	42	0	0	0	0	0	1	0
LUBBOCK	1958	350,000	291,264	0	0	350,000	291,264	0	0	0	5,055	200
	1964	350,014	213,298	0	0	350,014	213,298	0	0	0	5,410	2,000
	1969	325,000	189,850	0	0	325,000	189,850	0	0	0	6,200	1,000
	1974	300,000	278,409	0	0	295,000	270,284	5,000	8,125	80	6,720	12,600
	1979	95,395	25,980	0	0	90,045	8,313	5,350	17,667	78	6,454	15,530
	1984	168,360	123,257	0	0	163,010	114,907	5,350	8,350	65	9,200	22,130
	1989	170,670	202,005	160	133	164,730	185,005	5,780	16,867	80	8,900	16,070

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
LYNN	1958	65,000	79,501	0	0	65,000	79,501	0	0	0	1,500	1,500
	1964	79,200	79,067	0	0	79,200	79,067	0	0	0	2,175	3,400
	1969	92,070	23,477	430	183	91,640	23,294	0	0	0	2,466	2,650
	1974	72,485	72,382	130	108	72,355	72,274	0	0	0	2,532	4,120
	1979	64,559	38,290	300	175	63,959	37,815	300	300	75	2,730	18,060
	1984	84,980	60,393	0	0	80,980	54,793	4,000	5,600	75	2,500	17,820
	1989	50,332	29,042	4,000	5,600	46,332	23,442	0	0	0	2,500	12,695
MCCULLOCH	1958	1,172	1,098	348	292	824	806	0	0	0	20	1,012
	1964	1,154	1,493	474	433	680	1,060	0	0	0	21	1,093
	1969	1,973	2,290	583	645	1,390	1,645	0	0	0	44	1,877
	1974	2,284	2,180	481	501	1,803	1,679	0	0	0	38	2,228
	1979	2,859	2,651	476	568	2,383	2,083	0	0	0	40	2,859
	1984	2,973	3,334	100	50	2,873	3,284	0	0	0	48	2,973
	1989	2,562	2,526	0	0	2,562	2,526	0	0	0	45	2,562
MCLENNAN	1958	4,015	1,942	0	0	0	0	4,015	1,942	62	71	1,745
	1964	7,233	3,213	0	0	0	0	7,233	3,213	97	75	5,805
	1969	6,642	5,181	5,680	4,421	962	760	0	0	0	80	3,611
	1974	6,509	4,907	5,657	4,255	852	652	0	0	0	80	3,389
	1979	0	0	0	0	0	0	0	0	0	60	0
	1984	1,255	2,300	430	738	825	1,562	0	0	0	60	470
	1989	1,050	2,512	775	1,972	255	520	20	20	20	30	935
MCMULLEN	1958	127	97	27	14	100	83	0	0	0	5	127
	1964	282	145	27	9	255	136	0	0	0	8	252
	1969	0	0	0	0	0	0	0	0	0	8	0
	1974	0	0	0	0	0	0	0	0	0	12	0
	1979	0	0	0	0	0	0	0	0	0	12	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
MADISON	1958	540	734	500	667	40	67	0	0	0	1	0
	1964	790	693	560	540	80	53	150	100	50	4	250
	1969	994	687	664	444	180	130	150	113	50	4	350
	1974	40	40	0	0	40	40	0	0	0	4	40
	1979	108	59	108	59	0	0	0	0	0	4	0
	1984	211	93	211	93	0	0	0	0	0	0	50
	1989	30	30	30	30	0	0	0	0	0	2	30
MARION	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	160	80	160	80	0	0	0	0	0	0	160
	1969	120	40	120	40	0	0	0	0	0	0	120
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
MARTIN	1958	26,200	40,675	0	0	26,200	40,675	0	0	0	289	23,200
	1964	22,000	45,665	0	0	22,000	45,665	0	0	0	300	21,700
	1969	28,952	29,187	0	0	28,952	29,187	0	0	0	350	28,952
	1974	26,715	29,825	0	0	26,715	29,825	0	0	0	325	26,715
	1979	25,000	15,625	0	0	25,000	15,625	0	0	0	325	25,000
	1984	15,024	16,537	0	0	15,024	16,537	0	0	0	356	14,991
	1989	10,816	12,256	0	0	10,816	12,256	0	0	0	356	10,783
MASON	1958	4,345	4,737	0	0	4,345	4,737	0	0	0	67	4,345
	1964	5,254	8,583	132	203	5,122	8,380	0	0	0	92	5,144
	1969	8,437	16,804	242	384	8,195	16,420	0	0	0	300	8,410
	1974	8,414	6,464	242	160	8,172	6,304	0	0	0	350	8,374
	1979	6,957	14,867	125	178	6,832	14,689	0	0	0	289	6,951
	1984	5,889	13,640	125	264	5,764	13,376	0	0	0	280	5,841
	1989	5,425	17,825	55	37	5,370	17,788	0	0	0	280	5,417

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft		Number	Acres
MATAGORDA	1958	35,200	140,460	27,100	110,450	3,700	12,650	4,400	17,360	60	41	0
	1964	45,952	213,577	37,386	180,349	5,296	19,058	3,270	14,170	21	40	230
	1969	55,400	216,050	46,001	184,004	5,899	18,921	3,500	13,125	30	109	690
	1974	55,686	208,659	22,401	89,604	7,050	20,674	26,235	98,381	84	114	1,600
	1979	56,759	206,231	22,743	88,302	8,184	21,059	25,832	96,870	84	120	3,924
	1984	46,886	158,139	30,128	115,952	12,571	27,751	4,187	14,436	80	126	8,875
	1989	32,536	119,525	26,687	106,748	4,557	7,932	1,292	4,845	80	126	2,290
MAVERICK	1958	29,431	35,001	28,256	33,667	1,175	1,334	0	0	0	6	0
	1964	38,449	110,696	36,820	108,282	1,629	2,414	0	0	0	14	0
	1969	46,629	117,706	45,000	113,520	1,629	4,186	0	0	0	14	0
	1974	42,729	100,930	41,100	97,600	1,629	3,330	0	0	0	14	400
	1979	42,030	63,337	40,400	61,097	1,630	2,240	0	0	0	14	640
	1984	40,194	85,569	39,300	84,162	894	1,407	0	0	0	14	640
	1989	50,800	103,616	50,500	103,016	300	600	0	0	0	15	0
MEDINA	1958	13,400	21,893	5,400	10,661	8,000	11,232	0	0	0	40	0
	1964	19,564	38,169	10,500	23,708	9,064	14,461	0	0	0	54	800
	1969	26,210	62,635	13,100	29,967	13,110	32,668	0	0	0	117	2,210
	1974	34,450	69,667	13,250	28,634	21,200	41,033	0	0	0	154	3,505
	1979	38,050	65,370	13,250	21,733	24,800	43,637	0	0	0	175	5,985
	1984	46,868	126,194	13,840	37,762	30,804	81,390	2,224	7,043	50	185	10,648
	1989	53,825	160,439	18,090	43,828	33,511	109,568	2,224	7,043	50	190	10,864
MENARD	1958	3,500	5,210	3,300	4,922	200	288	0	0	0	6	30
	1964	2,154	3,051	1,873	2,661	281	390	0	0	0	9	20
	1969	2,930	3,790	2,900	3,730	30	60	0	0	0	9	30
	1974	3,005	3,331	2,900	3,016	105	315	0	0	0	12	105
	1979	3,254	2,431	3,154	2,348	100	83	0	0	0	14	120
	1984	3,398	2,588	3,202	2,425	196	163	0	0	0	21	270
	1989	3,478	3,377	3,202	3,084	276	293	0	0	0	24	464
MIDLAND	1958	12,175	24,866	0	0	12,175	24,866	0	0	0	260	12,175
	1964	11,826	14,847	0	0	11,826	14,847	0	0	0	389	10,297
	1969	28,505	33,429	0	0	28,505	33,429	0	0	0	250	26,200
	1974	29,385	37,457	0	0	28,276	35,753	1,109	1,704	70	300	21,545
	1979	17,745	24,571	0	0	16,545	22,071	1,200	2,500	75	350	14,100
	1984	19,794	23,852	0	0	15,727	18,997	4,067	4,855	74	390	13,172
	1989	17,626	25,588	0	0	13,559	18,121	4,067	7,467	74	425	12,148
MILAM	1958	2,365	1,836	1,930	1,479	35	23	400	334	50	9	295
	1964	4,504	3,434	3,854	2,844	250	190	400	400	60	9	2,114
	1969	1,945	787	1,475	594	220	110	250	83	80	10	1,005
	1974	2,025	1,316	1,535	1,001	240	123	250	192	80	12	1,055
	1979	165	117	165	117	0	0	0	0	0	12	80
	1984	1,037	1,532	1,010	1,487	27	45	0	0	0	12	140
	1989	587	1,560	505	1,458	2	2	80	100	20	12	535
MILLS	1958	1,880	3,066	1,880	3,066	0	0	0	0	0	0	50
	1964	2,387	2,455	2,387	2,455	0	0	0	0	0	0	476
	1969	2,083	4,092	2,083	4,092	0	0	0	0	0	0	679
	1974	3,120	6,559	3,120	6,559	0	0	0	0	0	0	1,738
	1979	1,945	1,637	1,710	1,480	235	157	0	0	0	4	475
	1984	2,658	2,468	2,510	2,408	132	44	16	16	80	4	1,043
	1989	2,651	2,410	2,520	2,346	19	8	112	56	81	4	1,081
MITCHELL	1958	15,000	23,741	0	0	15,000	23,741	0	0	0	140	15,000
	1964	12,000	23,291	0	0	12,000	23,291	0	0	0	110	12,000
	1969	5,243	2,682	120	60	4,953	2,556	170	66	32	310	5,233
	1974	6,413	4,380	220	110	6,023	4,204	170	66	32	335	6,403
	1979	2,940	2,525	150	150	2,790	2,375	0	0	0	300	2,940
	1984	2,798	2,739	0	0	2,798	2,739	0	0	0	275	2,783
	1989	1,708	1,477	0	0	1,708	1,477	0	0	0	275	1,688

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft	Acres	Acre-Ft		Number	Acres
MONTAGUE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	211	144	104	43	107	101	0	0	0	0	0
	1969	320	137	240	89	80	48	0	0	0	6	211
	1974	512	359	202	94	105	77	205	188	38	8	320
	1979	435	179	5	2	90	15	340	163	56	10	512
	1984	506	191	150	108	307	44	49	39	42	12	345
	1989	469	225	150	142	270	47	49	36	41	21	277
MONTGOMERY	1958	120	80	60	40	60	40	0	0	0	21	269
	1964	260	81	100	11	160	70	0	0	0	2	120
	1969	135	135	35	35	100	100	0	0	0	5	240
	1974	0	0	0	0	0	0	0	0	0	4	135
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	13	13	0	0	13	13	0	0	0	0	0
	1989	19	19	0	0	19	19	0	0	0	3	0
MOORE	1958	81,280	83,828	0	0	81,280	83,828	0	0	0	4	0
	1964	113,180	160,534	0	0	113,180	160,534	0	0	0	256	0
	1969	212,780	218,828	0	0	212,780	218,828	0	0	0	564	190
	1974	230,136	327,908	0	0	230,136	327,908	0	0	0	890	790
	1979	233,725	304,033	0	0	233,725	304,033	0	0	0	1,007	840
	1984	210,100	287,913	0	0	210,100	287,913	0	0	0	1,190	5,830
	1989	161,100	355,787	0	0	161,100	355,787	0	0	0	1,211	24,000
MORRIS	1958	170	64	60	19	0	0	110	45	50	1,270	36,066
	1964	160	79	10	4	0	0	150	75	60	2	140
	1969	470	273	450	265	0	0	20	8	20	2	160
	1974	470	273	450	265	0	0	20	8	95	2	470
	1979	275	85	275	85	0	0	0	0	0	2	450
	1984	475	506	20	43	0	0	455	463	45	0	275
	1989	220	184	220	184	0	0	0	0	0	4	475
MOTLEY	1958	2,932	2,401	0	0	2,932	2,401	0	0	0	0	190
	1964	3,915	4,038	0	0	3,915	4,038	0	0	0	75	2,453
	1969	7,164	7,131	0	0	7,164	7,131	0	0	0	82	3,715
	1974	7,384	6,559	80	60	7,304	6,499	0	0	0	100	7,164
	1979	7,544	2,975	40	37	7,504	2,938	0	0	0	110	7,384
	1984	9,460	4,309	360	200	9,100	4,109	0	0	0	118	7,164
	1989	7,540	3,934	225	92	7,315	3,842	0	0	0	125	9,080
NACOGDOCHES	1958	40	7	40	7	0	0	0	0	0	131	7,260
	1964	9	4	5	2	4	2	0	0	0	3	40
	1969	0	0	0	0	0	0	0	0	0	1	9
	1974	25	21	25	21	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	25
	1984	53	23	9	5	44	19	0	0	0	0	0
	1989	138	276	69	138	69	138	0	0	0	2	44
NAVARRO	1958	1,130	565	880	440	250	125	0	0	0	3	64
	1964	240	120	40	20	200	100	0	0	0	6	840
	1969	0	0	0	0	0	0	0	0	0	9	0
	1974	0	0	0	0	0	0	0	0	0	8	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
NEWTON	1958	640	861	70	23	550	825	20	13	50	5	90
	1964	595	1,177	0	0	585	1,170	10	7	50	5	10
	1969	536	1,032	0	0	506	1,012	30	20	25	4	30
	1974	525	767	0	0	500	750	25	17	25	1	25
	1979	1,130	1,068	0	0	0	0	1,130	1,068	25	2	30
	1984	1,130	1,175	0	0	0	0	1,130	1,175	25	2	30
	1989	1,100	2,200	0	0	0	0	1,100	2,200	25	2	0



Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
NOLAN	1958	2,890	2,848	150	150	2,740	2,698	0	0	0	105	1,250
	1964	3,779	3,248	383	364	3,396	2,884	0	0	0	136	1,110
	1969	3,450	3,511	411	414	2,939	2,947	100	150	10	160	2,511
	1974	3,180	2,922	270	216	2,910	2,706	0	0	0	160	2,030
	1979	2,002	2,399	365	623	1,602	1,729	35	47	30	170	1,765
	1984	2,210	2,262	140	140	1,730	1,629	340	493	73	172	1,911
	1989	2,681	2,490	160	187	2,111	1,918	410	385	66	173	2,419
NUECES	1958	5,240	3,419	4,640	3,192	600	227	0	0	0	2	935
	1964	10,304	6,445	9,103	5,703	1,201	742	0	0	0	12	1,715
	1969	6,301	3,432	5,200	2,630	1,101	802	0	0	0	11	0
	1974	250	83	240	80	10	3	0	0	0	10	10
	1979	0	0	0	0	0	0	0	0	0	17	0
	1984	3,400	2,500	1,300	542	2,100	1,958	0	0	0	14	0
	1989	3,040	1,356	1,960	816	1,080	540	0	0	0	6	0
OCHILTREE	1958	16,820	19,078	0	0	16,820	19,078	0	0	0	59	0
	1964	40,380	47,607	0	0	40,380	47,607	0	0	0	225	50
	1969	107,060	115,192	0	0	107,060	115,192	0	0	0	432	1,560
	1974	140,420	207,640	0	0	140,000	206,867	420	773	20	566	4,260
	1979	120,000	108,717	0	0	120,000	108,717	0	0	0	556	4,260
	1984	101,000	128,609	0	0	101,000	128,609	0	0	0	560	4,342
	1989	70,737	80,513	0	0	70,737	80,513	0	0	0	965	6,923
OLDHAM	1958	19,289	24,110	0	0	19,289	24,110	0	0	0	65	0
	1964	25,440	38,571	0	0	25,440	38,571	0	0	0	130	150
	1969	28,710	30,084	0	0	28,710	30,084	0	0	0	164	460
	1974	32,709	31,688	0	0	32,709	31,688	0	0	0	242	1,330
	1979	16,830	16,722	0	0	16,830	16,722	0	0	0	186	1,030
	1984	6,136	5,661	0	0	6,136	5,661	0	0	0	186	848
	1989	5,296	3,871	0	0	5,296	3,871	0	0	0	75	638
ORANGE	1958	4,321	7,202	4,050	6,750	271	452	0	0	0	2	0
	1964	4,846	14,403	4,575	13,725	271	678	0	0	0	0	0
	1969	4,232	10,300	3,673	9,182	559	1,118	0	0	0	4	0
	1974	4,232	10,300	3,673	9,182	559	1,118	0	0	0	4	0
	1979	1,739	3,188	1,739	3,188	0	0	0	0	0	1	0
	1984	1,321	4,403	1,321	4,403	0	0	0	0	0	1	0
	1989	1,400	3,967	1,400	3,967	0	0	0	0	0	0	0
PALO PINTO	1958	1,183	1,071	1,183	1,071	0	0	0	0	0	0	1,183
	1964	373	208	370	206	3	2	0	0	0	1	373
	1969	2,077	1,327	1,938	1,258	139	69	0	0	0	2	2,077
	1974	1,680	840	1,544	772	136	68	0	0	0	2	1,680
	1979	308	55	308	55	0	0	0	0	0	2	308
	1984	126	98	114	95	12	3	0	0	0	1	114
	1989	351	580	319	575	32	5	0	0	0	2	259
PANOLA	1958	45	8	45	8	0	0	0	0	0	2	40
	1964	96	42	66	27	30	15	0	0	0	2	95
	1969	56	21	26	6	30	15	0	0	0	3	56
	1974	10	3	0	0	10	3	0	0	0	2	10
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	32	64	32	64	0	0	0	0	0	0	32
	1989	0	0	0	0	0	0	0	0	0	0	0
PARKER	1958	1,542	529	1,542	529	0	0	0	0	0	0	1,242
	1964	1,152	1,270	1,152	1,270	0	0	0	0	0	0	782
	1969	1,139	1,116	1,139	1,116	0	0	0	0	0	0	769
	1974	800	504	745	472	55	32	0	0	0	3	800
	1979	647	363	647	363	0	0	0	0	0	3	647
	1984	621	328	418	170	103	58	100	100	15	12	350
	1989	116	21	0	0	116	21	0	0	0	21	0

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
PARMER	1958	404,222	773,936	0	0	404,222	773,936	0	0	0	2,410	250
	1964	377,000	574,020	0	0	377,000	574,020	0	0	0	2,650	1,480
	1969	318,647	493,295	0	0	318,357	492,817	290	478	30	3,402	6,100
	1974	382,210	605,697	0	0	381,920	605,214	290	483	30	3,772	22,150
	1979	417,986	592,805	0	0	417,696	592,289	290	517	30	3,973	57,630
	1984	291,970	278,193	0	0	291,710	277,873	260	320	50	3,920	67,460
	1989	291,970	280,293	0	0	291,710	279,973	260	320	50	5,400	100,000
PECOS	1958	117,413	345,266	0	0	104,113	313,900	13,300	31,366	55	636	0
	1964	119,313	367,455	0	0	111,113	339,397	8,200	28,058	18	1,166	0
	1969	55,043	201,748	0	0	50,591	187,157	4,452	14,591	63	912	0
	1974	51,795	183,669	0	0	48,462	171,240	3,333	12,429	50	911	0
	1979	27,291	94,462	0	0	26,323	90,147	968	4,316	75	915	3,097
	1984	31,232	90,022	0	0	31,232	90,022	0	0	0	850	3,794
	1989	25,296	73,462	1,697	7,530	23,599	65,932	0	0	0	835	3,305
POLK	1958	0	0	0	0	0	0	0	0	0	6	0
	1964	50	25	50	25	0	0	0	0	0	2	0
	1969	0	0	0	0	0	0	0	0	0	6	0
	1974	0	0	0	0	0	0	0	0	0	6	0
	1979	85	82	65	22	20	60	0	0	0	4	85
	1984	76	228	0	0	76	228	0	0	0	2	40
	1989	88	240	10	11	78	229	0	0	0	2	40
POTTER	1958	11,000	10,000	0	0	11,000	10,000	0	0	0	55	0
	1964	14,300	22,548	0	0	14,300	22,548	0	0	0	40	0
	1969	17,757	20,844	0	0	17,757	20,844	0	0	0	75	0
	1974	18,233	24,327	0	0	18,233	24,327	0	0	0	100	0
	1979	15,240	20,715	0	0	12,840	16,515	2,400	4,200	70	95	2,160
	1984	8,705	13,253	0	0	6,185	8,857	2,520	4,396	70	85	2,480
	1989	6,683	8,201	0	0	3,773	3,285	2,910	4,916	30	65	2,350
PRESIDIO	1958	5,188	18,926	0	0	228	517	4,960	18,409	80	60	0
	1964	5,445	17,307	0	0	480	1,192	4,965	16,115	80	60	40
	1969	5,861	23,709	78	195	576	2,345	5,207	21,169	85	60	0
	1974	6,374	23,471	0	0	1,077	4,018	5,297	19,453	80	65	650
	1979	8,649	31,917	4,838	23,600	3,811	8,317	0	0	0	78	2,940
	1984	6,769	23,944	4,998	20,596	1,771	3,349	0	0	0	83	1,400
	1989	12,316	28,711	4,989	23,523	7,127	4,271	200	917	95	80	6,931
RAINS	1958	60	30	60	30	0	0	0	0	0	0	60
	1964	15	5	5	2	10	3	0	0	0	1	15
	1969	140	30	140	30	0	0	0	0	0	2	140
	1974	0	0	0	0	0	0	0	0	0	2	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	20	47	20	47	0	0	0	0	0	0	0
	1989	20	25	20	25	0	0	0	0	0	0	0
RANDALL	1958	95,000	86,986	0	0	95,000	86,986	0	0	0	700	160
	1964	91,000	147,717	0	0	91,000	147,717	0	0	0	821	400
	1969	84,659	87,545	0	0	83,659	86,512	1,000	1,033	80	1,150	675
	1974	85,219	96,883	0	0	84,219	95,850	1,000	1,033	80	1,200	1,285
	1979	74,446	79,955	350	325	72,496	78,020	1,600	1,610	65	1,190	3,580
	1984	58,255	53,503	350	350	55,625	50,423	2,280	2,730	60	410	3,860
	1989	39,667	27,293	350	350	37,037	24,796	2,280	2,147	60	652	3,512
REAGAN	1958	2,620	4,270	0	0	2,620	4,270	0	0	0	40	150
	1964	10,247	15,334	0	0	10,247	15,334	0	0	0	158	360
	1969	16,451	15,434	0	0	16,451	15,434	0	0	0	250	1,510
	1974	11,085	14,531	0	0	11,085	14,531	0	0	0	346	60
	1979	23,065	26,937	0	0	23,065	26,937	0	0	0	785	27
	1984	25,017	33,721	0	0	25,017	33,721	0	0	0	825	501
	1989	24,894	33,699	0	0	24,894	33,699	0	0	0	875	763

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
REAL	1958	900	1,090	900	1,090	0	0	0	0	0	0	200
	1964	1,410	1,066	1,410	1,066	0	0	0	0	0	0	700
	1969	1,035	725	1,035	725	0	0	0	0	0	0	805
	1974	885	941	885	941	0	0	0	0	0	0	700
	1979	455	232	455	232	0	0	0	0	0	0	326
	1984	243	348	243	348	0	0	0	0	0	0	201
	1989	447	1,184	257	709	190	475	0	0	0	4	367
RED RIVER	1958	450	184	0	0	0	0	450	184	37	6	87
	1964	733	300	135	62	40	13	558	225	37	7	100
	1969	651	326	265	142	186	84	200	100	20	16	445
	1974	80	40	0	0	80	40	0	0	0	16	80
	1979	1,080	367	1,000	333	80	33	0	0	0	4	1,080
	1984	375	613	375	613	0	0	0	0	0	7	205
	1989	80	80	80	80	0	0	0	0	0	7	0
REEVES	1958	96,000	368,568	11,000	33,400	85,000	335,168	0	0	0	850	0
	1964	118,200	414,217	7,200	12,200	111,000	402,017	0	0	0	975	0
	1969	82,035	334,392	100	333	74,558	310,192	7,377	23,867	28	1,010	640
	1974	78,170	319,785	80	317	68,993	286,856	9,097	32,612	50	995	1,100
	1979	36,502	127,469	245	613	28,614	105,103	7,643	21,754	80	975	11,370
	1984	27,061	89,688	0	0	20,725	63,226	6,336	26,463	50	935	7,774
	1989	19,509	74,076	733	3,527	15,015	61,345	3,761	9,204	25	850	2,020
REFUGIO	1958	650	271	0	0	650	271	0	0	0	1	400
	1964	890	498	25	17	650	338	215	143	20	3	215
	1969	0	0	0	0	0	0	0	0	0	3	0
	1974	0	0	0	0	0	0	0	0	0	2	0
	1979	0	0	0	0	0	0	0	0	0	2	0
	1984	50	17	0	0	50	17	0	0	0	2	0
	1989	0	0	0	0	0	0	0	0	0	2	0
ROBERTS	1958	3,320	4,602	0	0	3,320	4,602	0	0	0	15	60
	1964	6,330	8,348	0	0	6,330	8,348	0	0	0	25	350
	1969	9,160	8,810	0	0	9,160	8,810	0	0	0	55	1,096
	1974	9,551	13,518	0	0	9,551	13,518	0	0	0	56	1,526
	1979	11,634	14,184	0	0	11,634	14,184	0	0	0	58	3,230
	1984	8,436	5,204	0	0	8,436	5,204	0	0	0	36	2,852
	1989	8,316	4,243	0	0	8,316	4,243	0	0	0	30	2,732
ROBERTSON	1958	34,910	26,897	5,695	4,918	28,515	21,429	700	550	50	421	400
	1964	41,315	39,008	5,770	6,461	34,385	31,391	1,160	1,156	51	428	870
	1969	23,415	19,741	4,650	3,342	17,715	15,474	1,050	925	50	440	630
	1974	22,295	20,064	4,150	3,592	17,095	15,547	1,050	925	50	450	675
	1979	19,740	14,591	2,200	1,646	17,540	12,945	0	0	0	451	355
	1984	18,938	18,534	2,538	2,484	16,400	16,050	0	0	0	400	0
	1989	20,882	15,799	2,533	1,900	18,349	13,899	0	0	0	406	0
ROCKWALL	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	15	22	15	22	0	0	0	0	0	0	15
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
RUNNELS	1958	2,713	3,768	2,593	3,578	100	150	20	40	50	3	0
	1964	3,524	6,042	3,108	5,412	326	495	90	135	50	14	216
	1969	3,502	5,743	2,851	4,895	561	778	90	70	50	25	428
	1974	5,592	7,836	4,510	6,614	989	1,122	93	100	37	54	2,175
	1979	5,498	6,466	4,030	4,837	1,138	1,264	330	365	60	83	2,508
	1984	3,049	3,887	1,942	2,578	749	871	358	438	60	95	1,225
	1989	3,616	4,529	2,177	2,747	1,201	1,464	238	318	51	88	1,465

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
RUSK	1958	295	130	275	120	20	10	0	0	0	1	295
	1964	305	121	235	89	20	7	50	25	24	2	180
	1969	150	41	150	41	0	0	0	0	0	1	150
	1974	2	1	2	1	0	0	0	0	0	1	2
	1979	10	3	5	2	5	1	0	0	0	1	7
	1984	47	87	27	54	20	33	0	0	0	1	27
	1989	52	89	27	54	5	5	20	30	10	1	27
SABINE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
SAN AUGUSTINE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
SAN JACINTO	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	2	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	1	1	0	0	1	1	0	0	0	1	0
SAN PATRICIO	1958	17,000	20,785	0	0	17,000	20,785	0	0	0	79	0
	1964	19,960	8,840	400	400	19,560	8,440	0	0	0	87	200
	1969	13,839	6,253	205	156	13,634	6,097	0	0	0	96	0
	1974	10,730	5,986	90	60	10,640	5,926	0	0	0	98	0
	1979	2,123	1,375	94	94	2,029	1,281	0	0	0	100	94
	1984	6,428	3,555	40	13	6,388	3,542	0	0	0	100	54
	1989	3,277	1,233	0	0	3,277	1,233	0	0	0	73	50
SAN SABA	1958	2,970	4,716	2,610	4,213	360	503	0	0	0	6	35
	1964	4,564	7,642	3,759	6,355	805	1,287	0	0	0	16	935
	1969	5,830	5,564	5,295	4,979	535	585	0	0	0	16	1,075
	1974	8,063	11,018	6,748	9,385	1,315	1,633	0	0	0	19	1,230
	1979	5,763	5,111	4,603	4,455	1,160	657	0	0	0	24	895
	1984	7,168	6,351	5,838	5,425	1,330	926	0	0	0	30	2,336
	1989	8,513	6,361	7,227	5,471	1,286	890	0	0	0	30	2,216
SCHLEICHER	1958	2,577	4,635	166	135	2,411	4,500	0	0	0	26	0
	1964	4,118	7,766	82	143	4,036	7,623	0	0	0	53	795
	1969	4,502	4,951	122	164	4,380	4,787	0	0	0	79	998
	1974	2,589	2,006	82	55	2,507	1,951	0	0	0	77	615
	1979	1,183	793	0	0	1,183	793	0	0	0	42	491
	1984	1,017	1,438	0	0	1,017	1,438	0	0	0	45	304
	1989	1,024	1,550	0	0	1,024	1,550	0	0	0	45	447
SCURRY	1958	2,656	1,331	0	0	2,656	1,331	0	0	0	26	2,656
	1964	3,150	1,728	0	0	3,150	1,728	0	0	0	70	3,150
	1969	5,694	3,323	0	0	5,494	3,223	200	100	80	145	4,364
	1974	5,610	5,943	0	0	5,610	5,943	0	0	0	150	4,450
	1979	4,565	5,532	350	917	4,215	4,615	0	0	0	155	3,755
	1984	3,952	3,952	330	633	3,622	3,319	0	0	0	150	3,552
	1989	785	809	150	188	635	621	0	0	0	60	735

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
SHACKELFORD	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	144	118	144	118	0	0	0	0	0	0	0
	1969	293	673	293	673	0	0	0	0	0	2	132
	1974	320	366	300	341	20	25	0	0	0	0	218
	1979	388	361	142	138	246	223	0	0	0	3	305
	1984	397	259	273	178	124	81	0	0	0	8	388
	1989	397	259	273	178	124	81	0	0	0	8	397
SHELBY	1958	3	1	3	1	0	0	0	0	0	0	0
	1964	0	0	0	0	0	0	0	0	0	0	0
	1969	0	0	0	0	0	0	0	0	0	0	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	40	13	30	8	10	5	0	0	0	0	0
	1989	50	35	25	15	10	5	15	15	60	2	20
SHERMAN	1958	50,000	60,200	0	0	50,000	60,200	0	0	0	200	0
	1964	137,200	182,000	0	0	137,200	182,000	0	0	0	690	900
	1969	252,578	284,537	0	0	252,578	284,537	0	0	0	1,018	12,220
	1974	273,651	330,277	0	0	273,171	329,857	480	420	20	1,190	21,650
	1979	231,000	268,267	0	0	230,300	267,417	700	850	30	1,357	57,735
	1984	140,200	225,833	0	0	140,200	225,833	0	0	0	1,200	43,830
	1989	148,000	249,500	0	0	148,000	249,500	0	0	0	1,371	59,200
SMITH	1958	780	169	390	65	390	104	0	0	0	7	780
	1964	850	466	310	192	100	33	440	241	64	7	850
	1969	1,545	566	795	316	0	0	750	250	50	7	1,210
	1974	700	267	400	167	0	0	300	100	50	7	700
	1979	595	226	195	93	0	0	400	133	75	7	580
	1984	784	1,959	784	1,959	0	0	0	0	0	7	710
	1989	406	176	298	121	58	22	50	33	50	7	300
SOMERVELL	1958	195	190	130	147	65	43	0	0	0	3	130
	1964	211	204	196	196	15	8	0	0	0	4	211
	1969	524	338	524	338	0	0	0	0	0	5	501
	1974	478	180	420	127	58	53	0	0	0	4	458
	1979	715	484	450	267	265	218	0	0	0	7	715
	1984	652	787	374	266	278	521	0	0	0	7	652
	1989	484	320	310	175	174	145	0	0	0	8	484
STARR	1958	35,441	41,097	35,141	40,863	300	234	0	0	0	3	300
	1964	33,450	47,367	200	342	250	125	33,000	46,900	70	202	750
	1969	32,500	44,421	0	0	0	0	32,500	44,421	75	40	0
	1974	25,576	26,155	25,576	26,155	0	0	0	0	0	25	0
	1979	25,576	25,909	25,576	25,909	0	0	0	0	0	10	0
	1984	25,751	30,777	25,251	30,277	500	500	0	0	0	16	400
	1989	23,500	40,965	23,000	40,465	500	500	0	0	0	16	300
STEPHENS	1958	388	259	358	241	30	18	0	0	0	1	135
	1964	458	517	356	364	42	84	60	69	70	3	105
	1969	1,169	1,479	1,078	1,343	0	0	91	136	50	1	908
	1974	855	855	765	765	0	0	90	90	30	1	825
	1979	1,157	876	997	781	0	0	160	95	39	4	797
	1984	1,279	932	1,169	882	40	27	70	23	50	5	1,169
	1989	932	396	846	353	0	0	86	43	50	5	932
STERLING	1958	215	224	0	0	145	163	70	61	20	8	0
	1964	1,356	2,336	0	0	1,099	1,819	257	517	20	36	1,027
	1969	2,081	4,824	95	190	1,986	4,634	0	0	0	52	368
	1974	2,252	4,169	0	0	2,252	4,169	0	0	0	56	2,227
	1979	633	1,468	0	0	633	1,468	0	0	0	63	633
	1984	505	1,206	0	0	505	1,206	0	0	0	63	499
	1989	580	935	0	0	580	935	0	0	0	63	580

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
STONEWALL	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	2,115	3,004	0	0	2,115	3,004	0	0	0	50	965
	1969	1,480	1,515	0	0	1,480	1,515	0	0	0	50	1,300
	1974	425	663	20	30	405	633	0	0	0	32	370
	1979	208	236	0	0	208	236	0	0	0	30	76
	1984	272	179	0	0	272	179	0	0	0	22	272
	1989	524	513	0	0	494	483	30	30	80	20	524
SUTTON	1958	407	544	167	237	240	307	0	0	0	6	280
	1964	666	1,483	96	237	570	1,246	0	0	0	9	260
	1969	1,177	2,899	168	350	1,009	2,549	0	0	0	17	633
	1974	989	1,721	112	212	877	1,509	0	0	0	17	445
	1979	569	826	124	196	445	630	0	0	0	17	236
	1984	617	937	91	143	526	794	0	0	0	17	278
	1989	772	1,157	216	360	556	797	0	0	0	20	313
SWISHER	1958	319,200	265,026	0	0	319,200	265,026	0	0	0	2,630	0
	1964	279,012	471,623	0	0	279,012	471,623	0	0	0	3,608	1,160
	1969	249,700	369,637	0	0	245,840	363,920	3,860	5,717	41	4,596	1,500
	1974	316,800	474,878	0	0	316,800	474,878	0	0	0	4,600	3,500
	1979	132,624	157,952	0	0	132,624	157,952	0	0	0	4,900	8,500
	1984	125,425	150,758	0	0	125,425	150,758	0	0	0	3,800	11,220
	1989	112,000	105,914	0	0	112,000	105,914	0	0	0	2,536	11,000
TARRANT	1958	2,020	1,124	1,420	857	600	267	0	0	0	35	1,365
	1964	2,160	1,667	1,560	1,169	0	0	600	498	50	15	2,020
	1969	550	950	550	950	0	0	0	0	0	10	300
	1974	400	800	400	800	0	0	0	0	0	10	150
	1979	266	219	181	181	0	0	85	38	25	10	219
	1984	127	107	127	107	0	0	0	0	0	10	15
	1989	127	107	127	107	0	0	0	0	0	10	15
TAYLOR	1958	1,371	2,452	40	53	1,331	2,399	0	0	0	49	817
	1964	2,221	2,459	325	502	1,896	1,957	0	0	0	107	1,714
	1969	1,306	1,581	611	798	605	508	90	275	90	125	370
	1974	3,040	3,433	150	155	2,890	3,278	0	0	0	98	1,090
	1979	1,638	936	505	253	1,133	683	0	0	0	100	1,093
	1984	1,340	753	345	173	995	581	0	0	0	90	900
	1989	1,310	784	345	182	965	602	0	0	0	90	1,045
TERRELL	1958	111	501	111	501	0	0	0	0	0	0	56
	1964	207	1,035	207	1,035	0	0	0	0	0	0	56
	1969	277	1,250	40	200	237	1,050	0	0	0	2	0
	1974	106	257	0	0	106	257	0	0	0	3	0
	1979	194	565	38	76	156	489	0	0	0	6	54
	1984	166	242	0	0	166	242	0	0	0	7	0
	1989	264	389	0	0	264	389	0	0	0	7	0
TERRY	1958	136,034	135,586	0	0	136,034	135,586	0	0	0	1,125	136,034
	1964	130,000	170,313	0	0	130,000	170,313	0	0	0	1,550	130,000
	1969	169,700	58,057	0	0	169,500	57,897	200	160	50	1,630	168,670
	1974	173,230	145,570	0	0	173,030	145,410	200	160	50	1,700	172,240
	1979	166,336	57,712	0	0	166,136	57,645	200	67	50	1,700	165,330
	1984	146,799	66,119	0	0	146,449	65,244	350	875	91	2,650	146,494
	1989	129,516	152,442	0	0	129,356	152,282	160	160	78	2,650	129,516
THROCKMORTON	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	65	48	65	48	0	0	0	0	0	0	65
	1969	0	0	0	0	0	0	0	0	0	6	0
	1974	85	42	30	15	55	27	0	0	0	1	55
	1979	0	0	0	0	0	0	0	0	0	1	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
TITUS	1958	115	40	110	38	0	0	5	2	40	2	115
	1964	0	0	0	0	0	0	0	0	0	2	0
	1969	0	0	0	0	0	0	0	0	0	1	0
	1974	0	0	0	0	0	0	0	0	0	1	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
TOM GREEN	1958	10,775	12,415	5,324	6,746	4,511	4,582	940	1,087	50	88	108
	1964	16,858	28,551	4,694	10,139	11,414	17,065	750	1,347	61	241	1,055
	1969	13,820	13,464	5,463	6,715	8,257	6,604	100	145	80	248	1,982
	1974	26,316	23,449	12,773	12,476	10,923	8,306	2,620	2,667	66	318	2,843
	1979	30,560	50,495	15,900	33,188	13,500	15,880	1,160	1,427	66	525	2,500
	1984	33,600	49,085	7,100	17,938	26,500	31,146	0	0	0	800	3,950
	1989	38,790	58,741	14,390	25,888	22,750	30,378	1,650	2,475	38	1,000	4,730
TRAVIS	1958	1,430	1,254	1,105	980	325	274	0	0	0	9	525
	1964	1,270	1,002	995	814	275	188	0	0	0	11	378
	1969	2,604	1,685	2,337	1,510	267	175	0	0	0	9	1,737
	1974	1,256	978	1,036	804	100	74	120	100	70	5	1,023
	1979	260	170	40	40	100	50	120	80	70	5	260
	1984	1,090	1,354	670	1,008	300	267	120	80	70	4	1,090
	1989	838	931	290	411	548	520	0	0	0	8	818
TRINITY	1958	50	8	0	0	50	8	0	0	0	1	50
	1964	0	0	0	0	0	0	0	0	0	1	0
	1969	0	0	0	0	0	0	0	0	0	1	0
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	5	3	0	0	5	3	0	0	0	1	0
TYLER	1958	13	5	1	1	8	3	4	1	50	3	8
	1964	0	0	0	0	0	0	0	0	0	2	0
	1969	84	51	68	40	15	10	1	1	25	5	83
	1974	35	9	35	9	0	0	0	0	0	1	35
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	39	21	35	18	4	4	0	0	0	2	35
	1989	39	22	35	18	4	4	0	0	0	2	35
UPSHUR	1958	0	0	0	0	0	0	0	0	0	3	0
	1964	0	0	0	0	0	0	0	0	0	2	0
	1969	10	4	0	0	0	0	10	4	40	1	10
	1974	14	7	14	7	0	0	0	0	0	1	14
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	0	0	0	0	0	0	0	0	0	0	0
UPTON	1958	550	698	0	0	550	698	0	0	0	9	210
	1964	2,810	3,594	0	0	2,810	3,594	0	0	0	33	2,660
	1969	5,676	5,438	0	0	5,676	5,438	0	0	0	80	2,050
	1974	6,486	9,015	0	0	6,486	9,015	0	0	0	130	0
	1979	14,002	17,493	0	0	14,002	17,493	0	0	0	428	440
	1984	12,067	15,235	0	0	12,067	15,235	0	0	0	460	1,225
	1989	10,906	14,394	0	0	10,906	14,394	0	0	0	480	1,390
UVALDE	1958	13,945	18,030	420	408	12,625	17,051	900	571	88	137	390
	1964	21,379	33,939	925	496	20,254	33,327	200	116	70	180	400
	1969	35,596	49,402	1,100	879	34,496	48,523	0	0	0	245	900
	1974	40,412	70,312	1,290	1,633	38,122	67,312	1,000	1,367	10	285	2,580
	1979	39,612	78,105	1,500	1,890	36,912	74,215	1,200	2,000	15	305	12,261
	1984	51,370	151,774	1,750	2,005	48,420	146,560	1,200	3,208	10	319	15,348
	1989	49,032	151,878	250	500	48,782	151,378	0	0	0	329	15,048

Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
VAL VERDE	1958	2,200	2,369	0	0	2,200	2,369	0	0	0	10	140
	1964	1,300	2,174	0	0	1,300	2,174	0	0	0	14	0
	1969	1,575	2,342	130	187	1,445	2,155	0	0	0	5	130
	1974	1,095	1,745	820	1,344	275	401	0	0	0	8	25
	1979	870	1,350	620	1,130	250	220	0	0	0	12	230
	1984	1,022	2,348	620	1,612	402	736	0	0	0	20	90
	1989	792	1,998	620	1,612	172	386	0	0	0	20	60
VAN ZANDT	1958	330	130	240	88	90	42	0	0	0	5	330
	1964	575	257	505	224	70	33	0	0	0	5	575
	1969	311	117	311	117	0	0	0	0	0	0	311
	1974	0	0	0	0	0	0	0	0	0	0	0
	1979	0	0	0	0	0	0	0	0	0	0	0
	1984	0	0	0	0	0	0	0	0	0	0	0
	1989	30	30	30	30	0	0	0	0	0	0	0
VICTORIA	1958	4,635	16,014	358	299	4,277	15,715	0	0	0	36	458
	1964	5,096	13,112	150	45	4,946	13,067	0	0	0	28	130
	1969	5,385	17,338	0	0	5,385	17,338	0	0	0	37	0
	1974	5,160	16,092	326	109	4,834	15,983	0	0	0	56	191
	1979	7,874	25,836	176	176	7,698	25,660	0	0	0	64	176
	1984	6,293	20,334	160	133	6,133	20,201	0	0	0	65	160
	1989	4,894	18,377	160	133	4,734	18,244	0	0	0	65	200
WALKER	1958	123	82	0	0	123	82	0	0	0	2	123
	1964	120	13	120	13	0	0	0	0	0	1	0
	1969	1,325	745	1,325	745	0	0	0	0	0	2	48
	1974	405	273	405	273	0	0	0	0	0	2	0
	1979	30	8	30	8	0	0	0	0	0	3	30
	1984	310	207	210	132	100	75	0	0	0	3	110
	1989	346	346	20	20	326	326	0	0	0	3	326
WALLER	1958	17,493	25,446	256	341	16,300	24,212	937	893	37	89	243
	1964	15,957	23,068	356	252	15,355	22,637	246	179	20	71	185
	1969	17,759	28,915	406	277	17,107	28,523	246	115	50	77	539
	1974	18,361	29,984	200	200	18,161	29,784	0	0	0	80	416
	1979	16,577	25,255	0	0	16,577	25,255	0	0	0	80	1,000
	1984	9,774	28,259	367	184	9,407	28,075	0	0	0	80	0
	1989	7,014	20,417	0	0	7,014	20,417	0	0	0	80	273
WARD	1958	5,660	14,739	0	0	960	1,822	4,700	12,917	75	43	560
	1964	5,447	18,240	0	0	1,181	2,844	4,266	15,396	10	100	1,181
	1969	6,496	23,806	242	627	1,357	2,918	4,897	20,261	50	60	1,001
	1974	5,536	22,975	127	317	590	2,136	4,819	20,522	50	62	314
	1979	1,788	7,549	100	333	225	577	1,463	6,639	72	64	45
	1984	284	357	0	0	284	357	0	0	0	20	0
	1989	3,204	14,000	3,080	13,705	124	295	0	0	0	20	0
WASHINGTON	1958	1,284	1,543	210	210	400	435	674	898	60	19	360
	1964	974	959	150	143	824	816	0	0	0	14	384
	1969	698	637	240	320	108	54	350	263	50	10	108
	1974	190	105	40	30	150	75	0	0	0	13	150
	1979	20	20	0	0	20	20	0	0	0	14	0
	1984	122	122	0	0	122	122	0	0	0	12	0
	1989	217	217	0	0	217	217	0	0	0	14	0
WEBB	1958	8,110	9,891	8,060	9,851	50	40	0	0	0	3	100
	1964	12,050	22,937	12,050	22,937	0	0	0	0	0	0	0
	1969	16,572	23,305	16,572	23,305	0	0	0	0	0	0	0
	1974	12,564	14,934	12,564	14,934	0	0	0	0	0	0	243
	1979	4,979	3,556	4,979	3,556	0	0	0	0	0	0	1,849
	1984	5,400	5,400	5,400	5,400	0	0	0	0	0	0	783
	1989	5,177	5,862	5,027	5,694	150	168	0	0	0	3	1,489



Table 1. — Irrigation Summary for Counties—1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
WHARTON	1958	67,630	167,185	20,550	54,829	44,580	110,506	2,500	1,850	20	350	0
	1964	71,040	146,598	16,510	38,533	54,530	108,065	0	0	0	421	0
	1969	82,253	239,068	15,205	48,770	67,048	190,298	0	0	0	420	0
	1974	89,848	255,226	19,910	59,730	63,408	175,906	6,530	19,590	80	438	480
	1979	85,175	163,195	26,160	56,180	47,415	84,265	11,600	22,750	61	443	1,425
	1984	83,700	268,953	22,770	91,832	53,030	147,496	7,900	29,625	62	430	4,360
	1989	82,812	249,988	26,382	109,105	54,430	132,883	2,000	8,000	70	430	7,915
WHEELER	1958	1,150	1,543	40	50	1,110	1,493	0	0	0	14	810
	1964	3,860	4,780	220	350	3,640	4,430	0	0	0	40	3,360
	1969	4,310	3,085	310	235	4,000	2,850	0	0	0	60	3,730
	1974	8,030	10,378	350	293	7,590	9,995	90	90	20	90	7,710
	1979	13,035	7,788	0	0	13,035	7,788	0	0	0	200	13,035
	1984	4,438	4,145	100	67	4,338	4,078	0	0	0	190	4,438
	1989	4,204	2,304	100	67	4,104	2,237	0	0	0	190	4,034
WICHITA	1958	10,790	24,445	10,790	24,445	0	0	0	0	0	0	0
	1964	18,007	25,807	18,007	25,807	0	0	0	0	0	0	0
	1969	19,610	28,138	19,460	27,888	150	250	0	0	0	0	0
	1974	20,150	29,038	20,000	28,788	150	250	0	0	0	2	150
	1979	20,941	27,517	20,941	27,517	0	0	0	0	0	2	150
	1984	17,230	62,772	17,230	62,772	0	0	0	0	0	2	0
	1989	12,523	31,018	12,523	31,018	0	0	0	0	0	2	120
WILBARGER	1958	6,285	5,735	0	0	6,285	5,735	0	0	0	153	5,633
	1964	10,175	11,325	1,775	1,942	8,400	9,383	0	0	0	180	8,575
	1969	11,156	12,106	1,776	1,732	9,380	10,374	0	0	0	380	9,756
	1974	11,510	17,433	1,550	1,700	9,960	15,733	0	0	0	650	10,110
	1979	14,575	24,793	875	768	13,700	24,025	0	0	0	497	13,860
	1984	13,190	27,437	710	917	12,480	26,520	0	0	0	540	12,842
	1989	15,613	21,295	710	790	14,903	20,505	0	0	0	580	15,573
WILLACY	1958	31,400	49,084	31,100	48,717	0	0	300	367	90	6	1,700
	1964	36,500	58,992	36,500	58,992	0	0	0	0	0	0	400
	1969	37,723	49,268	37,723	49,268	0	0	0	0	0	0	0
	1974	37,723	53,896	37,723	53,896	0	0	0	0	0	0	0
	1979	37,723	28,112	37,723	28,112	0	0	0	0	0	0	0
	1984	37,235	54,235	37,235	54,235	0	0	0	0	0	0	0
	1989	37,235	56,484	37,235	56,484	0	0	0	0	0	0	0
WILLIAMSON	1958	164	129	154	121	10	8	0	0	0	5	124
	1964	249	214	239	207	10	7	0	0	0	1	209
	1969	653	572	653	572	0	0	0	0	0	1	653
	1974	348	267	328	237	20	30	0	0	0	3	328
	1979	80	60	70	47	10	13	0	0	0	4	80
	1984	88	136	67	134	21	2	0	0	0	3	67
	1989	158	148	132	132	26	16	0	0	0	4	132
WILSON	1958	10,190	14,857	2,390	3,036	7,800	11,821	0	0	0	32	7,800
	1964	18,491	15,519	4,000	3,346	14,491	12,173	0	0	0	84	12,931
	1969	16,618	13,669	1,845	877	11,695	10,821	3,078	1,971	10	190	14,839
	1974	19,621	17,707	2,890	2,848	15,587	13,750	1,144	1,109	3	220	17,676
	1979	8,117	6,388	120	80	7,997	6,308	0	0	0	230	7,987
	1984	12,051	8,395	1,707	1,146	10,164	7,116	180	133	28	240	11,863
	1989	13,380	10,845	2,255	1,685	10,995	9,068	130	92	24	250	12,967
WINKLER	1958	530	934	0	0	530	934	0	0	0	4	530
	1964	470	1,664	0	0	470	1,664	0	0	0	3	470
	1969	1,360	5,382	0	0	1,360	5,382	0	0	0	12	1,320
	1974	1,843	3,466	0	0	1,843	3,466	0	0	0	12	1,803
	1979	1,240	4,797	0	0	1,240	4,797	0	0	0	12	1,240
	1984	240	360	0	0	240	360	0	0	0	12	240
	1989	0	0	0	0	0	0	0	0	0	0	0

Table 1. --- Irrigation Summary for Counties--1958, 1964, 1969, 1974, 1979, 1984, 1989...(Continued)

County	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Irrigation Sprinkler Wells Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		Number	Acres
WISE	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	491	269	463	255	28	14	0	0	0	3	491
	1969	525	324	525	324	0	0	0	0	0	4	525
	1974	1,515	757	1,115	557	400	200	0	0	0	5	1,515
	1979	1,070	535	960	480	110	55	0	0	0	5	1,070
	1984	1,170	585	940	470	230	115	0	0	0	7	1,170
	1989	607	321	360	180	127	54	120	87	10	8	590
WOOD	1958	213	95	203	89	10	6	0	0	0	3	203
	1964	360	189	230	124	0	0	130	65	50	4	360
	1969	460	160	450	155	10	5	0	0	0	3	460
	1974	50	13	40	10	10	3	0	0	0	3	50
	1979	0	0	0	0	0	0	0	0	0	3	0
	1984	412	680	120	113	110	275	182	292	35	4	402
	1989	422	417	130	89	110	138	182	190	36	4	402
YOAKUM	1958	38,370	67,910	0	0	38,370	67,910	0	0	0	421	34,144
	1964	68,500	61,825	0	0	68,500	61,825	0	0	0	1,030	57,800
	1969	88,740	74,295	0	0	88,740	74,295	0	0	0	1,100	88,740
	1974	102,340	138,651	0	0	102,340	138,651	0	0	0	1,127	101,540
	1979	121,910	122,912	0	0	121,910	122,912	0	0	0	1,200	121,310
	1984	100,427	61,515	0	0	100,427	61,515	0	0	0	1,230	99,797
	1989	92,892	137,824	0	0	92,892	137,824	0	0	0	1,300	91,262
YOUNG	1958	0	0	0	0	0	0	0	0	0	0	0
	1964	292	213	222	120	70	93	0	0	0	3	292
	1969	453	261	322	178	131	83	0	0	0	4	326
	1974	774	337	460	169	314	168	0	0	0	10	774
	1979	5	1	0	0	5	1	0	0	0	13	5
	1984	575	228	115	58	460	171	0	0	0	6	555
	1989	611	468	283	162	328	306	0	0	0	11	266
ZAPATA	1958	8,339	12,985	8,339	12,985	0	0	0	0	0	0	0
	1964	4,100	8,300	4,100	8,300	0	0	0	0	0	0	300
	1969	6,738	8,756	6,738	8,756	0	0	0	0	0	0	0
	1974	4,134	4,588	4,134	4,588	0	0	0	0	0	0	0
	1979	3,691	4,199	3,691	4,199	0	0	0	0	0	0	0
	1984	3,286	3,300	3,286	3,300	0	0	0	0	0	0	1,130
	1989	2,272	1,955	2,272	1,955	0	0	0	0	0	0	684
ZAVALA	1958	82,400	89,247	1,700	2,025	70,700	76,514	10,000	10,708	50	364	3,300
	1964	138,652	271,938	1,500	2,400	119,852	232,739	17,300	36,799	30	536	4,059
	1969	108,656	195,361	1,683	2,104	91,673	169,419	15,300	23,838	94	540	4,200
	1974	81,382	146,315	1,183	1,479	64,899	114,723	15,300	30,113	94	550	4,000
	1979	85,510	146,793	1,363	1,704	68,847	118,700	15,300	26,389	93	565	8,184
	1984	57,776	95,144	1,185	658	49,091	81,777	7,500	12,708	30	550	6,780
	1989	48,390	95,351	4,885	2,442	39,705	89,317	3,800	3,592	15	555	6,730
STATE TOTALS	1958	6,723,614	9,605,605	1,126,521	2,170,313	5,387,663	6,946,620	209,430	488,672	73	55,473	667,678
	1964	7,706,881	12,509,652	1,184,961	1,992,067	6,235,614	9,989,649	286,306	527,936	38	70,565	1,076,729
	1969	8,206,249	11,569,024	1,267,607	2,352,335	6,648,553	8,622,041	290,089	594,648	78	83,115	1,548,002
	1974	8,618,054	13,082,262	1,272,397	2,186,062	7,089,624	10,279,992	256,033	616,208	80	90,469	1,814,293
	1979	7,817,681	9,723,403	1,248,855	1,850,222	5,885,102	6,924,044	683,724	949,153	60	95,217	2,197,001
	1984	6,752,625	9,342,950	1,093,158	2,055,844	5,415,859	6,790,592	243,608	496,526	78	100,275	2,140,598
	1989	6,081,817	8,795,293	1,130,273	2,152,708	4,761,498	6,193,920	190,046	448,665	79	100,113	2,113,603

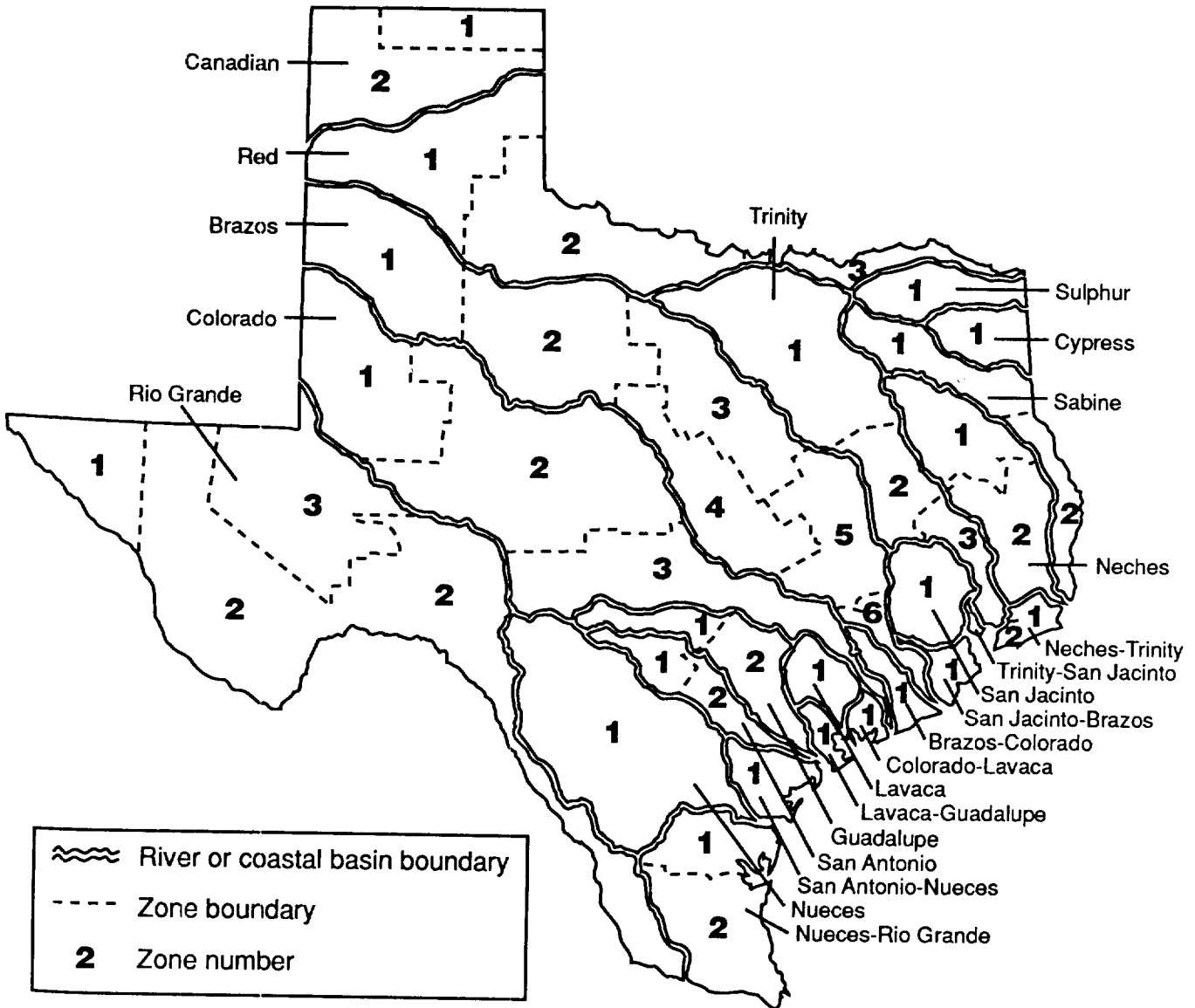


Figure 5. River and Coastal Basins and Zones

Table 2. — Irrigation Summary for River and Coastal Basins—1958, 1964, 1969, 1974, 1979, 1984, 1989

County	Zone	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Sprinkler Systems	
			Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Surface Source Percent	Acres
CANADIAN	1	1989	372,967	536,902	0	0	372,967	536,902	0	0	0	89,718
	2	1989	605,609	924,808	0	0	604,489	922,916	1,120	1,892	30	359,287
BASIN TOTAL		1958	355,908	400,979	20	15	355,888	400,964	0	0	0	1,580
		1964	678,468	919,452	55	63	678,413	919,389	0	0	0	19,738
		1969	1,208,964	1,462,220	0	0	1,208,664	1,462,070	300	150	30	87,669
		1974	1,355,936	1,915,834	0	0	1,353,896	1,913,693	2,040	2,141	20	174,486
		1979	1,446,586	1,876,186	0	0	1,444,226	1,873,482	2,360	2,704	40	327,016
		1984	1,126,974	1,525,329	0	0	1,125,834	1,523,932	1,140	1,397	60	391,574
		1989	978,576	1,461,710	0	0	977,456	1,459,818	1,120	1,892	30	449,005
RED	1	1989	698,492	647,831	450	417	693,712	641,923	4,330	5,491	47	115,487
	2	1989	83,443	100,123	14,225	32,669	68,989	67,294	229	160	50	62,193
	3	1989	7,408	11,280	4,972	8,891	2,367	2,333	69	56	36	4,870
BASIN TOTAL		1958	1,293,931	1,424,962	16,380	28,956	1,276,991	1,395,257	560	749	48	44,483
		1964	1,401,367	2,072,911	24,385	32,547	1,375,014	2,037,094	1,968	3,270	32	76,911
		1969	1,328,087	1,839,689	26,533	34,314	1,295,369	1,796,805	6,185	8,570	31	87,270
		1974	1,465,092	2,053,161	27,011	36,109	1,436,238	2,015,153	1,843	1,899	61	122,279
		1979	1,183,623	1,270,858	30,018	36,358	1,141,885	1,222,405	11,720	12,095	50	162,846
		1984	977,579	1,038,708	28,646	79,199	934,060	946,306	14,873	13,203	53	142,793
		1989	789,343	759,234	19,647	41,977	765,068	711,550	4,628	5,707	47	182,550
SULPHUR BASIN TOTAL		1958	882	376	527	201	105	33	250	142	33	682
		1964	640	308	228	120	154	80	258	108	40	207
		1969	486	240	245	129	41	11	200	100	20	286
		1974	0	0	0	0	0	0	0	0	0	0
		1979	250	63	250	63	0	0	0	0	0	0
		1984	1,607	4,236	1,607	4,236	0	0	0	0	0	136
		1989	1,485	1,250	1,485	1,250	0	0	0	0	0	0
CYPRESS BASIN TOTAL		1958	339	131	224	84	0	0	115	47	50	309
		1964	928	407	463	227	0	0	465	180	33	928
		1969	981	556	801	444	50	25	130	87	64	981
		1974	494	293	474	285	0	0	20	8	95	474
		1979	275	85	275	85	0	0	0	0	0	275
		1984	650	909	35	51	160	395	455	463	45	590
		1989	511	399	320	214	191	185	0	0	0	293
SABINE	1	1989	925	773	669	468	30	21	226	284	35	832
	2	1989	2,540	6,197	1,425	3,982	0	0	1,115	2,215	25	20
BASIN TOTAL		1958	6,166	8,231	4,720	6,671	1,376	1,532	70	28	79	1,415
		1964	7,005	15,461	5,202	13,008	1,123	2,077	680	376	52	1,917
		1969	6,467	10,826	4,576	8,404	1,111	2,152	780	270	48	2,257
		1974	4,939	10,023	3,529	8,030	1,085	1,876	325	117	46	735

Table 2. — Irrigation Summary for River and Coastal Basins—1958, 1964, 1969, 1974, 1979, 1984, 1989....(Continued)

County	Zone	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Sprinkler Systems Acres
			Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		
		1979	3,247	4,015	1,712	2,811	5	3	1,530	1,201	30	695
		1984	3,362	7,024	1,980	5,479	70	78	1,312	1,467	26	811
		1989	3,465	6,970	2,094	4,450	30	21	1,341	2,499	27	852
NECHES	1	1989	894	1,053	509	617	176	183	209	253	50	629
	2	1989	5,543	13,673	4,262	11,063	1,166	2,380	115	230	50	110
BASIN TOTAL		1958	12,745	29,577	9,128	20,841	3,613	8,735	4	1	50	2,484
		1964	8,622	16,738	7,221	14,231	1,381	2,504	20	3	50	1,988
		1969	16,270	34,066	12,158	25,653	3,611	7,166	501	1,247	41	1,897
		1974	17,370	35,979	11,769	25,570	4,058	8,735	1,543	1,674	44	3,255
		1979	6,863	12,459	4,450	7,927	2,209	4,254	204	278	45	593
		1984	6,185	18,337	4,668	15,304	1,258	2,702	259	331	44	1,479
		1989	6,437	14,726	4,771	11,680	1,342	2,563	324	483	50	739
NECHES-TRINTIY	1	1989	31,418	88,597	31,418	88,597	0	0	0	0	0	220
	2	1989	26,540	73,592	26,540	73,592	0	0	0	0	0	0
BASIN TOTAL		1958	94,559	283,677	94,559	283,677	0	0	0	0	0	0
		1964	103,756	259,364	103,756	259,364	0	0	0	0	0	15
		1969	106,978	267,445	106,978	267,445	0	0	0	0	0	0
		1974	104,291	260,728	104,291	260,728	0	0	0	0	0	0
		1979	114,763	211,588	114,763	211,588	0	0	0	0	0	0
		1984	52,040	181,602	51,955	181,389	85	213	0	0	0	302
		1989	57,958	162,189	57,958	162,189	0	0	0	0	0	220
TRINITY	1	1989	4,603	5,062	1,412	1,220	2,898	3,497	293	345	48	4,091
	2	1989	1,310	1,003	922	637	388	366	0	0	0	913
	3	1989	13,636	33,801	11,476	29,628	1,277	2,407	883	1,766	50	40
BASIN TOTAL		1958	27,462	43,728	19,675	26,151	7,287	17,277	500	300	62	9,680
		1964	33,868	62,256	23,873	44,171	8,185	17,026	1,810	1,059	56	7,434
		1969	45,606	89,192	34,734	68,207	9,997	18,998	875	1,987	49	5,860
		1974	43,797	88,968	30,858	66,797	11,039	19,751	1,900	2,420	50	6,592
		1979	24,589	49,700	17,563	38,379	5,320	7,372	1,706	3,949	49	3,468
		1984	29,793	81,177	22,693	68,721	5,121	7,792	1,979	4,664	57	4,832
		1989	19,549	39,866	13,810	31,485	4,563	6,270	1,176	2,111	49	5,044
TRINITY-SAN JACINTO BASIN TOTAL		1958	11,673	35,019	3,888	11,664	4,851	14,553	2,934	8,802	75	0
		1964	12,790	30,701	7,170	17,925	5,620	12,776	0	0	0	0
		1969	12,226	32,236	9,176	25,111	1,000	2,000	2,050	5,125	50	0
		1974	12,682	32,605	9,632	25,480	1,000	2,000	2,050	5,125	50	0
		1979	12,468	30,062	6,957	16,953	1,434	2,916	4,077	10,193	50	347
		1984	12,452	32,242	3,950	13,060	7,362	16,332	1,140	2,850	50	2,220
		1989	8,147	19,255	2,787	7,257	3,791	8,310	1,569	3,688	60	1,820

Table 2. — Irrigation Summary for River and Coastal Basins—1958, 1964, 1969, 1974, 1979, 1984, 1989....(Continued)

County	ZoneYear	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Sprinkler Systems	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Surface Source Percent	Acres
SAN JACINTO BASIN TOTAL	1958	45,089	122,354	1,110	3,190	43,979	119,164	0	0	0	370
	1964	48,282	102,044	1,020	2,214	47,262	99,830	0	0	0	490
	1969	53,555	149,420	1,823	6,006	51,432	142,664	300	750	50	681
	1974	49,294	120,420	0	0	48,994	119,670	300	750	50	90
	1979	36,072	69,457	0	0	34,058	64,741	2,014	4,716	50	1,058
	1984	23,032	56,804	0	0	23,032	56,804	0	0	0	100
	1989	17,358	45,064	0	0	17,143	44,634	215	430	50	80
SAN JACINTO-BRAZOS BASIN TOTAL	1958	59,595	199,897	50,650	175,800	7,845	20,247	1,100	3,850	20	200
	1964	70,350	168,383	62,090	151,965	7,360	14,393	900	2,025	25	150
	1969	74,211	232,544	63,721	205,990	8,990	21,929	1,500	4,625	50	0
	1974	64,924	171,430	57,074	152,463	5,800	13,500	2,050	5,467	50	0
	1979	73,219	157,790	68,563	148,754	3,520	6,669	1,136	2,367	65	200
	1984	44,588	140,721	40,054	127,824	3,480	9,735	1,054	3,162	60	680
	1989	35,907	122,122	33,091	114,500	1,800	4,405	1,016	3,217	60	150
BRAZOS	1 1989	1,736,168	1,813,297	4,250	5,778	1,724,104	1,788,356	7,814	19,163	71	580,033
	2 1989	93,966	77,460	5,689	2,865	87,534	74,007	743	588	61	62,810
	3 1989	19,862	23,352	8,446	12,306	9,821	9,950	1,595	1,096	55	21,987
	4 1989	58,015	62,918	19,933	21,227	32,155	35,258	5,927	6,433	44	45,823
	5 1989	50,864	34,115	6,468	4,686	37,983	25,156	6,413	4,273	50	1,178
	6 1989	13,299	38,128	5,504	17,903	7,795	20,225	0	0	0	687
BASIN TOTAL	1958	2,656,226	3,018,085	38,204	55,863	2,607,686	2,952,413	10,336	9,809	51	99,585
	1964	2,789,806	4,375,435	48,483	59,459	2,727,681	4,306,967	13,642	9,009	72	237,707
	1969	2,671,755	3,170,025	58,352	70,182	2,593,247	3,079,835	20,156	20,008	54	421,285
	1974	2,775,086	3,850,388	52,026	53,585	2,700,830	3,772,824	22,230	23,979	60	488,083
	1979	2,262,232	2,193,607	47,299	41,152	1,761,336	1,723,839	453,597	428,616	31	621,379
	1984	2,161,584	2,489,595	51,373	72,549	2,059,490	2,372,346	50,721	44,700	51	714,856
	1989	1,972,174	2,049,270	50,290	64,765	1,899,392	1,952,952	22,492	31,553	57	708,474
BRAZOS-COLORADO BASIN TOTAL	1958	32,797	86,833	21,700	65,450	8,297	18,483	2,800	2,900	21	500
	1964	51,167	163,689	34,518	130,060	16,330	32,513	319	1,116	75	350
	1969	70,799	237,807	39,793	154,419	30,606	82,155	400	1,233	50	590
	1974	64,893	213,863	37,353	134,229	17,960	49,577	9,580	30,057	59	1,645
	1979	73,744	196,375	39,310	120,065	22,409	49,287	12,025	27,023	51	6,587
	1984	74,160	249,613	36,524	142,405	29,285	76,525	8,351	30,683	65	14,966
	1989	57,381	202,315	37,960	148,680	16,576	42,818	2,845	10,817	56	4,439
COLORADO	1 1989	549,988	793,453	494	574	544,575	783,504	4,919	9,375	73	509,659
	2 1989	116,272	148,705	38,116	49,468	75,472	95,743	2,684	3,494	45	25,610
	3 1989	35,832	96,146	11,578	36,346	23,058	58,200	1,196	1,600	32	15,315
BASIN TOTAL	1958	575,392	769,722	38,087	60,783	536,260	707,716	1,045	1,223	48	424,310
	1964	724,858	1,015,532	43,997	87,522	678,893	923,096	1,968	4,914	49	599,430

Table 2. — Irrigation Summary for River and Coastal Basins—1958, 1964, 1969, 1974, 1979, 1984, 1989....(Continued)

County	Zone	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Sprinkler Systems Acres
			Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		
		1969	897,021	665,994	56,196	110,344	838,056	551,500	2,769	4,150	58	778,102
		1974	969,549	1,043,174	69,772	129,760	893,953	906,315	5,824	7,099	58	833,909
		1979	994,218	940,680	62,476	114,298	927,810	820,653	3,932	5,729	65	844,583
		1984	815,474	807,613	48,693	96,243	760,278	702,234	6,503	9,136	74	662,401
		1989	702,092	1,038,304	50,188	86,388	643,105	937,447	8,799	14,469	59	550,584
COLORADO-LAVACA												
BASIN TOTAL												
		1958	57,354	200,600	26,600	106,450	25,294	73,580	5,460	20,570	55	60
		1964	47,232	176,429	20,100	97,150	23,862	65,109	3,270	14,170	21	30
		1969	53,308	188,781	22,491	89,964	27,317	85,692	3,500	13,125	30	100
		1974	61,753	202,554	1,000	4,000	34,518	100,173	26,235	98,381	84	135
		1979	63,400	191,750	1,000	3,883	33,381	82,050	29,019	105,817	78	467
		1984	45,952	144,795	13,256	51,018	27,604	76,814	5,092	16,963	56	1,525
		1989	34,803	110,351	13,707	54,828	17,759	44,714	3,337	10,809	62	1,388
LAVACA												
BASIN TOTAL												
		1958	74,843	222,559	18,350	54,246	54,883	163,406	1,610	4,907	34	652
		1964	72,802	220,070	15,926	70,325	55,266	143,928	1,610	5,817	46	713
		1969	84,958	281,620	17,155	75,501	67,005	204,065	798	2,054	54	1,217
		1974	100,051	311,164	20,090	78,047	77,230	224,363	2,731	8,754	25	1,241
		1979	85,202	234,447	19,822	66,065	60,658	156,333	4,722	12,049	33	1,199
		1984	69,568	225,570	16,387	63,017	51,044	154,897	2,137	7,656	37	897
		1989	70,526	201,825	19,510	66,132	50,419	133,952	597	1,741	50	1,654
LAVACA-GUADALUPE												
BASIN TOTAL												
		1958	11,529	30,123	6,927	14,229	4,602	15,894	0	0	0	120
		1964	18,370	53,442	7,032	21,928	9,875	26,881	1,463	4,633	27	145
		1969	20,203	76,824	7,993	37,035	12,062	39,271	148	518	80	0
		1974	21,555	76,297	10,651	42,156	10,904	34,141	0	0	0	0
		1979	24,976	77,613	9,214	27,642	15,325	48,587	437	1,384	50	0
		1984	19,675	62,046	8,048	24,897	11,627	37,149	0	0	0	0
		1989	14,157	55,948	5,150	25,750	7,777	26,611	1,230	3,587	50	40
GUADALUPE												
	1	1989	1,354	2,121	780	1,094	529	915	45	112	36	1,141
	2	1989	8,030	7,613	3,508	2,960	4,046	4,415	476	238	69	6,668
BASIN TOTAL												
		1958	10,293	11,057	6,432	6,516	3,731	4,512	130	29	50	7,352
		1964	10,826	11,537	4,451	4,863	6,245	6,566	130	108	50	8,189
		1969	9,869	9,690	4,426	4,104	5,432	5,576	11	10	50	7,703
		1974	11,303	9,752	5,844	4,851	5,409	4,859	50	42	50	9,761
		1979	9,185	6,545	4,905	2,617	4,230	3,911	50	17	50	7,337
		1984	11,400	14,952	5,494	6,297	5,503	7,169	403	1,486	76	9,259
		1989	9,384	9,734	4,288	4,054	4,575	5,330	521	350	66	7,809
SAN ANTONIO												
	1	1989	25,399	61,598	5,984	11,019	18,567	48,202	848	2,377	55	4,489
	2	1989	10,812	8,317	3,586	2,404	7,176	5,878	50	35	30	10,513
BASIN TOTAL												
		1958	39,097	52,708	13,575	17,151	25,522	35,557	0	0	0	7,465

Table 2. — Irrigation Summary for River and Coastal Basins—1958, 1964, 1969, 1974, 1979, 1984, 1989....(Continued)

County	Zone	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Sprinkler Systems	
			Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Surface Source Percent	Acres
		1964	50,380	78,598	20,431	32,180	29,839	46,320	110	98	50	14,729
		1969	50,192	57,488	11,296	10,051	21,628	28,901	17,268	18,536	64	17,177
		1974	50,288	58,102	20,651	21,272	28,813	36,031	824	799	4	22,690
		1979	35,610	50,452	13,784	19,748	21,826	30,704	0	0	0	11,373
		1984	39,477	69,279	11,341	15,814	27,598	52,031	538	1,434	49	16,798
		1989	36,211	69,915	9,570	13,423	25,743	54,080	898	2,412	54	15,002
<b>SAN ANTONIO-NUECES</b>												
<b>BASIN TOTAL</b>												
		1958	13,110	14,415	0	0	13,110	14,415	0	0	0	30
		1964	16,328	7,557	0	0	16,113	7,414	215	143	20	1,055
		1969	12,797	5,986	105	80	12,692	5,906	0	0	0	313
		1974	12,909	6,318	30	20	12,879	6,298	0	0	0	320
		1979	2,596	1,760	34	34	2,562	1,726	0	0	0	34
		1984	10,101	4,786	65	51	10,036	4,735	0	0	0	94
		1989	6,281	3,451	150	29	6,131	3,422	0	0	0	1,364
<b>NUECES</b>												
<b>BASIN TOTAL</b>												
		1958	198,169	238,814	13,694	19,380	165,925	199,841	18,550	19,593	50	48,667
		1964	308,188	507,425	24,545	38,137	257,496	418,134	26,147	51,154	32	82,352
		1969	320,725	491,060	25,198	39,661	268,458	413,366	27,069	38,033	65	109,325
		1974	299,799	465,198	18,723	33,611	254,349	384,168	26,727	47,419	74	121,437
		1979	293,909	453,146	25,068	36,632	247,676	382,603	21,165	33,911	77	138,089
		1984	268,906	515,453	22,053	45,254	231,209	439,897	15,644	30,302	27	131,251
		1989	259,768	558,272	27,367	51,787	223,199	491,231	9,202	15,254	42	133,207
<b>NUECES-RIO GRANDE</b>												
	1	1989	7,236	3,986	774	279	6,462	3,707	0	0	0	5,556
	2	1989	715,805	1,111,791	654,298	1,016,308	1,507	1,983	60,000	93,500	90	6,513
<b>BASIN TOTAL</b>												
		1958	770,917	1,271,398	686,271	1,121,721	10,979	13,725	73,667	135,952	62	14,978
		1964	753,076	873,306	656,808	742,811	10,868	9,645	85,400	120,850	52	16,568
		1969	764,412	1,046,273	681,845	952,462	17,567	12,561	65,000	81,250	75	18,496
		1974	757,257	1,023,352	680,363	926,992	16,814	13,307	60,080	83,053	84	18,414
		1979	748,695	883,413	672,183	798,968	16,432	11,392	60,080	73,053	94	17,652
		1984	689,345	954,422	619,295	861,042	9,470	6,577	60,580	86,803	89	12,920
		1989	723,041	1,115,777	655,072	1,016,587	7,969	5,690	60,000	93,500	90	12,069
<b>RIO-GRANDE</b>												
	1	1989	84,528	330,581	40	50	20,216	96,600	64,272	233,931	98	4,647
	2	1989	140,356	254,934	114,266	220,429	25,845	33,494	245	1,011	81	22,792
	3	1989	48,166	161,831	5,530	24,804	38,875	127,823	3,761	9,204	25	5,458
<b>BASIN TOTAL</b>												
		1958	375,538	1,140,360	55,800	91,274	229,439	769,316	90,299	279,770	82	2,756
		1964	497,772	1,378,607	73,207	171,797	278,634	897,907	145,931	308,903	32	5,683
		1969	396,379	1,219,042	82,012	166,829	174,218	659,393	140,149	392,820	85	6,793
		1974	374,792	1,132,659	111,256	182,077	173,855	653,558	89,681	297,024	86	8,747
		1979	321,959	811,362	109,209	156,203	138,800	431,110	73,950	224,049	95	51,803
		1984	268,721	717,744	105,041	181,993	92,253	295,925	71,427	239,826	92	30,114
		1989	273,050	747,346	119,836	245,283	84,936	257,917	68,278	244,146	94	32,897



Table 2. — Irrigation Summary for River and Coastal Basins—1958, 1964, 1969, 1974, 1979, 1984, 1989....(Continued)

County	Zone Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Sprinkler Systems Acres
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		
STATE TOTALS	1958	6,723,614	9,605,605	1,126,521	2,170,313	5,387,663	6,946,620	209,430	488,672	71	667,678
	1964	7,706,881	12,509,652	1,184,961	1,992,067	6,235,614	9,989,649	286,306	527,936	37	1,076,729
	1969	8,206,249	11,569,024	1,267,607	2,352,335	6,648,553	8,622,041	290,089	594,648	77	1,548,002
	1974	8,618,054	13,082,262	1,272,397	2,186,062	7,089,624	10,279,992	256,033	616,208	80	1,814,293
	1979	7,817,681	9,723,413	1,248,855	1,850,225	5,885,102	6,924,037	683,724	949,151	59	2,197,001
	1984	6,752,625	9,342,957	1,093,158	2,055,843	5,415,859	6,790,588	243,608	496,526	78	2,140,598
	1989	6,081,817	8,795,293	1,130,273	2,152,708	4,761,498	6,193,920	190,046	448,665	79	2,113,603

## SOIL AND WATER CONSERVATION DISTRICTS IN TEXAS

### Districts in State Zone One

104 Floyd County  
 107 Rio Blanco  
 108 Lubbock County  
 109 Hall-Childress  
 110 Tule Creek  
 111 Blackwater Valley  
 115 Upper Colorado  
 119 Lynn County  
 124 Dawson County  
 125 Gray County  
 126 Cap Rock  
 127 Donley County  
 129 Hockley County  
 130 Lamb County  
 131 Dallam  
 132 Hale County  
 133 Salt Fork  
 134 Lipscomb  
 136 Running Water  
 137 Moore County  
 138 Hemphill  
 140 Parmer  
 141 Wheeler County  
 142 Ochiltree  
 143 Tierra Blanca  
 145 Roberts  
 146 Hutchinson  
 147 Palo Duro  
 148 Hansford  
 149 Cochran  
 150 Yoakum  
 151 Terry  
 152 Hartley  
 153 Oldham County  
 155 Staked Plains  
 156 McClellan Creek  
 158 Garza  
 159 Sherman County  
 160 Canadian River  
 161 Foard County  
 162 Lower Pease River  
 163 Cottle  
 164 Upper Pease  
 165 Upper Clear Fork  
 166 Gaines County  
 167 Stonewall  
 168 King  
 169 Duck Creek  
 170 Andrew Kent

### Districts in State Zone Two

201 Concho  
 205 El Paso-Hudspeth  
 206 Middle Clear Fork  
 207 Mitchell  
 208 North Concho River  
 209 Toyah-Limpia  
 210 Highland  
 213 Upper Pecos  
 215 Menard County  
 216 Kendall  
 217 Kerr County  
 218 Pedernales  
 219 Coke County  
 220 Gillespie County  
 221 Nueces-Frio-Sabinal  
 222 Edwards Plateau  
 223 Mason County  
 224 Devil's River  
 225 Upper Llanos  
 226 Medina Valley  
 227 Big Bend

228 Maverick  
 229 Bandera  
 230 High Point  
 231 Trans-Pecos  
 232 Runnels  
 233 Llano County  
 234 Middle Concho  
 235 Crockett  
 236 West Nueces-Las Moras  
 237 Rio Grande-Pecos River  
 238 Upper Nueces-Frio  
 240 Chaparral  
 241 Sandhills  
 242 Mustang  
 243 Howard  
 244 Midland  
 245 Nolan County  
 246 Andrews  
 247 Eldorado-Divide  
 248 Tom Green  
 249 McCulloch  
 250 San Saba

### Districts in State Zone Three

301 Wilson County  
 304 Caldwell-Travis  
 306 Comal-Guadalupe  
 307 Atascosa County  
 311 Nueces-Jim Wells-Kleberg-Kennedy  
 313 Burleson-Lee  
 316 Matagorda County  
 317 Coastal Plains  
 318 Waters Davis  
 319 Southmost  
 320 Dimmit County  
 312 Aqua Poquita  
 323 Live Oak  
 324 San Patricio  
 325 Frio  
 326 Winter Graden  
 328 Loma Blanca  
 329 Copano Bay  
 330 Alamo  
 331 Monte Mucho  
 332 Starr County  
 333 Colorado  
 334 Lavaca  
 335 Zapata  
 336 Jackson  
 337 Webb  
 338 Gonzales County  
 339 DeWitt County  
 340 Bastrop County  
 341 Fayette  
 342 Wharton County  
 343 Karnes County  
 344 Bee  
 345 Calhoun  
 346 Victoria  
 347 Austin County  
 348 Washington  
 349 Willacy  
 350 Hidalgo  
 351 Hays County  
 352 Goliad County  
 353 McMullen County  
 354 LaSalle County

### Districts in State Zone Four

401 Nacogdoches  
 404 Davy Crockett-Trinity

408 Bowie County  
 412 Harrison County  
 415 Lamar  
 417 Upshur-Gregg  
 419 Sulphur-Cypress  
 421 Anderson-Houston  
 422 Trinity-Neches  
 423 Red River County  
 424 Freestone-Leon  
 425 Montgomery-Walker  
 426 Smith County  
 427 Cherokee County  
 428 Bedias Creek  
 429 Piney Woods  
 432 Coastal  
 433 Marion-Cass  
 434 Trinity Bay  
 435 Lower Trinity  
 436 Polk-San Jacinto  
 437 Lower Neches  
 438 Upper Neches  
 439 Long Leaf  
 440 Navasota  
 441 Jasper-Newton  
 442 Harris  
 443 Delta  
 444 Wood  
 445 Hopkins-Rains  
 446 Lower Sabine-Neches  
 447 Rusk  
 448 Panola  
 449 Shelby  
 450 Brazos County  
 451 Robertson County

### District in State Zone Five

501 Limestone-Falls  
 504 Ellis-Prairie  
 505 Kaufman-Van Zandt  
 506 Hamilton-Coryell  
 508 Litte River-San Gabriel  
 509 Central Texas  
 512 McLennan County  
 513 Taylor  
 514 Navarro  
 518 Palo Pinto  
 519 Dalworth  
 520 Fannin County  
 522 Bosque  
 524 Upper Elm-Red  
 525 Upper Leon  
 529 Hood-Parker  
 530 Upper Sabine  
 532 Little Wichita  
 534 Hill Country  
 535 Collin County  
 537 Wilbarger  
 538 Wichita  
 539 Young  
 540 Hill County-Blackland  
 541 Johnson County  
 542 Miller-Brazos  
 543 Throckmorton  
 544 Wichita-Brazos  
 545 California Creek  
 546 Haskell  
 547 Denton County  
 548 Wise  
 549 Jack  
 550 Central Colorado  
 551 Lower Clear Fork of the Brazos  
 552 Callahan Divide  
 553 Pecan Bayou  
 554 Mills County

Table 3. — Irrigation Summary for Soil and Water Conservation Districts — 1989

No.	Name	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Sprinkler Systems Surface Source	
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Percent	Acres
104	FLOYD COUNTY	185,000	106,651	0	0	185,000	106,651	0	0	0	4,669
107	RIO BLANCE	120,440	91,171	0	0	119,466	90,274	974	897	50	18,265
108	LUBBOCK COUNTY	170,670	202,005	160	133	164,730	185,005	5,780	16,867	80	16,070
109	HALL-CHILDRESS	21,268	17,592	0	0	21,268	17,592	0	0	0	19,573
110	TULE CREEK	112,000	105,914	0	0	112,000	105,914	0	0	0	11,000
111	BLACKWATER VALLEY	139,147	197,092	0	0	139,147	197,092	0	0	0	104,551
115	UPPER COLORADO	1,316	1,075	150	188	1,166	887	0	0	0	735
119	LYNN COUNTY	50,332	29,042	4,000	5,600	46,332	23,442	0	0	0	12,695
124	DAWSON COUNTY	33,360	43,684	0	0	33,360	43,684	0	0	0	32,880
125	GRAY COUNTY	22,514	19,905	0	0	22,514	19,905	0	0	0	5,932
126	CAP ROCK	44,167	31,085	0	0	44,167	31,085	0	0	0	5,755
127	DONLEY COUNTY	23,560	17,516	0	0	23,560	17,516	0	0	0	14,390
129	HOCKLEY COUNTY	135,594	92,464	0	0	135,434	92,357	160	107	70	43,095
130	LAMB COUNTY	204,200	212,015	0	0	204,200	212,015	0	0	0	124,000
131	DALLAM	204,515	286,576	0	0	204,515	286,576	0	0	0	193,225
132	HALE COUNTY	345,900	452,343	0	0	345,000	451,051	900	1,292	40	68,330
133	SALT FORK	10,999	12,934	20	17	10,979	12,917	0	0	0	10,551
134	LIPSCOMB	17,680	18,361	0	0	17,680	18,361	0	0	0	14,390
136	RUNNING WATER	219,797	279,694	0	0	219,797	279,694	0	0	0	83,844
137	MOORE COUNTY	161,100	355,787	0	0	161,100	355,787	0	0	0	36,066
138	HEMPHILL	2,190	1,936	0	0	2,190	1,936	0	0	0	2,190
140	PARMER	291,970	280,293	0	0	291,710	279,973	260	320	50	100,000
141	WHEELER COUNTY	4,204	2,304	100	67	4,104	2,237	0	0	0	4,034
142	OCHILTREE	70,737	80,513	0	0	70,737	80,513	0	0	0	6,923
143	TIERRA BLANCA	206,151	213,674	0	0	206,151	213,674	0	0	0	38,112
145	ROBERTS	8,316	4,243	0	0	8,316	4,243	0	0	0	2,732
146	HUTCHINSON	35,000	44,746	0	0	35,000	44,746	0	0	0	4,006
147	PALO DURO	39,667	27,293	350	350	37,037	24,796	2,280	2,147	60	3,512
148	HANSFORD	136,550	188,528	0	0	136,550	188,528	0	0	0	9,205
149	COCHRAN	40,650	27,082	0	0	40,650	27,082	0	0	0	39,373
150	YOAKUM	92,892	137,824	0	0	92,892	137,824	0	0	0	91,262
151	TERRY	129,516	152,442	0	0	129,356	152,282	160	160	78	129,516
152	HARTLEY	151,900	193,102	0	0	151,900	193,102	0	0	0	117,119
153	OLDHAM COUNTY	5,296	3,871	0	0	5,296	3,871	0	0	0	638
155	STAKED PLAINS	14,539	10,549	0	0	14,539	10,549	0	0	0	609
156	McCLELLAN CREEK	106,528	93,553	0	0	106,528	93,553	0	0	0	8,550
158	GARZA	6,366	6,312	90	45	6,276	6,267	0	0	0	880
159	SHERMAN COUNTY	148,000	249,500	0	0	148,000	249,500	0	0	0	59,200
160	CANADIAN RIVER	6,683	8,201	0	0	3,773	3,285	2,910	4,916	30	2,350
161	FOARD COUNTY	4,100	4,101	0	0	4,100	4,101	0	0	0	4,100
162	LOWER PEASE RIVER	7,147	6,172	77	82	7,070	6,090	0	0	0	2,114
163	COTTLE	801	469	0	0	741	409	60	60	50	662
164	UPPER PEASE	7,540	3,934	225	92	7,315	3,842	0	0	0	7,260
165	UPPER CLEAR FORK	1,840	2,477	160	267	1,495	2,100	185	110	55	1,350
166	GAINES COUNTY	211,815	368,881	0	0	211,815	368,881	0	0	0	211,815
167	STONEWALL	524	513	0	0	494	483	30	30	80	524
168	KING	30	30	0	0	30	30	0	0	0	30
169	DUCK CREEK	7,114	4,632	565	231	6,389	4,308	160	93	50	2,272
170	ANDREW KENT	530	691	0	0	530	691	0	0	0	493
ZONE 1 TOTAL		3,962,155	4,690,772	5,897	7,072	3,942,399	4,656,701	13,859	26,999	83	1,670,847
201	CONCHO	3,428	3,531	365	233	2,673	2,843	390	455	63	1,030
205	EL PASO-HUDSPETH	84,284	329,413	40	50	19,972	95,432	64,272	233,931	98	4,403
206	MIDDLE CLEAR FORK	1,310	784	345	182	965	602	0	0	0	1,045
207	MITCHELL	1,708	1,477	0	0	1,708	1,477	0	0	0	1,688
208	NORTH CONCHO RIVER	25,575	30,238	0	0	25,575	30,238	0	0	0	1,227

Table 3. -- Irrigation Summary for Soil and Water Conservation Districts--1989....(Continued)

County	Zone	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Sprinkler Systems Acres
			Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		
209 TOYAH-LIMPIA			13,143	47,384	0	0	9,382	38,180	3,761	9,204	25	1,880
210 HIGHLAND			15,341	30,218	4,989	23,523	10,152	5,778	200	917	95	9,896
213 UPPER PECOS			11,329	48,285	5,530	24,804	5,799	23,481	0	0	0	140
215 MENARD COUNTY			3,478	3,377	3,202	3,084	276	293	0	0	0	464
216 KENDALL			219	509	40	100	134	297	45	112	36	155
217 KERR COUNTY			563	886	474	695	89	191	0	0	0	459
218 PEDERNALES			268	514	27	61	241	453	0	0	0	117
219 COKE COUNTY			390	571	77	102	313	469	0	0	0	155
220 GILLESPIE COUNTY			1,046	2,185	220	231	826	1,954	0	0	0	705
221 NUECES-FRIO-SABINAL			49,032	151,878	250	500	48,782	151,378	0	0	0	15,048
222 EDWARDS PLATEAU			772	1,157	216	360	556	797	0	0	0	313
223 MASON COUNTY			5,425	17,825	55	37	5,370	17,788	0	0	0	5,417
224 DEVIL'S RIVER			792	1,998	620	1,612	172	386	0	0	0	60
225 UPPER LLANOS			1,614	1,127	1,287	893	327	234	0	0	0	1,107
226 MEDINA VALLEY			53,825	160,439	18,090	43,828	33,511	109,568	2,224	7,043	50	10,864
227 BIG BEND			165	332	0	0	120	238	45	94	20	0
228 MAVERICK			50,500	103,016	50,500	103,016	0	0	0	0	0	0
229 BANDERA			298	255	136	122	162	133	0	0	0	222
230 HIGH POINT			9,257	15,313	0	0	9,257	15,313	0	0	0	6,236
231 TRANS-PECOS			23,809	66,241	0	0	23,809	66,241	0	0	0	3,305
232 RUNNELS			3,616	4,529	2,177	2,747	1,201	1,464	238	318	51	1,465
233 LLANO COUNTY			741	1,173	40	80	701	1,093	0	0	0	655
234 MIDDLE CONCHO			37,698	50,918	1,553	2,403	36,145	48,515	0	0	0	2,721
235 CROCKETT			341	412	0	0	341	412	0	0	0	251
236 W. NUECES-LAS MORAS			5,099	12,349	738	1,851	4,361	10,498	0	0	0	1,555
237 RIO GRANDE-PECOS RIVER			54	80	0	0	54	80	0	0	0	0
238 UPPER NUECES-FRIO			531	1,851	341	1,376	190	475	0	0	0	392
240 CHAPARAL			300	600	0	0	300	600	0	0	0	0
241 SANDHILLS			2,708	6,298	0	0	2,266	4,758	442	1,540	80	1,949
242 MUSTANG			12,356	14,061	0	0	12,356	14,061	0	0	0	11,768
243 HOWARD			2,111	2,175	494	574	1,617	1,601	0	0	0	2,003
244 MIDLAND			17,626	25,588	0	0	13,559	18,121	4,067	7,467	74	12,148
245 NOLAN COUNTY			2,681	2,490	160	187	2,111	1,918	410	385	66	2,419
246 ANDREWS			4,594	2,932	0	0	4,344	2,724	250	208	50	4,594
247 ELDORADO-DIVIDE			1,024	1,550	0	0	1,024	1,550	0	0	0	447
248 TOM GREEN			38,790	58,741	14,390	25,888	22,750	30,378	1,650	2,475	38	4,730
249 McCULLOCH			2,562	2,526	0	0	2,562	2,526	0	0	0	2,562
250 SAN SABA			8,513	6,361	7,227	5,471	1,286	890	0	0	0	2,216
ZONE 2 TOTAL			498,916	1,213,587	113,583	244,010	307,339	705,428	77,994	264,149	85	117,811
301 WILSON COUNTY			13,380	10,845	2,255	1,685	10,995	9,068	130	92	24	12,967
304 CALDWELL-TRAVIS			1,561	1,426	846	909	359	339	356	178	80	1,507
306 COMAL-GUADALUPE			2,878	2,887	1,088	1,047	1,790	1,840	0	0	0	2,474
307 ATASCOSA COUNTY			36,770	50,914	0	0	36,770	50,914	0	0	0	36,120
311 NUECES-JIM WELLS- KLEBERG			5,841	2,658	2,134	845	3,707	1,813	0	0	0	2,501
313 BURLESON-LEE			11,662	5,421	92	53	10,437	4,854	1,133	514	52	485
316 MATAGORDA COUNTY			32,536	119,525	26,687	106,748	4,557	7,932	1,292	4,845	80	2,290
317 COASTAL PLAINS			18,740	51,896	5,618	18,240	13,122	33,656	0	0	0	793
318 WATERS DAVIS			36,866	124,605	33,655	116,506	2,195	4,882	1,016	3,217	60	550
319 SOUTHMOST			268,700	400,798	268,700	400,798	0	0	0	0	0	0
320 DIMMIT COUNTY			5,312	9,262	380	532	3,314	5,943	1,618	2,787	73	1,017
321 AGUA POQUITA			3,455	2,233	0	0	3,455	2,233	0	0	0	3,455
323 LIVE OAK			1,911	1,859	470	1,018	1,441	841	0	0	0	1,897
324 SAN PATRICIO			3,277	1,233	0	0	3,277	1,233	0	0	0	50
325 FRIO			56,090	96,915	340	430	55,550	96,252	200	233	50	49,840

Table 3. — Irrigation Summary for Soil and Water Conservation Districts—1989....(Continued)

County	Zone	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Sprinkler Systems Acres
		Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		
326	WINTER GARDEN	50,293	98,493	5,310	3,038	39,705	89,317	5,278	6,138	31	6,730
328	LOMA BLANCA	472	281	0	0	472	281	0	0	0	448
329	COPANO BAY	0	0	0	0	0	0	0	0	0	0
330	ALAMO	17,345	36,038	6,213	11,517	10,682	23,404	450	1,117	60	4,012
331	MONTE MUCHO	120	120	0	0	120	120	0	0	0	120
332	STARR COUNTY	23,500	40,965	23,000	40,465	500	500	0	0	0	300
333	COLORADO	34,541	111,625	25,451	84,628	7,929	23,127	1,161	3,870	31	0
334	LAVACA	4,498	15,181	0	0	4,498	15,181	0	0	0	186
335	ZAPATA	2,272	1,955	2,272	1,955	0	0	0	0	0	45
336	JACKSON	25,126	72,151	0	0	21,254	60,859	3,872	11,292	50	380
337	WEBB	5,177	5,862	5,027	5,694	150	168	0	0	0	1,489
338	GONZALES COUNTY	3,312	2,225	1,400	868	1,792	1,297	120	60	35	3,130
339	DEWITT COUNTY	665	287	50	12	615	275	0	0	0	270
340	BASTROP COUNTY	995	546	395	204	20	12	580	330	21	745
341	FAYETTE	1,219	620	726	218	193	185	300	217	33	1,219
342	WHARTON COUNTY	82,812	249,988	26,382	109,105	54,430	132,883	2,000	8,000	70	7,915
343	KARNES COUNTY	1,183	619	798	337	385	282	0	0	0	1,178
344	BEE	3,063	2,261	150	29	2,913	2,232	0	0	0	1,363
345	CALHOUN	6,371	29,311	5,150	25,750	1,221	3,561	0	0	0	0
346	VICTORIA	4,894	18,377	160	133	4,734	18,244	0	0	0	200
347	AUSTIN COUNTY	3,265	9,172	0	0	3,265	9,172	0	0	0	220
348	WASHINGTON	217	217	0	0	217	217	0	0	0	0
349	WILLACY	37,235	56,484	37,235	56,484	0	0	0	0	0	0
350	HIDALGO	436,398	696,421	375,483	601,339	915	1,582	60,000	93,500	90	8,945
351	HAYS COUNTY	267	301	267	301	0	0	0	0	0	251
352	GOLIAD COUNTY	799	546	533	382	266	164	0	0	0	728
353	McMULLEN COUNTY	0	0	0	0	0	0	0	0	0	0
354	LASALLE COUNTY	6,270	6,401	520	347	5,550	5,798	200	256	1	6,270
ZONE 3 TOTAL		1,251,288	2,338,924	858,787	1,591,617	312,795	610,661	79,706	136,646	35	162,090
401	NACOGDOCHES	138	276	69	138	69	138	0	0	0	64
404	DAVY CROCKETT-TRINITY	280	149	275	146	5	3	0	0	0	215
408	BOWIE COUNTY	2,996	4,841	1,462	3,294	1,534	1,547	0	0	0	822
412	HARRISON COUNTY	24	64	0	0	0	0	24	64	50	24
415	LAMAR	1,860	4,700	1,860	4,700	0	0	0	0	0	1,860
417	UPSHUR-GREGG	0	0	0	0	0	0	0	0	0	0
419	SULPHUR-CYPRESS	411	274	320	214	91	60	0	0	0	193
421	ANDERSON-HOUSTON	758	516	597	441	67	28	94	47	50	436
422	TRINITY-NECHES	53	67	40	38	0	0	13	29	31	5
423	RED RIVER COUNTY	80	80	80	80	0	0	0	0	0	0
424	FREESTONE-LEON	25	25	0	0	25	25	0	0	0	0
425	MONTGOMERY-WALKER	365	365	20	20	345	345	0	0	0	326
426	SMITH COUNTY	406	176	298	121	58	22	50	33	50	300
427	CHEROKEE COUNTY	274	535	185	354	24	8	65	173	49	246
428	BEDIAS CREEK	30	30	30	30	0	0	0	0	0	30
429	PINEY WOODS	0	0	0	0	0	0	0	0	0	0
432	COASTAL	29,978	84,536	29,978	84,536	0	0	0	0	0	220
433	MARION-CASS	0	0	0	0	0	0	0	0	0	0
434	TRINITY BAY	28,652	81,035	28,652	81,035	0	0	0	0	0	0
435	LOWER TRINITY	23,490	55,461	17,773	44,432	3,535	6,665	2,182	4,364	50	260
436	POLK-SAN JACINTO	89	241	10	11	79	230	0	0	0	40
437	LOWER NECHES	961	1,922	0	0	961	1,922	0	0	0	0
438	UPPER NECHES	0	0	0	0	0	0	0	0	0	0
439	LONG LEAF	39	22	35	18	4	4	0	0	0	35
440	NAVASOTA	7,143	20,558	91	101	7,052	20,457	0	0	0	281
441	JASPER-NEWTON	1,135	2,305	35	105	0	0	1,100	2,200	25	35

Table 3. — Irrigation Summary for Soil and Water Conservation Districts—1989....(Continued)

County	Zone	Year	All Irrigation (On-Farm Use)		Surface Water Supplied (On-Farm Use)		Ground Water Supplied (On-Farm Use)		Irrigation Using Combined Supplies (On-Farm Use)		Surface Source Percent	Sprinkler Systems Acres
			Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.	Acres	Acre-Ft.		
442 HARRIS			12,470	31,025	0	0	11,870	29,275	600	1,750	75	1,600
443 DELTA			1,400	1,167	1,400	1,167	0	0	0	0	0	0
444 WOOD			422	417	130	89	110	138	182	190	36	402
445 HOPKINS-RAINS			20	25	20	25	0	0	0	0	0	0
446 LOWER SABINE-NECHES			1,400	3,967	1,400	3,967	0	0	0	0	0	0
447 RUSK			52	89	27	54	5	5	20	30	10	27
448 PANOLA			0	0	0	0	0	0	0	0	0	0
449 SHELBY			50	35	25	15	10	5	15	15	60	20
450 BRAZOS COUNTY			11,792	8,430	1,845	1,434	4,667	3,237	5,280	3,759	50	0
451 ROBERTSON COUNTY			20,882	15,799	2,533	1,900	18,349	13,899	0	0	0	0
ZONE 4 TOTAL			147,675	319,132	89,190	228,465	48,860	78,013	9,625	12,654	44	7,441
501 LIMESTONE-FALLS			5,472	3,656	1,357	851	4,115	2,805	0	0	0	0
504 ELLIS-PRAIRIE			120	200	0	0	0	0	120	200	90	120
505 KAUFMAN-VAN ZANDT			781	781	770	770	11	11	0	0	0	730
506 HAMILTON-CORYELL			1,576	2,640	780	1,205	600	782	196	653	50	1,181
508 LITTLE RIVER-SAN GABRIEL			613	1,378	587	1,362	26	16	0	0	0	547
509 CENTRAL TEXAS			1,512	1,021	1,095	723	417	298	0	0	0	1,434
512 McLENNAN COUNTY			1,050	2,512	775	1,972	255	520	20	20	20	935
513 TAYLOR			880	1,137	492	745	308	292	80	100	20	850
514 NAVARRO			0	0	0	0	0	0	0	0	0	0
518 PALO PINTO			351	580	319	575	32	5	0	0	0	259
519 DALWORTH			207	222	167	162	40	60	0	0	0	35
520 FANNIN COUNTY			1,935	926	1,400	667	535	259	0	0	0	1,645
522 BOSQUE			1,945	1,601	1,639	1,413	306	188	0	0	0	1,423
524 UPPER ELM-RED			2,712	3,514	370	362	2,224	3,060	118	92	38	2,428
525 UPPER LEON			66,586	69,502	18,949	19,195	40,526	43,610	7,111	6,697	46	54,991
529 HOOD-PARKER			4,111	6,777	3,872	6,510	239	267	0	0	0	3,385
530 UPPER SABINE			414	269	414	269	0	0	0	0	0	404
532 LITTLE WICHITA			744	831	400	533	344	298	0	0	0	324
534 HILL COUNTRY			476	421	165	165	64	106	247	150	50	397
535 COLLIN COUNTY			0	0	0	0	0	0	0	0	0	0
537 WILBARGER			15,613	21,295	710	790	14,903	20,505	0	0	0	15,573
538 WICHITA			12,523	31,018	12,523	31,018	0	0	0	0	0	830
539 YOUNG			611	468	283	162	328	306	0	0	0	266
540 HILL COUNTY-BLACKLAND			340	265	215	215	125	50	0	0	0	215
541 JOHNSON			0	0	0	0	0	0	0	0	0	0
542 MILLER-BRAZOS			3,525	1,857	40	20	3,485	1,837	0	0	0	1,190
543 THROCKMORTON			0	0	0	0	0	0	0	0	0	0
544 WICHITA-BRAZOS			42,305	35,361	0	0	42,305	35,361	0	0	0	25,000
545 CALIFORNIA CREEK			8,761	5,324	3,835	1,792	4,926	3,532	0	0	0	5,126
546 HASKELL			28,630	26,040	0	0	28,630	26,040	0	0	0	25,042
547 DENTON COUNTY			745	822	0	0	745	822	0	0	0	745
548 WISE			607	321	360	180	127	54	120	87	10	590
549 JACK			48	4	0	0	48	4	0	0	0	0
550 CENTRAL COLORADO			871	1,089	871	1,089	0	0	0	0	0	815
551 LOWER CLEAR FORK - BRAZOS			1,329	655	1,119	531	124	81	86	43	50	1,329
552 CALLAHAN DIVIDE			1,001	626	210	124	597	383	194	119	50	1,001
553 PECAN BAYOU			6,525	7,355	5,357	5,798	1,168	1,557	0	0	0	1,600
554 MILLS COUNTY			2,651	2,410	2,520	2,346	19	8	112	56	81	1,081
ZONE 5 TOTAL			217,570	232,878	61,594	81,544	147,572	143,117	8,404	8,217	50	151,491
STATE TOTAL			6,081,817	8,795,293	1,130,273	2,152,708	4,761,498	6,193,920	190,046	448,665	79	2,113,603

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989

IRRIGATED CROPS	ANDERSON		ANDREWS		ANGELINA		ARANSAS		ARCHER	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	3,942	3,769	0	0	0	0	0	0
GRAIN SORGHUM	0	0	100	160	0	0	0	0	0	0
CORN	80	80	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	40	0	655	0	0	0	0	0	0	0
OTHER GRAIN	0	0	40	0	0	0	0	0	0	0
FORAGE CROPS	40	0	6	0	0	0	0	0	0	0
PEANUTS	0	0	215	274	0	0	0	0	0	0
SOYBEANS	0	0	25	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	30	62	101	101	0	0	0	0	0	0
VINEYARD	0	0	15	15	0	0	0	0	0	0
OTHER ORCHARD	0	15	5	5	0	0	0	0	0	0
ALFALFA	0	0	196	20	0	0	0	0	0	0
HAY-PASTURE	120	0	0	250	225	0	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	200	200
IRISH POTATOES	80	80	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	205	205	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	280	280	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	15	15	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	890	737	5,300	4,594	225	0	0	0	200	200

IRRIGATED CROPS	ARMSTRONG		ATASCOSA		AUSTIN		BAILEY		BANDERA	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	100	450	267	0	0	0	51,268	30,000	0	0
GRAIN SORGHUM	6,760	5,347	2,500	435	0	0	22,500	42,000	0	0
CORN	100	753	6,500	3,050	0	220	15,000	21,000	0	0
RICE	0	0	0	0	3,000	3,045	0	0	0	0
WHEAT	4,060	7,733	1,000	5,170	0	0	31,000	20,000	0	0
OTHER GRAIN	0	196	1,500	11,275	0	0	2,000	4,000	0	0
FORAGE CROPS	250	0	4,500	2,250	0	0	7,000	10,000	69	27
PEANUTS	0	0	12,781	16,360	15	0	404	250	0	0
SOYBEANS	0	0	0	0	0	0	2,000	3,000	0	0
OTHER OIL CROPS	0	0	0	90	0	0	2,700	500	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	350	0	0	0	0	61	61
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	200	85	0	0	0	0	0	0
ALFALFA	150	60	0	85	0	0	0	0	2	15
HAY-PASTURE	40	0	3,750	3,130	0	0	10,000	6,000	0	0
SUGAR BEETS	0	0	0	0	0	0	1,000	1,050	81	190
IRISH POTATOES	0	0	0	0	0	0	1,200	0	0	0
VEGETABLES (SHALLOW)	0	0	1,750	2,715	0	0	800	800	0	0
VEGETABLES (DEEP)	0	0	2,450	1,840	0	0	800	2,500	0	5
SUGARCANE	0	0	0	0	0	0	1,200	800	0	0
ALL OTHER CROPS	0	0	1,036	435	0	0	0	0	0	0
TOTAL CROP ACRES	11,460	14,539	38,234	47,270	3,015	3,265	148,872	141,900	213	298

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	BASTROP		BAYLOR		BEE		BELL		BEXAR	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	1,580	2,050	120	108	0	0	0	80
GRAIN SORGHUM	120	0	405	400	2,605	915	0	0	131	416
CORN	0	0	0	0	1,024	550	0	0	8,112	5,930
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	640	740	0	0	0	0	0	0
OTHER GRAIN	0	0	0	0	0	56	0	0	860	0
FORAGE CROPS	0	0	110	110	125	136	0	0	966	1,060
PEANUTS	80	80	240	130	0	0	0	0	716	639
SOYBEANS	0	0	0	0	0	0	0	0	0	20
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	750	750	0	0	0	0	0	0	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	0	0	0	50	51	0	0
ALFALFA	150	0	40	0	0	18	0	0	0	0
HAY-PASTURE	498	145	95	95	485	1,149	910	821	7,003	7,363
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	20	0	0	0
VEGETABLES (SHALLOW)	0	20	0	0	10	40	0	25	856	550
VEGETABLES (DEEP)	0	0	0	0	20	15	0	0	1,284	968
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	65	110	0	0	516	649
TOTAL CROP ACRES	1,598	995	3,110	3,525	4,454	3,097	980	897	20,444	17,675

	BLANCO		BORDEN		BOSQUE		BOWIE		BRAZORIA	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	531	531	0	0	331	563	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	2,813	1,885	37,825	31,237
WHEAT	0	0	0	0	265	0	0	0	0	0
OTHER GRAIN	0	0	0	0	270	0	0	0	0	0
FORAGE CROPS	63	38	0	0	0	117	0	0	0	0
PEANUTS	0	0	0	0	379	503	0	0	0	0
SOYBEANS	0	0	0	0	0	0	340	500	0	180
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	22	22	0	0	587	520	0	0	0	90
VINEYARD	40	75	0	0	0	0	0	0	0	0
OTHER ORCHARD	54	54	0	0	0	2	0	48	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
HAY-PASTURE	34	59	0	0	486	319	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	20	0	0	0	0	0	0	400	400
VEGETABLES (DEEP)	20	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	8	0	6,049	460
TOTAL CROP ACRES	233	268	531	531	1,987	1,461	3,492	2,996	44,274	32,367



Table 4. — County Acreages of Irrigated Crops — 1984 and 1989... (Continued)

	BRAZOS		BREWSTER		BRISCOE		BROOKS		BROWN	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	8,590	9,286	0	0	26,304	19,082	0	0	0	0
GRAIN SORGHUM	0	200	0	0	9,806	5,078	90	0	0	0
CORN	1,168	1,496	0	0	2,146	3,216	0	0	381	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	17,333	6,216	0	0	395	333
OTHER GRAIN	0	0	0	0	0	0	0	0	93	0
FORAGE CROPS	0	0	0	0	2,500	5,000	0	40	1,075	850
PEANUTS	0	0	0	0	342	552	0	0	631	1,018
SOYBEANS	0	600	0	0	1,000	2,932	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	1,609	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	50	64	85	26	26	0	4	1,893	2,400
VINEYARD	20	60	0	2	0	0	0	20	0	0
OTHER ORCHARD	0	0	34	33	0	0	0	0	0	0
ALFALFA	0	0	10	0	300	180	0	0	70	0
HAY-PASTURE	0	0	125	0	100	200	330	358	1,993	1,924
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	275	75	60	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	15	100	0	0	1	1	0	100	0	0
TOTAL CROP ACRES	9,793	11,792	233	120	60,133	44,167	480	522	6,531	6,525

	BURLESON		BURNET		CALDWELL		CALHOUN		CALLAHAN	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	7,076	7,130	0	0	50	0	0	0	0	0
GRAIN SORGHUM	3,010	1,444	0	0	50	0	348	0	0	0
CORN	205	1,834	0	0	0	0	1,750	0	0	0
RICE	0	0	0	0	0	0	6,908	6,371	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	138	248	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	535	651
SOYBEANS	252	600	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	1,042	219	39	39	35	475	0	0	0	0
VINEYARD	3	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	30	0	0	0	10	11	0	0	0	0
ALFALFA	96	0	0	0	35	0	0	0	20	50
HAY-PASTURE	25	0	101	185	190	203	155	0	291	300
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	138	384	0	0	0	0
TOTAL CROP ACRES	11,739	11,227	140	224	646	1,321	9,161	6,371	846	1,001

Table 4. --- County Acreages of Irrigated Crops --- 1984 and 1989...(Continued)

	CAMERON		CAMP		CARSON		CASS		CASTRO	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	90,500	109,250	0	0	0	0	0	0	51,912	48,415
GRAIN SORGHUM	60,000	35,215	0	0	50,200	49,000	0	0	16,938	11,284
CORN	50,000	38,252	0	0	1,500	4,000	0	0	78,828	78,399
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	50,800	45,000	0	0	54,129	59,384
OTHER GRAIN	0	0	0	0	195	300	0	0	5,177	0
FORAGE CROPS	20,000	25,000	0	0	11,800	10,000	0	0	20,000	1,167
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	7,707	1,665	0	0	450	150	0	0	3,112	2,500
OTHER OIL CROPS	0	0	0	0	0	0	0	0	3,233	134
CITRUS	5,000	5,280	0	0	0	0	0	0	0	0
PECANS	0	50	15	50	0	0	0	0	50	50
VINEYARD	0	0	0	0	0	0	0	0	50	30
OTHER ORCHARD	0	0	45	30	0	0	0	0	0	25
ALFALFA	0	0	0	0	550	450	0	0	1,000	500
HAY-PASTURE	15,000	15,950	0	0	115	700	0	0	2,000	9,300
SUGAR BEETS	0	0	0	0	0	0	0	0	10,536	12,100
IRISH POTATOES	0	0	0	0	0	0	0	0	5,000	5,000
VEGETABLES (SHALLOW)	10,000	12,590	4	0	0	0	0	0	786	300
VEGETABLES (DEEP)	10,000	12,500	3	0	0	0	0	0	2,000	900
SUGARCANE	7,500	11,896	0	0	0	0	0	0	0	0
ALL OTHER CROPS	8,000	16,052	0	41	1	5	0	0	2	2,376
TOTAL CROP ACRES	283,707	283,700	67	121	115,611	109,605	0	0	254,753	231,864

	CHAMBERS		CHEROKEE		CHILDRESS		CLAY		COCHRAN	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	7,923	3,725	0	0	83,000	21,530
GRAIN SORGHUM	0	0	0	0	0	0	0	0	17,500	17,150
CORN	0	0	0	0	0	0	0	0	0	0
RICE	32,313	25,650	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	2,307	490	70	0	6,000	0
OTHER GRAIN	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	230	230	200	0	0	0
PEANUTS	0	0	0	0	0	1,550	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	1,200
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	0	0	0	0
VINEYARD	0	0	0	0	0	0	0	160	0	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	1	5
ALFALFA	0	0	28	28	0	0	274	184	0	0
HAY-PASTURE	0	0	60	60	310	410	0	0	400	450
SUGAR BEETS	0	0	0	0	0	0	100	200	0	15
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	6	6	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	300
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	80	80	180	180	0	0	0	0	0	0
TOTAL CROP ACRES	32,393	25,730	274	274	10,770	6,405	644	544	106,901	40,650

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	COKE		COLEMAN		COLLIN		COLLINGSWORTH		COLORADO	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	150	270	85	0	0	0	3,349	3,378	0	0
GRAIN SORGHUM	120	0	530	0	0	0	180	60	0	100
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	36,476	34,441
WHEAT	0	27	0	0	0	0	315	233	0	0
OTHER GRAIN	0	0	452	0	0	0	75	0	0	0
FORAGE CROPS	0	0	226	0	0	0	95	0	0	0
PEANUTS	0	0	0	0	0	0	665	6,641	0	0
SOYBEANS	0	0	0	0	0	0	0	278	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	20	40	20	0	0	0	0	0	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	20	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	30	0	0	0	635	384	0	0
HAY-PASTURE	0	53	1,286	871	0	0	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	25	25	0
TOTAL CROP ACRES	310	390	2,629	871	0	0	5,314	10,999	36,501	34,541

	COMAL		COMANCHE		CONCHO		COOKE		CORYELL	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	1,018	1,641	0	0	0	0
GRAIN SORGHUM	0	0	0	0	722	917	0	0	200	200
CORN	60	45	580	300	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	16	0	0	0	178	518	0	0	0	0
OTHER GRAIN	80	55	0	0	0	0	0	0	0	0
FORAGE CROPS	173	17	0	165	26	60	170	80	0	0
PEANUTS	0	0	23,934	24,505	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	10	0	8,192	10,012	0	0	90	0	0	0
VINEYARD	0	0	0	50	0	10	0	0	10	11
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	19
ALFALFA	0	8	340	0	0	0	70	160	0	0
HAY-PASTURE	254	258	7,540	8,000	560	378	160	0	100	80
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	50	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	11	7	500	0	0	0	0	0	0	0
TOTAL CROP ACRES	604	390	41,086	43,032	2,504	3,524	540	240	310	310

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	COTTLE		CRANE		CROCKETT		CROSBY		CULBERSON	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	964	360	0	0	0	0	130,247	101,540	2,195	3,317
GRAIN SORGHUM	150	0	0	0	0	0	8,800	12,094	4,137	245
CORN	0	0	0	0	0	0	1,100	146	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	120	0	100	8	0	251	1,000	140	580	1,935
OTHER GRAIN	0	0	0	0	0	0	0	0	40	0
FORAGE CROPS	60	0	4	0	90	0	0	0	0	2,455
PEANUTS	0	0	0	0	0	0	186	135	0	0
SOYBEANS	0	0	0	0	0	0	500	2,000	0	0
OTHER OIL CROPS	0	0	0	0	0	0	2,000	2,500	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	14	14	2	2	0	0	135	135	784	893
VINEYARD	0	0	2	2	0	0	0	0	114	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	426	349	0	0	0	0	450	400	1,370	168
HAY-PASTURE	80	60	7	0	360	90	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	125	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	450	600	409	0
VEGETABLES (DEEP)	18	0	0	0	0	0	550	750	365	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	18	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	1,832	801	115	12	450	341	145,418	120,440	10,119	9,013

	DALLAM		DALLAS		DAWSON		DEAF SMITH		DELTA	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	24,640	30,540	12,000	4,978	0	0
GRAIN SORGHUM	51,695	29,235	0	0	3,910	1,500	70,000	48,836	0	0
CORN	67,000	63,332	0	0	0	0	43,000	22,086	0	0
RICE	0	0	0	0	0	0	0	0	1,300	1,400
WHEAT	77,000	76,920	0	0	4,600	500	111,000	89,130	0	0
OTHER GRAIN	1,600	925	0	0	0	0	12,000	2,124	0	0
FORAGE CROPS	10,000	26,190	0	0	0	0	12,000	6,547	0	0
PEANUTS	900	62	0	0	0	0	0	0	0	0
SOYBEANS	600	615	0	0	0	0	7,000	1,389	0	0
OTHER OIL CROPS	0	0	0	0	0	0	1,000	558	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	40	40	320	600	70	70	0	0
VINEYARD	0	0	0	0	0	120	10	25	0	0
OTHER ORCHARD	0	0	0	0	0	0	10	10	0	0
ALFALFA	1,500	3,000	0	0	270	100	7,000	7,000	0	0
HAY-PASTURE	2,000	2,000	0	0	0	0	1,000	1,000	0	0
SUGAR BEETS	0	0	0	0	0	0	13,000	17,953	0	0
IRISH POTATOES	1,000	1,000	0	0	0	0	2,000	2,000	0	0
VEGETABLES (SHALLOW)	0	0	20	20	0	0	1,265	500	0	0
VEGETABLES (DEEP)	0	1,126	0	0	0	0	1,170	1,935	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	80	110	20	20	0	0	10	10	0	0
TOTAL CROP ACRES	213,375	204,515	80	80	33,740	33,360	293,535	206,151	1,300	1,400

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	DENTON		DEWITT		DICKENS		DIMMIT		DONLEY	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	6,478	4,730	4,123	2,204	4,865	4,800
GRAIN SORGHUM	0	0	0	0	209	0	854	490	2,614	4,000
CORN	0	0	0	0	0	0	2,100	0	413	500
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	587	547	400	0	2,286	4,500
OTHER GRAIN	0	0	0	50	80	0	70	580	20	100
FORAGE CROPS	0	0	90	90	754	345	840	630	52	0
PEANUTS	170	490	20	20	0	0	0	0	383	5,000
SOYBEANS	0	0	0	0	0	100	0	0	46	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	250	144	0	0
PECANS	0	0	0	5	66	71	700	528	0	0
VINEYARD	0	0	0	0	1	1	0	0	0	0
OTHER ORCHARD	0	0	0	50	0	0	0	0	0	3
ALFALFA	20	0	0	0	1,045	680	0	0	1,110	2,500
HAY-PASTURE	20	0	335	450	245	320	130	760	0	1,700
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	15	0	0	7	320	2,534	1,413	6	300
VEGETABLES (DEEP)	0	0	0	0	0	0	1,790	706	0	157
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	360	240	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	570	745	445	665	9,472	7,114	13,791	7,455	11,795	23,560

	DUVAL		EASTLAND		ECTOR		EDWARDS		ELLIS	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	40	130	0	0	0	0
GRAIN SORGHUM	0	0	0	0	22	40	0	0	0	0
CORN	450	0	250	250	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	300	0	0	0	40	0	0	0	0
OTHER GRAIN	565	0	0	0	38	80	0	0	0	0
FORAGE CROPS	450	0	0	0	143	120	0	0	0	0
PEANUTS	395	700	10,589	10,694	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	600	690	0	59	0	0
VINEYARD	0	0	0	0	18	31	0	0	0	0
OTHER ORCHARD	0	0	0	0	26	30	53	0	0	0
ALFALFA	0	0	0	0	583	465	0	0	0	0
HAY-PASTURE	945	275	700	750	897	1,151	0	25	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	805	120	200	200	0	12	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	42	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	2,440	200	200	0	0	0	0	0	120
TOTAL CROP ACRES	3,610	3,835	11,939	12,094	2,367	2,831	53	84	0	120

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	EL PASO		ERATH		FALLS		FANNIN		FAYETTE	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	23,063	30,155	0	0	2,765	5,405	0	0	0	0
GRAIN SORGHUM	3,208	203	200	408	400	507	830	250	115	50
CORN	650	213	0	0	3,070	0	0	0	403	315
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	5,617	250	0	0	0	0	0	0	130	0
OTHER GRAIN	300	1,235	100	0	0	0	0	0	0	0
FORAGE CROPS	488	2,218	846	1,550	0	0	200	0	200	0
PEANUTS	0	0	6,084	7,214	0	0	1,658	985	0	39
SOYBEANS	0	0	0	0	0	0	1,040	200	100	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	5,955	5,556	485	297	0	0	400	400	0	0
VINEYARD	20	2	56	60	0	0	0	0	0	0
OTHER ORCHARD	25	20	31	117	0	0	0	0	0	0
ALFALFA	9,317	6,014	360	50	0	0	150	50	0	0
HAY-PASTURE	650	969	5,933	5,952	400	300	100	50	361	477
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	745	621	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	1,991	242	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	50	0	25	0	25	100	0	0	0
TOTAL CROP ACRES	52,029	47,748	14,095	15,673	6,635	6,237	4,478	1,935	1,309	881

	FISHER		FLOYD		FOARD		FORT BEND		FRANKLIN	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	70	100	110,000	100,000	1,100	800	564	727	0	0
GRAIN SORGHUM	0	0	15,000	44,225	200	0	190	512	0	0
CORN	0	0	20,000	15,000	0	0	523	695	0	0
RICE	0	0	0	0	0	0	21,219	13,715	0	0
WHEAT	70	0	25,000	13,000	400	400	15	142	0	0
OTHER GRAIN	0	0	1,000	2,300	0	0	0	0	0	0
FORAGE CROPS	50	70	500	1,000	60	60	39	172	0	0
PEANUTS	0	0	50	75	0	0	0	0	0	0
SOYBEANS	0	0	12,000	3,700	0	0	0	814	0	0
OTHER OIL CROPS	0	0	4,000	2,250	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	200	3	10	0	0	20	200	0	0
VINEYARD	0	0	0	40	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	663	880	150	200	2,100	2,480	0	0	0	0
HAY-PASTURE	480	355	200	200	160	160	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	2,000	2,000	0	0	1,426	930	0	0
VEGETABLES (DEEP)	0	0	1,500	1,500	100	100	286	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	100	100	1,775	833	0	70
TOTAL CROP ACRES	1,333	1,605	191,403	185,500	4,220	4,100	26,057	18,740	0	70

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	FREESTONE		FRIO		GAINES		GALVESTON		GARZA	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	2,420	4,780	184,640	184,540	0	0	6,010	6,220
GRAIN SORGHUM	0	0	6,000	4,550	7,000	8,000	0	0	65	36
CORN	0	0	8,500	6,550	0	0	0	0	0	0
RICE	0	0	0	0	0	0	5,207	4,409	0	0
WHEAT	0	0	3,000	2,000	41,500	10,000	0	0	0	90
OTHER GRAIN	0	0	2,550	2,000	0	0	0	0	0	0
FORAGE CROPS	0	0	6,000	3,500	0	0	0	0	0	0
PEANUTS	0	0	16,414	18,640	27,000	17,000	0	0	0	0
SOYBEANS	0	0	0	0	500	0	0	0	0	0
OTHER OIL CROPS	0	0	1,650	1,505	130	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	500	656	450	600	0	0	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	25	0	0	0	0	0	0	0	0
ALFALFA	0	0	300	230	4,000	3,100	0	0	30	20
HAY-PASTURE	0	0	5,123	5,000	400	600	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	3,800	2,800	500	2,000	0	0	0	0
VEGETABLES (SHALLOW)	0	0	2,200	2,200	3,300	4,925	70	90	0	0
VEGETABLES (DEEP)	0	0	3,720	3,500	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	500	60	0	0	0
TOTAL CROP ACRES	0	25	62,177	57,911	269,420	231,265	5,337	4,499	6,105	6,366

	GILLESPIE		GLASSCOCK		GOLIAD		GONZALES		GRAY	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	29,277	25,169	0	0	0	0	283	129
GRAIN SORGHUM	0	0	1,499	541	0	0	100	0	8,017	8,589
CORN	0	0	0	16	562	200	700	550	480	1,628
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	255	49	0	211	0	100	8,621	10,350
OTHER GRAIN	85	85	0	12	350	0	0	0	0	297
FORAGE CROPS	210	25	50	110	40	170	300	740	0	0
PEANUTS	0	0	0	0	0	0	200	90	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	110
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	20	20	135	135	40	43	275	260	0	0
VINEYARD	40	50	0	0	0	0	0	7	0	0
OTHER ORCHARD	441	251	0	0	0	20	0	0	0	0
ALFALFA	0	155	200	65	0	0	100	0	1,020	1,151
HAY-PASTURE	395	440	0	0	0	317	765	1,565	0	260
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	10	20	438	438	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	8	0	0	2	0
TOTAL CROP ACRES	1,201	1,046	31,854	26,535	992	969	2,440	3,312	18,423	22,514

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	GRAYSON		GREGG		GRIMES		GUADALUPE		HALE	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	0	120	183,895	49,000
GRAIN SORGHUM	147	0	0	0	0	0	834	110	22,550	43,000
CORN	9	0	0	0	550	0	172	40	75,175	72,150
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	467	0	48,600	32,100
OTHER GRAIN	0	0	0	0	0	0	10	0	0	0
FORAGE CROPS	0	0	0	0	30	0	1,213	310	300	0
PEANUTS	988	840	0	0	0	0	0	0	900	0
SOYBEANS	40	0	0	0	0	0	0	0	25,050	123,450
OTHER OIL CROPS	0	0	0	0	0	0	0	0	500	29,000
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	4	0	447	419	140	150
VINEYARD	20	15	0	0	0	0	6	0	120	80
OTHER ORCHARD	27	20	0	0	0	0	146	125	0	0
ALFALFA	30	30	0	0	40	0	70	0	3,000	900
HAY-PASTURE	80	48	0	0	0	8	2,135	1,289	500	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	200
IRISH POTATOES	0	0	0	0	0	0	0	0	1,600	300
VEGETABLES (SHALLOW)	2	0	0	0	0	113	6	50	1,370	300
VEGETABLES (DEEP)	1	0	0	0	0	18	180	0	630	200
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	889	1,120	0	0	0	0	72	25	0	0
TOTAL CROP ACRES	2,233	2,073	0	0	624	139	5,758	2,488	364,330	350,830

	HALL		HAMILTON		HANSFORD		HARDEMAN		HARDIN	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	11,840	11,074	0	0	0	0	5,078	5,013	0	0
GRAIN SORGHUM	690	357	0	0	77,000	53,996	100	0	0	0
CORN	0	0	0	0	2,000	15,000	0	0	0	0
RICE	0	0	0	0	0	0	0	0	393	961
WHEAT	2,355	170	70	70	62,200	81,296	779	1,527	0	0
OTHER GRAIN	63	65	0	0	4,000	1,000	60	0	0	0
FORAGE CROPS	925	484	0	0	4,000	4,000	182	0	0	0
PEANUTS	209	2,305	0	0	0	0	2	312	0	0
SOYBEANS	0	0	0	0	1,300	600	0	96	0	0
OTHER OIL CROPS	0	0	0	0	0	100	0	85	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	190	190	0	0	0	10	10	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	25	25	0	0	0	13	12	0
ALFALFA	621	436	0	0	1,300	1,500	350	91	0	0
HAY-PASTURE	378	252	911	911	200	500	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	13	20	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	200	0	0	15	0
VEGETABLES (DEEP)	0	0	70	70	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	6	8	120	0	0	0
TOTAL CROP ACRES	17,094	15,163	1,266	1,266	152,006	158,200	6,671	7,147	430	961



Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	HARRIS		HARRISON		HARTLEY		HASKELL		HAYS	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	13,592	12,450	0	0
GRAIN SORGHUM	0	0	0	0	52,000	20,000	3,601	3,150	0	0
CORN	0	0	0	0	25,000	32,000	81	0	0	0
RICE	14,375	11,670	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	80,900	81,955	3,010	2,775	0	0
OTHER GRAIN	0	0	0	0	700	992	0	225	0	0
FORAGE CROPS	0	0	0	0	35,000	10,000	820	950	475	0
PEANUTS	0	0	0	0	1,207	8	450	6,100	0	0
SOYBEANS	0	0	0	0	500	2,500	0	0	0	0
OTHER OIL CROPS	0	0	0	0	400	400	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	10	0	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	16
ALFALFA	0	0	0	0	3,000	1,000	500	310	0	0
HAY-PASTURE	0	0	8	24	1,000	3,000	2,000	2,000	475	176
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	300	300	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	250	370	0	0
VEGETABLES (DEEP)	0	0	0	0	250	0	30	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	2,000	800	40	0	43	45	0	0	75	75
TOTAL CROP ACRES	16,375	12,470	48	24	200,000	151,900	24,644	28,630	1,025	267

	HEMPHILL		HENDERSON		HIDALGO		HILL		HOCKLEY	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	62	75	0	0	65,000	65,000	0	0	135,000	100,919
GRAIN SORGHUM	498	132	0	0	100,000	102,500	0	0	10,500	30,000
CORN	0	0	0	0	51,000	91,100	0	0	0	100
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	1,635	899	0	0	0	200	0	0	2,800	2,000
OTHER GRAIN	394	174	0	0	0	0	0	0	0	0
FORAGE CROPS	30	455	0	0	20,000	20,000	0	0	0	0
PEANUTS	0	0	0	0	0	480	0	125	0	200
SOYBEANS	0	0	0	0	2,000	2,000	0	0	500	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	32,100	32,100	0	0	0	0
PECANS	0	0	0	0	0	0	0	0	50	50
VINEYARD	0	0	0	0	0	0	0	100	50	200
OTHER ORCHARD	0	0	0	0	100	420	0	0	0	0
ALFALFA	316	455	0	0	2,063	2,000	0	0	1,400	1,500
HAY-PASTURE	844	0	0	0	34,100	34,295	0	115	0	500
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	45,000	45,000	0	0	500	100
VEGETABLES (DEEP)	0	0	0	0	45,200	45,200	0	0	0	0
SUGARCANE	0	0	0	0	24,000	27,103	0	0	0	0
ALL OTHER CROPS	0	0	13	13	9,000	9,000	0	0	100	25
TOTAL CROP ACRES	3,779	2,190	13	13	429,563	476,398	0	340	150,900	135,594

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	HOOD		HOPKINS		HOUSTON		HOWARD		HUDSPETH	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	190	1,183	10,649	25,819
GRAIN SORGHUM	0	0	0	0	0	0	0	0	1,198	0
CORN	0	0	0	0	0	0	0	0	191	289
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	20	0	0	0	0	0	0	0	3,710	419
OTHER GRAIN	0	0	0	0	0	0	0	0	520	1,553
FORAGE CROPS	20	0	0	0	0	0	35	0	1,580	1,132
PEANUTS	65	55	0	0	171	226	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	2,725	2,648	0	0	0	0	95	105	150	168
VINEYARD	20	2	1	0	0	0	0	3	36	38
OTHER ORCHARD	23	0	0	0	0	50	0	301	0	0
ALFALFA	0	0	0	0	0	0	150	470	16,133	9,773
HAY-PASTURE	350	530	136	0	0	215	36	49	4,080	386
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	24	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	182	60	0	0	70	690
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	200	760	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	3,423	3,995	137	0	353	551	506	2,111	38,341	40,267

	HUNT		HUTCHINSON		IRION		JACK		JACKSON	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	128	0	0	0	100
GRAIN SORGHUM	0	0	20,500	8,015	220	0	0	0	0	0
CORN	0	0	600	4,581	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	30,435	24,586
WHEAT	0	0	21,900	20,040	597	950	0	0	0	0
OTHER GRAIN	0	0	0	1,129	326	81	0	0	0	0
FORAGE CROPS	0	0	1,200	582	499	561	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	0	0	200	236	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	91	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	44	56	0	0	0	60
VINEYARD	0	5	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	5	0	0	0	0	0	48	0	0
ALFALFA	0	0	300	186	104	70	0	0	0	0
HAY-PASTURE	0	0	175	100	158	229	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	155	404	20	40	0	0	0	0	250	380
TOTAL CROP ACRES	155	414	44,895	35,000	1,948	2,075	0	48	30,685	25,126

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	JASPER		JEFF DAVIS		JEFFERSON		JIM HOGG		JIM WELLS	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	640	0
WHEAT	0	0	0	0	30,830	0	0	0	0	0
OTHER GRAIN	0	0	720	0	0	32,680	0	0	0	0
FORAGE CROPS	0	0	20	0	0	0	50	0	550	0
PEANUTS	0	0	0	3,020	0	0	50	0	600	320
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	0	0	0	0
VINEYARD	0	0	31	25	0	0	0	0	0	0
OTHER ORCHARD	0	0	88	52	0	0	0	0	0	0
ALFALFA	0	0	57	7	0	0	0	0	0	185
HAY-PASTURE	0	0	810	0	0	0	0	0	0	0
SUGAR BEETS	0	0	20	0	0	0	50	80	2,640	780
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	230	0	0	0	0	0	200	0
SUGARCANE	0	0	0	0	0	0	350	40	650	610
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	135	35	0	8	0	220	0	0	225	0
	135	35	1,976	3,112	30,830	32,900	500	120	5,505	1,895

	JOHNSON		JONES		KARNES		KAUFMAN		KENDALL	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	2,785	3,085	0	0	0	0	0	0
GRAIN SORGHUM	0	0	1,050	1,400	90	238	645	0	0	0
CORN	0	0	0	0	30	465	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN	0	0	760	1,275	260	72	0	0	0	0
FORAGE CROPS	0	0	144	0	0	444	0	0	0	0
PEANUTS	0	0	250	0	1,307	14	0	0	0	0
SOYBEANS	0	0	750	1,136	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	0	0	0	0
VINEYARD	0	0	0	0	5	5	5	31	49	25
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	5
ALFALFA	0	0	0	0	0	0	72	94	0	0
HAY-PASTURE	0	0	115	115	0	150	0	400	0	25
SUGAR BEETS	0	0	1,500	1,750	159	288	175	256	65	164
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	60	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	0	0	0	0	0	0	0	0	0	0
	0	0	7,354	8,761	1,851	1,736	897	781	114	219

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	KENEDY		KENT		KERR		KIMBLE		KING	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	173	0	0	0	0	0	230	0
GRAIN SORGHUM	0	0	15	0	0	0	0	0	0	0
CORN	0	0	0	0	12	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	35	0	0	0	0	240	0
OTHER GRAIN	0	0	0	167	45	45	0	0	0	0
FORAGE CROPS	0	0	125	13	119	92	778	420	55	0
PEANUTS	0	0	122	146	0	0	0	0	20	30
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	16	37	49	62	309	311	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	0	20	73	59	59	0	0
ALFALFA	0	0	139	104	15	0	0	0	55	0
HAY-PASTURE	0	0	8	28	566	291	768	824	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	0	0	598	530	826	563	1,914	1,614	600	30

	KINNEY		KLEBERG		KNOX		LAMAR		LAMB	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	1,000	0	135	20,000	21,000	0	0	114,950	92,000
GRAIN SORGHUM	100	60	150	0	4,000	4,000	0	0	25,000	13,000
CORN	1,666	300	150	120	600	600	160	0	50,000	45,000
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	200	0	0	0	9,000	9,000	0	0	40,000	15,000
OTHER GRAIN	80	440	0	0	200	200	0	0	1,000	0
FORAGE CROPS	2,435	2,725	0	0	1,500	580	0	0	2,000	2,000
PEANUTS	0	0	0	0	200	200	700	960	0	700
SOYBEANS	0	0	0	0	0	0	0	0	6,000	12,000
OTHER OIL CROPS	0	0	0	0	500	500	0	0	3,000	1,000
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	12	12	0	0	15	15	0	0	200	200
VINEYARD	0	0	0	0	0	0	0	0	1,500	200
OTHER ORCHARD	0	0	0	0	10	10	0	0	0	0
ALFALFA	0	0	0	0	100	100	0	0	25,000	15,000
HAY-PASTURE	127	566	160	325	2,000	2,000	900	900	2,600	1,000
SUGAR BEETS	0	0	0	0	0	0	0	0	100	100
IRISH POTATOES	0	0	0	0	2,000	2,000	0	0	4,000	4,000
VEGETABLES (SHALLOW)	180	300	140	462	600	600	0	0	4,000	3,000
VEGETABLES (DEEP)	90	0	0	0	500	500	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	140	0	1,000	1,000	0	0	50	0
TOTAL CROP ACRES	4,890	5,403	740	1,042	42,225	42,305	1,760	1,860	279,400	204,200

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	LAMPASAS		LA SALLE		LAVACA		LEE		LEON	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	4,100	2,100	0	0	0	0	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	6,000	3,972	0	0	0	0
WHEAT	0	0	0	260	0	0	0	0	0	0
OTHER GRAIN	0	0	0	2,750	0	0	0	0	0	0
FORAGE CROPS	19	200	970	820	40	20	0	0	0	0
PEANUTS	112	20	620	1,100	80	26	20	138	0	0
SOYBEANS	30	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	15	0	3	34	350	20	25	0	0
VINEYARD	0	0	0	2	0	0	0	0	0	0
OTHER ORCHARD	15	0	0	10	30	100	0	15	0	0
ALFALFA	0	0	0	0	0	0	0	0	0	0
HAY-PASTURE	25	12	420	400	120	30	138	257	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	300	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	700	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	400	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	5	0	60	0	0	0	0	0	0
TOTAL CROP ACRES	201	252	6,510	8,505	6,304	4,498	178	435	0	0

	LIBERTY		LIMESTONE		LIPSCOMB		LIVE OAK		LLANO	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	0	0	3,275	1,820	0	0	0	0
CORN	0	0	0	0	0	0	350	0	0	0
RICE	25,066	23,215	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	14,345	11,347	0	0	0	0
OTHER GRAIN	0	0	0	0	0	132	0	0	0	0
FORAGE CROPS	0	0	0	0	480	0	0	0	160	160
PEANUTS	0	0	0	0	0	0	0	0	455	455
SOYBEANS	0	0	0	0	0	171	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	0	0	15	15
VINEYARD	0	0	0	0	0	0	0	0	31	61
OTHER ORCHARD	0	15	0	0	0	0	0	0	0	10
ALFALFA	0	0	0	0	2,615	2,000	0	0	0	0
HAY-PASTURE	0	0	0	0	840	2,210	880	1,911	50	40
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	220	260	0	0	10	0	0	0	0	0
TOTAL CROP ACRES	25,286	23,490	0	0	21,565	17,680	1,230	1,911	711	741

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	LOVING		LUBBOCK		LYNN		MCCULLOCH		MCLENNAN	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	20	138,090	125,370	67,100	47,807	0	0	0	0
GRAIN SORGHUM	0	0	12,550	20,000	16,640	1,136	0	0	0	0
CORN	0	0	5,000	6,700	0	0	0	0	90	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	4,900	3,160	0	138	500	500	0	0
OTHER GRAIN	0	0	0	0	40	0	400	400	0	20
FORAGE CROPS	0	0	500	0	0	0	700	500	0	0
PEANUTS	0	0	0	0	0	0	600	816	90	120
SOYBEANS	0	0	2,000	5,000	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	250	541	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	700	1,000	25	65	0	0	65	65
VINEYARD	0	0	400	2,000	125	125	0	0	0	0
OTHER ORCHARD	0	0	150	200	0	0	5	0	70	50
ALFALFA	0	0	1,540	1,710	800	520	0	0	600	0
HAY-PASTURE	0	0	0	2,100	0	0	768	338	210	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	120	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	300	2,000	0	0	0	8	0	0
VEGETABLES (DEEP)	0	0	200	0	0	0	0	0	40	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	2,000	1,430	0	0	0	0	90	795
TOTAL CROP ACRES	0	20	168,450	170,670	84,980	50,332	2,973	2,562	1,255	1,050

	MCMULLEN		MADISON		MARION		MARTIN		MASON	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	13,144	9,192	0	0
GRAIN SORGHUM	0	0	0	0	0	0	450	350	28	67
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	747	500	0	650
OTHER GRAIN	0	0	0	0	0	0	441	320	0	0
FORAGE CROPS	0	0	0	0	0	0	297	80	222	0
PEANUTS	0	0	0	0	0	0	0	0	3,936	4,599
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	79	79	8	8
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	25
ALFALFA	0	0	0	0	0	0	814	814	0	0
HAY-PASTURE	0	0	50	30	0	0	160	386	1,049	538
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	40	0	0	0	80	80	0	150
VEGETABLES (DEEP)	0	0	121	0	0	0	0	0	646	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	0	0	211	30	0	0	16,212	11,801	5,889	6,037

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	MATAGORDA		MAVERICK		MEDINA		MENARD		MIDLAND	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	300	0	1,443	4,309	0	0	10,122	9,000
GRAIN SORGHUM	0	0	450	2,338	9,000	2,777	150	0	1,050	400
CORN	0	0	178	829	15,577	24,643	0	0	0	0
RICE	38,407	29,329	0	0	0	0	0	0	0	0
WHEAT	0	0	1,500	2,000	1,200	1,599	40	60	3,105	1,867
OTHER GRAIN	0	0	3,094	4,243	400	715	865	650	1,250	700
FORAGE CROPS	0	0	12,000	11,260	6,500	7,500	514	520	1,300	1,449
PEANUTS	0	0	0	0	2,080	1,105	0	0	0	0
SOYBEANS	0	0	0	0	1,700	2,100	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	5,500	6,424	1,850	2,250	158	158	400	400
VINEYARD	0	0	33	10	2	0	0	35	0	50
OTHER ORCHARD	0	0	5	100	0	12	0	0	50	0
ALFALFA	0	0	6,700	8,100	20	250	75	90	2,317	3,200
HAY-PASTURE	0	0	14,000	12,945	9,200	5,295	1,611	1,965	100	400
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	1,000	3,302	440	560	0	0	0	100
VEGETABLES (DEEP)	0	0	800	0	500	700	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	8,479	3,207	0	742	130	330	0	0	100	100
TOTAL CROP ACRES	46,886	32,536	45,560	52,293	50,042	54,145	3,413	3,478	19,794	17,666

	MILAM		MILLS		MITCHELL		MONTAGUE		MONTGOMERY	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	1,746	1,124	0	0	0	0
GRAIN SORGHUM	200	0	0	0	240	0	0	0	0	0
CORN	270	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	130	0	0	50	0	0
OTHER GRAIN	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	275	0	0	299	220	153	0	0	0	0
PEANUTS	0	0	58	0	0	0	109	109	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	122	45	2,347	2,222	25	20	0	10	0	0
VINEYARD	0	0	0	0	0	0	13	21	0	0
OTHER ORCHARD	15	0	0	0	0	0	216	169	13	19
ALFALFA	20	20	0	0	165	91	0	0	0	0
HAY-PASTURE	40	120	218	130	222	234	110	110	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	65	0	0	0	0
VEGETABLES (DEEP)	15	7	35	0	50	21	58	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	80	395	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	1,037	587	2,658	2,651	2,798	1,708	506	469	13	19

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	MOORE		MORRIS		MOTLEY		NACOGDOCHES		NAVARRO	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	7,012	4,315	0	0	0	0
GRAIN SORGHUM	75,000	40,000	0	0	150	0	0	0	0	0
CORN	25,000	47,000	0	0	0	100	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	100,000	68,000	0	0	0	0	0	0	0	0
OTHER GRAIN	4,000	6,000	0	0	0	0	0	0	0	0
FORAGE CROPS	8,000	10,000	0	0	200	200	40	60	0	0
PEANUTS	0	0	200	160	1,251	1,550	0	0	0	0
SOYBEANS	7,000	3,000	0	0	0	0	0	0	0	0
OTHER OIL CROPS	80	2,000	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	0	0	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	20	5	0	13	78	0	0
ALFALFA	0	0	0	0	380	25	0	0	0	0
HAY-PASTURE	1,000	0	20	30	62	300	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	80	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	255	0	400	1,050	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	20	20	0	10	0	0	0	0	0	0
TOTAL CROP ACRES	220,100	176,100	475	220	9,460	7,540	53	138	0	0

	NEWTON		NOLAN		NUECHES		OCHILTREE		OLDHAM	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	1,147	1,247	0	560	0	0	0	0
GRAIN SORGHUM	0	0	145	210	1,300	800	52,599	17,600	2,044	1,000
CORN	0	0	70	29	800	600	285	3,500	0	0
RICE	550	1,100	0	0	0	0	0	0	0	0
WHEAT	0	0	85	165	0	0	47,766	45,774	2,960	3,165
OTHER GRAIN	0	0	0	85	0	0	500	650	0	0
FORAGE CROPS	0	0	165	0	0	0	200	2,000	270	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	550	0	0	0	0	0	0	1,200	0	400
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	12	0	0	0	0	0	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	0	0	292	391	0	0	578	235	555	343
HAY-PASTURE	0	0	379	524	1,300	1,080	222	558	167	100
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	30	0	0	30	0	0	10	1,420	0	0
TOTAL CROP ACRES	1,130	1,100	2,295	2,681	3,400	3,040	102,160	72,937	6,136	5,296



Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	ORANGE		PALO PINTO		PANOLA		PARKER		PARMER	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	0	0	56,110	53,837
GRAIN SORGHUM	0	0	0	0	0	0	0	0	30,879	30,525
CORN	0	0	0	0	0	0	0	0	100,367	99,911
RICE	1,321	1,400	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	84,330	70,852
OTHER GRAIN	0	0	0	0	0	0	0	0	0	1,500
FORAGE CROPS	0	0	0	0	0	0	0	0	4,800	7,200
PEANUTS	0	0	46	46	0	0	260	0	230	300
SOYBEANS	0	0	0	0	0	0	0	0	2,448	9,216
OTHER OIL CROPS	0	0	0	0	0	0	0	0	1,800	4,862
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	12	12	0	0	200	50	0	0
VINEYARD	0	0	0	0	0	0	61	44	0	0
OTHER ORCHARD	0	0	0	0	0	0	10	0	0	0
ALFALFA	0	0	0	0	0	0	10	0	1,200	1,200
HAY-PASTURE	0	0	68	203	32	0	80	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	7,646	7,771
IRISH POTATOES	0	0	0	0	0	0	0	0	0	2,546
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	1,440	1,450
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	720	800
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	90	0	0	0	0	0	0
TOTAL CROP ACRES	1,321	1,400	126	351	32	0	621	116	291,970	291,970

	PECOS		POLK		POTTER		PRESIDIO		RAINS	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	11,116	12,365	0	0	0	0	0	0	0	0
GRAIN SORGHUM	1,235	107	0	0	3,012	2,433	0	0	0	0
CORN	0	0	0	0	0	484	64	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	1,571	281	0	0	5,200	2,273	1,000	1,349	0	0
OTHER GRAIN	2,246	1,072	0	0	100	1,093	255	577	0	0
FORAGE CROPS	1,863	400	0	0	0	0	702	7,866	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	1,879	2,544	0	0	0	0	0	0	0	0
VINEYARD	1,035	1,033	0	0	0	0	14	14	20	20
OTHER ORCHARD	0	10	0	2	0	0	65	0	0	0
ALFALFA	6,096	5,208	0	0	720	400	1,426	1,191	0	0
HAY-PASTURE	1,986	85	0	0	0	0	82	40	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	545	1,133	0	10	0	0	0	0	0	0
VEGETABLES (DEEP)	2,067	1,304	0	0	0	0	2,211	1,891	0	0
SUGARCANE	0	0	0	0	0	0	1,814	2,089	0	0
ALL OTHER CROPS	195	0	76	76	0	0	0	0	0	0
TOTAL CROP ACRES	31,834	25,542	76	88	9,032	6,683	7,633	15,017	20	20

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	RANDALL		REAGAN		REAL		RED RIVER		REEVES	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	944	0	21,905	22,017	0	0	0	0	13,065	14,429
GRAIN SORGHUM	21,401	11,242	1,770	1,595	0	0	0	0	218	0
CORN	1,100	769	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	170	80	0	0
WHEAT	24,355	16,167	460	418	0	0	0	0	157	65
OTHER GRAIN	2,900	537	130	78	0	0	0	0	4,965	490
FORAGE CROPS	2,105	8,000	436	436	0	0	0	0	1,672	745
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	700	168	0	0	0	0	0	0	0	0
OTHER OIL CROPS	500	0	26	47	0	0	0	0	47	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	80	85	42	80	0	0	362	229
VINEYARD	0	25	0	8	0	0	0	0	250	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	41	6
ALFALFA	2,150	2,000	50	50	31	0	0	0	3,435	1,543
HAY-PASTURE	1,000	500	20	20	170	367	205	0	2,596	414
SUGAR BEETS	1,100	259	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	5	220
VEGETABLES (DEEP)	0	0	140	140	0	0	0	0	499	1,405
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	10	80
TOTAL CROP ACRES	58,255	39,667	25,017	24,894	243	447	375	80	27,322	19,626

	REFUGIO		ROBERTS		ROBERTSON		ROCKWALL		RUNNELS	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	16,000	17,295	0	0	301	551
GRAIN SORGHUM	0	0	2,635	3,050	1,500	1,610	0	0	164	164
CORN	0	0	164	278	766	1,376	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	3,901	3,268	0	0	0	0	612	547
OTHER GRAIN	0	0	500	0	0	0	0	0	0	854
FORAGE CROPS	0	0	856	100	0	0	0	0	578	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	0	0	0	0	60	60	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	500	500	0	0	263	230
VINEYARD	0	0	0	0	1	10	0	0	15	91
OTHER ORCHARD	0	0	0	0	11	31	0	0	0	0
ALFALFA	0	0	0	0	0	0	0	0	94	0
HAY-PASTURE	50	0	290	1,600	50	0	0	0	1,008	1,165
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	50	0	0	0	14	14
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	91	20	0	0	0	0	0	0
TOTAL CROP ACRES	50	0	8,437	8,316	18,938	20,882	0	0	3,049	3,616

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	RUSK		SABINE		SAN AUGUSTINE		SAN JACINTO		SAN PATRICIO	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	0	0	1,552	1,598
GRAIN SORGHUM	0	0	0	0	0	0	0	0	1,452	1,609
CORN	0	0	0	0	0	0	0	0	3,030	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	0	0	0	0	0	0	0	0
OTHER GRAIN	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	0	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	0	0	0	0	0	0	0	0
VINEYARD	5	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	42	47	0	0	0	0	0	1	0	10
ALFALFA	0	0	0	0	0	0	0	0	0	50
HAY-PASTURE	0	0	0	0	0	0	0	0	74	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	5	0	0	0	0	0	0	320	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	10
TOTAL CROP ACRES	47	52	0	0	0	0	0	1	6,428	3,277

	SAN SABA		SCHLEICHER		SCURRY		SHACKELFORD		SHELBY	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	302	0	2,800	400	0	0	0	0
GRAIN SORGHUM	304	270	28	205	200	0	20	20	0	0
CORN	0	0	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	1,974	1,652	0	439	0	0	0	0	0	0
OTHER GRAIN	351	300	27	133	0	0	30	30	0	0
FORAGE CROPS	512	410	434	380	0	0	160	160	0	0
PEANUTS	1,045	989	0	0	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	20
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	2,935	3,500	179	172	0	20	0	0	0	0
VINEYARD	0	0	0	0	0	20	0	0	0	0
OTHER ORCHARD	0	0	0	0	0	10	0	0	40	30
ALFALFA	0	1,392	62	30	150	35	52	52	0	0
HAY-PASTURE	1,177	0	0	0	802	300	135	135	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	8,298	8,513	1,032	1,359	3,952	785	397	397	40	50

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	SHERMAN		SMITH		SOMERVELL		STARR		STEPHENS	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	1,000	2,100	115	0
GRAIN SORGHUM	52,000	28,000	0	0	16	0	5,500	1,000	0	0
CORN	18,000	29,000	0	0	0	0	3,000	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	61,890	68,000	0	0	128	120	0	0	0	180
OTHER GRAIN	3,010	2,000	0	0	0	0	0	0	0	0
FORAGE CROPS	3,500	10,000	0	0	0	0	0	650	322	76
PEANUTS	0	0	0	0	374	294	0	0	110	86
SOYBEANS	2,800	5,000	0	0	0	0	0	100	0	0
OTHER OIL CROPS	200	1,000	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	14	50	0	0	50	20	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	470	43	0	0	150	150	0	0
ALFALFA	2,000	8,000	0	0	0	0	0	40	0	0
HAY-PASTURE	800	2,200	225	145	134	70	51	0	732	590
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	75	0	0	0	7,000	9,500	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	10,000	13,000	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	168	0	0	2,000	2,000	0	0
TOTAL CROP ACRES	144,200	153,200	784	406	652	484	28,751	28,560	1,279	932

	STERLING		STONEWALL		SUTTON		SWISHER		TARRANT	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	100	0	0	21,000	39,286	0	0
GRAIN SORGHUM	0	0	38	38	0	0	12,000	13,535	0	0
CORN	0	0	0	0	133	0	32,000	11,728	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	317	277	0	30	0	0	44,000	31,387	0	0
OTHER GRAIN	0	0	0	0	0	60	4,000	8,000	0	0
FORAGE CROPS	364	502	0	30	263	0	5,000	9,000	0	0
PEANUTS	0	0	226	326	0	477	0	0	0	0
SOYBEANS	0	0	0	0	0	0	5,000	1,300	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	32	32	0	0	112	202	0	0	15	15
VINEYARD	0	0	0	0	0	0	25	50	0	0
OTHER ORCHARD	0	0	0	0	0	0	0	0	0	0
ALFALFA	37	46	8	0	16	0	1,000	1,200	40	40
HAY-PASTURE	72	23	0	0	93	93	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	1,000	514	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	200	3,000	72	72
VEGETABLES (DEEP)	0	0	0	0	0	0	200	4,000	72	72
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	822	880	272	524	617	832	125,425	123,000	199	199

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	TAYLOR		TERRELL		TERRY		THROCKMORTON		TITUS	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	125,247	118,936	0	0	0	0
GRAIN SORGHUM	320	320	0	0	8,500	7,400	0	0	0	0
CORN	25	25	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	195	295	0	0	11,000	3,860	0	0	0	0
OTHER GRAIN	0	0	16	0	0	204	0	0	0	0
FORAGE CROPS	210	210	0	52	350	0	0	0	0	0
PEANUTS	0	0	0	0	450	970	0	0	0	0
SOYBEANS	0	0	0	0	0	308	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	0	0	98	98	400	400	0	0	0	0
VINEYARD	0	0	0	0	12	12	0	0	0	0
OTHER ORCHARD	0	0	0	0	40	40	0	0	0	0
ALFALFA	50	0	0	114	300	300	0	0	0	0
HAY-PASTURE	540	0	52	0	500	500	0	0	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	580	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	1,340	1,430	166	264	146,799	132,930	0	0	0	0

	TOM GREEN		TRAVIS		TRINITY		TYLER		UPSHUR	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	11,324	16,570	0	0	0	0	0	0	0	0
GRAIN SORGHUM	7,587	8,250	0	0	0	0	0	0	0	0
CORN	300	200	0	60	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	6,160	4,800	0	0	0	0	0	0	0	0
OTHER GRAIN	240	900	0	0	0	0	0	0	0	0
FORAGE CROPS	3,000	3,950	440	0	0	0	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	870	850	100	358	0	0	0	0	0	0
VINEYARD	0	20	0	0	0	0	0	0	0	0
OTHER ORCHARD	0	0	0	0	0	5	4	4	0	0
ALFALFA	750	400	0	0	0	0	0	0	0	0
HAY-PASTURE	4,000	3,980	300	400	0	0	35	35	0	0
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	0	0	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	250	20	0	0	0	0	0	0
TOTAL CROP ACRES	34,231	39,920	1,090	838	0	5	39	39	0	0

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	UPTON		UVALDE		VAL VERDE		VAN ZANDT		VICTORIA	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	9,847	8,684	14,633	20,356	0	0	0	0	0	0
GRAIN SORGHUM	454	403	3,200	1,529	0	0	0	0	0	0
CORN	0	0	23,205	21,450	0	0	0	0	100	100
RICE	0	0	0	0	0	0	0	0	6,030	4,518
WHEAT	476	585	7,000	5,512	70	70	0	0	0	0
OTHER GRAIN	487	400	500	7,283	122	122	0	0	0	0
FORAGE CROPS	243	243	3,200	3,100	310	310	0	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	60
SOYBEANS	0	0	231	154	0	0	0	0	0	0
OTHER OIL CROPS	12	23	184	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	325	325	1,030	800	40	40	0	0	0	0
VINEYARD	0	0	100	100	15	15	0	0	3	3
OTHER ORCHARD	0	0	20	0	20	20	0	0	0	13
ALFALFA	0	0	50	150	120	120	0	0	0	0
HAY-PASTURE	175	175	2,910	300	450	220	0	0	160	160
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	8,000	6,000	0	0	0	0	0	0
VEGETABLES (DEEP)	20	40	1,000	1,000	0	0	0	0	0	0
SUGARCANE	0	0	0	0	0	0	0	0	0	40
ALL OTHER CROPS	28	28	25	600	5	5	0	30	0	0
TOTAL CROP ACRES	12,067	10,906	65,288	68,334	1,152	922	0	30	6,293	4,894

	WALKER		WALLER		WARD		WASHINGTON		WEBB	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	92	2,580	0	0	0	0
GRAIN SORGHUM	0	0	0	0	0	15	0	0	500	0
CORN	0	0	367	0	0	0	0	0	0	0
RICE	0	0	9,307	6,741	0	0	0	0	0	0
WHEAT	0	0	0	0	0	5	0	0	0	0
OTHER GRAIN	0	0	0	0	0	0	0	0	0	0
FORAGE CROPS	0	0	70	0	0	84	0	0	0	2,494
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	8
CITRUS	0	0	0	0	10	59	115	212	0	20
PECANS	0	0	0	0	0	0	0	0	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	10
OTHER ORCHARD	0	20	15	38	0	0	7	5	0	50
ALFALFA	0	0	0	0	45	228	0	0	0	0
HAY-PASTURE	100	326	0	0	137	145	0	0	3,700	1,293
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	805
VEGETABLES (SHALLOW)	50	0	15	235	0	0	0	0	400	1,950
VEGETABLES (DEEP)	160	0	0	0	0	88	0	0	800	0
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	0	0	0
TOTAL CROP ACRES	310	346	9,774	7,014	284	3,204	122	217	5,400	6,630

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	WHARTON		WHEELER		WICHITA		WILBARGER		WILLACY	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	3,000	2,840	140	772	2,000	1,196	660	3,145	12,000	12,300
GRAIN SORGHUM	2,200	2,700	120	720	200	0	300	322	10,000	10,300
CORN	3,890	9,740	0	180	0	0	200	200	5,000	5,240
RICE	70,900	58,607	0	0	0	0	0	0	0	0
WHEAT	0	0	3,608	1,100	1,400	1,055	430	2,593	0	0
OTHER GRAIN	0	0	0	0	30	440	0	0	0	0
FORAGE CROPS	0	0	260	180	2,500	1,046	160	0	0	0
PEANUTS	0	0	0	0	0	0	0	0	0	0
SOYBEANS	1,150	4,250	0	0	0	0	0	0	235	245
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	1,500	650
PECANS	0	200	0	160	30	61	24	70	0	0
VINEYARD	0	0	0	0	0	0	0	0	0	0
OTHER ORCHARD	40	75	0	10	35	20	20	15	0	0
ALFALFA	0	0	210	152	415	210	11,120	8,593	0	0
HAY-PASTURE	0	55	100	930	10,620	8,495	226	477	1,000	1,000
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	40	35	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	120	120	0	0	0	0	0	0	1,000	1,000
VEGETABLES (DEEP)	100	100	0	0	0	0	50	0	1,000	1,000
SUGARCANE	0	0	0	0	0	0	0	0	4,000	4,000
ALL OTHER CROPS	2,260	4,090	0	0	0	0	0	198	1,500	1,500
TOTAL CROP ACRES	83,700	82,812	4,438	4,204	17,230	12,523	13,190	15,613	37,235	37,235

	WILLIAMSON		WILSON		WINKLER		WISE		WOOD	
	1984	1989	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	0	0	0	0	0	0	0	0	0	0
GRAIN SORGHUM	0	0	1,245	2,134	0	0	0	0	0	0
CORN	0	0	664	1,352	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0	0	0
WHEAT	0	0	230	890	0	0	120	180	0	0
OTHER GRAIN	0	0	20	20	0	0	0	0	0	0
FORAGE CROPS	0	132	1,970	2,293	0	0	385	155	0	0
PEANUTS	0	0	3,976	4,600	0	0	25	90	0	0
SOYBEANS	0	0	0	0	0	0	0	0	0	0
OTHER OIL CROPS	0	0	0	0	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0	0	0
PECANS	21	21	93	93	0	0	0	0	0	10
VINEYARD	0	5	3	3	0	0	0	12	0	0
OTHER ORCHARD	0	0	62	62	0	0	0	5	50	50
ALFALFA	0	0	0	0	0	0	40	40	25	25
HAY-PASTURE	67	0	3,683	2,763	240	0	600	245	70	70
SUGAR BEETS	0	0	0	0	0	0	0	0	0	0
IRISH POTATOES	0	0	0	0	0	0	0	0	0	0
VEGETABLES (SHALLOW)	0	0	0	0	0	0	0	0	0	0
VEGETABLES (DEEP)	0	0	45	0	0	0	0	0	25	25
SUGARCANE	0	0	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	60	60	0	0	0	0	242	242
TOTAL CROP ACRES	88	158	12,051	14,270	240	0	1,170	727	412	422

Table 4. — County Acreages of Irrigated Crops — 1984 and 1989...(Continued)

	YOAKUM		YOUNG		ZAPATA		ZAVALA	
	1984	1989	1984	1989	1984	1989	1984	1989
COTTON	80,000	71,428	0	0	770	277	18,395	10,792
GRAIN SORGHUM	10,000	7,300	0	26	0	0	9,000	1,652
CORN	260	800	0	0	0	0	12,130	7,034
RICE	0	0	0	0	0	0	0	0
WHEAT	4,500	5,000	355	0	0	0	6,000	908
OTHER GRAIN	0	300	0	0	0	0	0	800
FORAGE CROPS	960	1,100	90	65	0	0	2,091	9,500
PEANUTS	2,600	2,620	0	0	42	0	0	0
SOYBEANS	320	107	0	0	0	0	200	0
OTHER OIL CROPS	0	45	0	0	0	0	0	0
CITRUS	0	0	0	0	0	0	0	0
PECANS	640	640	0	220	0	0	6,200	6,200
VINEYARD	0	35	0	22	0	0	0	0
OTHER ORCHARD	160	180	0	0	0	0	0	0
ALFALFA	2,500	3,442	0	0	137	0	0	0
HAY-PASTURE	0	0	130	237	676	45	460	0
SUGAR BEETS	0	0	0	0	0	0	100	0
IRISH POTATOES	260	1,040	0	0	407	0	0	0
VEGETABLES (SHALLOW)	0	0	0	5	974	1,892	3,000	3,500
VEGETABLES (DEEP)	960	1,120	0	36	1,254	443	1,500	3,305
SUGARCANE	0	0	0	0	0	0	0	0
ALL OTHER CROPS	0	0	0	0	0	0	0	5,153
TOTAL CROP ACRES	103,160	95,157	575	611	4,260	2,657	59,076	48,844

STATE TOTALS

	1984	1989
COTTON	2,111,706	1,796,781
GRAIN SORGHUM	1,068,287	843,662
CORN	777,056	805,679
RICE	380,845	321,012
WHEAT	1,180,424	969,943
OTHER GRAIN	68,621	75,983
FORAGE CROPS	251,634	256,812
PEANUTS	129,765	148,639
SOYBEANS	96,686	196,274
OTHER OIL CROPS	22,212	48,860
CITRUS	38,850	38,182
PECANS	56,682	63,445
VINEYARD	4,435	5,138
OTHER ORCHARD	3,713	4,357
ALFALFA	153,987	125,095
HAY-PASTURE	202,626	196,147
SUGAR BEETS	34,822	39,185
IRISH POTATOES	22,089	25,606
VEGETABLES (SHALLOW)	110,084	123,525
VEGETABLES (DEEP)	103,743	107,041
SUGARCANE	35,500	42,999
ALL OTHER CROPS	51,793	62,983
TOTAL CROP ACRES	6,905,560	6,297,348



Table 5. — Miscellaneous County-Wide Data from 1989 Survey

	Lined Ditches Miles	Lined Ditches Acres Served	Underground Pipeline Miles	Underground Pipeline Acres Served	On-farm Impoundment Acres Served	On-farm Impoundment Number	Number Irrigation Units	Trickle Irrigation Acres	Previously Irrigated Acres
ANDERSON	0	0	1	30	415	2	6	77	0
ANDREWS	0	0	23	4,191	0	0	50	121	2,992
ANGELINA	0	0	0	0	0	0	2	0	0
ARANSAS	0	0	0	0	0	0	0	0	0
ARCHER	1	45	0	0	0	0	1	0	50
ARMSTRONG	0	0	50	14,345	0	0	50	0	1,400
ATASCOSA	0	0	12	4,200	0	0	370	103	0
AUSTIN	0	0	1	220	0	0	12	0	10,800
BAILEY	0	0	971	142,000	0	0	560	0	6,000
BANDERA	0	0	1	90	71	2	14	76	106
BASTROP	0	0	0	0	28	1	7	150	498
BAYLOR	0	0	30	2,400	40	1	26	0	1,250
BEE	0	0	5	2,702	0	0	21	6	5,600
BELL	0	0	1	85	0	0	12	51	400
BEXAR	14	920	24	2,900	550	8	180	0	0
BLANCO	0	0	2	60	0	0	9	151	0
BORDEN	0	0	10	1,500	0	0	5	0	531
BOSQUE	0	0	6	1,023	0	0	10	345	0
BOWIE	0	0	1	692	372	2	12	48	360
BRAZORIA	0	0	1	40	0	0	130	0	173,000
BRAZOS	4	1,200	20	5,500	0	0	75	110	5,000
BREWSTER	0	0	1	235	0	0	3	120	250
BRISCOE	0	0	320	43,370	0	0	320	27	14,624
BROOKS	0	0	4	1,008	0	0	29	24	1,020
BROWN	6	1,600	4	430	0	0	60	1,250	0
BURLESON	0	0	15	1,800	0	0	60	219	9,000
BURNET	0	0	0	0	75	1	6	39	0
CALDWELL	0	0	2	700	28	1	13	15	75
CALHOUN	0	0	0	0	385	1	39	0	10,000
CALLAHAN	0	0	2	80	307	12	44	0	0
CAMERON	0	0	214	21,500	0	0	2,571	1,500	2,500
CAMP	0	0	0	0	30	1	5	106	0
CARSON	0	0	484	116,028	0	0	380	5	9,500
CASS	0	0	0	0	0	0	0	0	0
CASTRO	0	0	833	219,797	0	0	1,067	35	75,985
CHAMBERS	0	0	0	0	3,000	10	120	0	125,000
CHEROKEE	0	0	6	180	14	3	10	28	0
CHILDRESS	0	0	37	12,000	0	0	70	0	4,700
CLAY	0	0	3	344	0	0	7	220	350
COCHRAN	0	0	125	41,650	0	0	350	0	4,000
COKE	0	0	1	300	0	0	5	40	440
COLEMAN	0	0	1	90	101	2	7	0	1,050
COLLIN	0	0	0	0	0	0	0	0	0
COLLINGSWORTH	0	0	20	8,500	20	1	71	0	855
COLORADO	0	0	25	4,500	0	0	256	0	81,141
COMAL	0	0	0	0	0	0	16	7	242
COMANCHE	0	0	240	18,000	5,000	70	540	11,595	0
CONCHO	1	94	5	800	0	0	36	10	200
COOKE	0	0	0	0	0	0	1	0	284
CORYELL	0	0	0	0	0	0	5	40	0
COTTLE	0	0	5	400	60	1	11	14	34
CRANE	0	0	1	4	0	0	6	4	0
CROCKETT	0	0	1	230	0	0	3	0	256
CROSBY	0	0	642	95,000	0	0	650	50	10,200
CULBERSON	3	700	54	20,000	0	0	20	893	18,000
DALLAM	0	0	510	213,115	0	0	325	110	8,600
DALLAS	0	0	0	0	40	2	4	40	370

Table 5. — Miscellaneous County-Wide Data from 1989 Survey...(Continued)

	Lined Ditches Miles	Lined Ditches Acres Served	Underground Pipeline Miles	Underground Pipeline Acres Served	On-farm Impoundment Acres Served	On-farm Impoundment Number	Number Irrigation Units	Trickle Irrigation Acres	Previously Irrigated Acres
DAWSON	0	0	160	35,000	0	0	200	480	0
DEAF SMITH	0	0	1,000	206,151	0	0	509	105	0
DELTA	0	0	0	0	1,400	2	1	0	3,150
DENTON	0	0	1	95	0	0	10	0	20
DEWITT	0	0	0	0	0	0	14	55	1,070
DICKENS	0	0	21	6,389	345	2	64	72	1,000
DIMMIT	2	200	33	6,800	0	0	35	72	6,816
DONLEY	0	0	70	26,560	0	0	88	0	3,000
DUVAL	1	1,000	14	4,500	0	0	8	0	5,775
EASTLAND	0	0	12	1,150	2,850	57	160	0	0
ECTOR	0	0	18	1,100	0	0	150	751	450
EDWARDS	0	0	1	40	0	0	4	59	0
ELLIS	0	0	0	0	120	1	1	0	0
EL PASO	404	32,900	6	500	0	0	418	0	2,800
ERATH	0	0	14	3,000	3,800	84	195	169	0
FALLS	0	0	9	2,000	0	0	15	25	1,650
FANNIN	0	0	3	4,000	270	6	25	0	3,500
FAYETTE	0	0	4	200	568	8	35	0	910
FISHER	0	0	3	700	30	1	23	200	0
FLOYD	0	0	1,343	250,000	0	0	600	3	65,000
FOARD	0	0	15	3,000	0	0	33	10	2,330
FORT BEND	0	0	7	2,100	0	0	46	0	59,000
FRANKLIN	0	0	2	70	70	1	1	70	0
FREESTONE	0	0	1	25	0	0	2	25	0
FRIO	0	0	50	20,000	0	0	250	500	0
GAINES	0	0	357	211,825	0	0	510	0	29,459
GALVESTON	0	0	0	0	0	0	18	0	10,142
GARZA	0	0	55	4,500	150	3	65	0	2,000
GILLESPIE	0	0	2	600	0	0	35	321	295
GLASSCOCK	0	0	245	48,000	0	0	183	482	0
GOLIAD	0	0	0	0	0	0	9	71	452
GONZALES	0	0	2	240	200	3	23	77	200
GRAY	0	0	119	26,000	0	0	90	0	3,486
GRAYSON	0	0	10	2,000	245	7	30	35	435
GREGG	0	0	0	0	0	0	0	0	0
GRIMES	0	0	1	8	0	0	1	0	600
GUADALUPE	0	0	15	460	80	2	37	250	1,250
HALE	0	0	1,891	289,600	0	0	1,125	15	98,800
HALL	0	0	82	22,664	0	0	106	7	974
HAMILTON	0	0	1	80	50	1	15	175	0
HANSFORD	0	0	500	150,000	0	0	363	8	10,000
HARDEMAN	0	0	42	3,100	0	0	54	23	500
HARDIN	0	0	1	570	0	0	4	0	0
HARRIS	0	0	0	0	0	0	50	0	27,000
HARRISON	1	24	0	0	24	1	1	0	5
HARTLEY	0	0	478	183,719	0	0	400	45	31,819
HASKELL	0	0	44	28,000	0	0	385	0	350
HAYS	0	0	0	0	32	1	5	16	784
HEMPHILL	0	0	4	994	0	0	12	0	0
HENDERSON	0	0	1	300	5	1	1	8	0
HIDALGO	10	5,000	600	100,000	0	0	5,078	2,350	0
HILL	0	0	0	0	0	0	5	100	0
HOCKLEY	0	0	762	113,925	0	0	780	315	15,000
HOOD	0	0	10	4,000	2,795	7	20	597	0
HOPKINS	0	0	0	0	0	0	0	0	0
HOUSTON	0	0	1	94	182	4	5	50	0
HOWARD	0	0	0	0	0	0	34	115	0

Table 5. --- Miscellaneous County-Wide Data from 1989 Survey...(Continued)

	Lined Ditches Miles	Lined Ditches Acres Served	Underground Pipeline Miles	Underground Pipeline Acres Served	On-farm Impoundment Acres Served	On-farm Impoundment Number	Number Irrigation Units	Trickle Irrigation Acres	Previously Irrigated Acres
HUDSPETH	127	25,500	157	20,200	0	0	139	0	10,900
HUNT	0	0	0	0	414	12	4	10	0
HUTCHINSON	0	0	144	38,000	0	0	118	20	3,000
IRION	4	1,156	2	541	0	0	48	25	375
JACK	0	0	0	0	0	0	2	48	0
JACKSON	0	0	30	5,000	5,000	10	75	60	36,144
JASPER	0	0	1	35	35	1	1	0	100
JEFF DAVIS	0	0	4	1,960	45	2	13	84	8,000
JEFFERSON	0	0	1	120	4,000	4	230	0	130,700
JIM HOGG	0	0	0	0	0	0	8	0	900
JIM WELLS	0	0	1	120	0	0	17	0	1,220
JOHNSON	0	0	0	0	0	0	0	0	0
JONES	0	0	19	4,000	0	0	50	50	0
KARNES	0	0	1	490	355	3	19	5	134
KAUFMAN	0	0	1	50	125	7	6	51	0
KENDALL	0	0	1	50	0	0	9	30	0
KENEDY	0	0	0	0	0	0	0	0	0
KENT	0	0	4	800	0	0	11	37	0
KERR	0	0	2	160	0	0	20	89	135
KIMBLE	0	0	3	346	0	0	40	240	236
KING	0	0	1	300	0	0	1	0	600
KINNEY	0	0	21	6,900	0	0	20	0	2,269
KLEBERG	0	0	0	0	0	0	8	0	0
KNOX	0	0	175	38,000	0	0	225	27	20,284
LAMAR	0	0	4	900	890	15	13	0	1,680
LAMB	0	0	1,525	275,000	0	0	1,500	115	125,000
LAMPASAS	0	0	1	220	0	0	5	20	520
LA SALLE	0	0	6	3,000	0	0	15	15	4,560
LAVACA	0	0	2	800	0	0	30	450	2,800
LEE	0	0	1	50	92	8	15	40	0
LEON	0	0	0	0	0	0	0	0	0
LIBERTY	0	0	1	200	4,000	20	80	15	107,500
LIMESTONE	0	0	0	0	0	0	0	0	350
LIPSCOMB	0	0	34	17,680	0	0	38	0	0
LIVE OAK	0	0	3	870	0	0	13	14	360
LLANO	0	0	3	250	0	0	22	86	740
LOVING	0	0	0	0	0	0	1	0	200
LUBBOCK	0	0	1,345	170,670	160	2	1,250	2,500	37,350
LYNN	0	0	250	42,000	4,000	3	200	46	34,910
MCCULLOCH	0	0	2	900	0	0	15	0	344
MCLENNAN	0	0	4	3,000	0	0	20	115	900
MCMULLEN	0	0	0	0	0	0	0	0	0
MADISON	0	0	1	30	0	0	1	0	160
MARION	0	0	0	0	0	0	0	0	0
MARTIN	0	0	70	10,783	0	0	90	25	4,208
MASON	0	0	2	200	37	2	90	8	2,000
MATAGORDA	0	0	20	10,000	0	0	290	0	239,632
MAVERICK	175	25,000	10	1,200	0	0	260	0	60,894
MEDINA	9	2,900	65	19,350	0	0	1,360	640	0
MENARD	4	450	1	150	200	2	64	75	100
MIDLAND	0	0	107	15,000	0	0	60	570	1,400
MILAM	0	0	8	395	5	1	8	45	0
MILLS	7	1,010	1	120	300	13	13	0	0
MITCHELL	0	0	22	5,870	0	0	38	20	0
MONTAGUE	0	0	0	0	170	6	17	200	75
MONTGOMERY	0	0	1	19	0	0	3	19	0
MOORE	0	0	683	166,500	0	0	495	0	23,900

Table 5. — Miscellaneous County-Wide Data from 1989 Survey...(Continued)

	Lined Ditches Miles	Lined Ditches Acres Served	Underground Pipeline Miles	Underground Pipeline Acres Served	On-farm Impoundment Acres Served	On-farm Impoundment Number	Number Irrigation Units	Trickle Irrigation Acres	Previously Irrigated Acres
MORRIS	0	0	0	0	220	6	3	30	0
MOTLEY	0	0	36	5,900	225	2	51	0	700
NACOGDOCHES	0	0	1	60	69	3	6	74	0
NAVARRO	0	0	0	0	0	0	0	0	0
NEWTON	0	0	0	0	0	0	1	0	30
NOLAN	0	0	6	235	400	3	27	200	1,500
NUECES	0	0	0	0	0	0	13	0	0
OCHILTREE	0	0	312	97,295	0	0	450	20	26,552
OLDHAM	0	0	23	5,296	0	0	22	0	0
ORANGE	0	0	0	0	0	0	12	0	4,000
PALO PINTO	0	0	0	0	216	6	4	92	0
PANOLA	0	0	0	0	0	0	0	0	0
PARKER	0	0	0	0	0	0	24	116	598
PARMER	0	0	1,137	286,000	260	1	1,150	0	57,891
PECOS	172	11,500	122	11,200	0	0	44	1,675	9,500
POLK	0	0	1	76	78	2	3	2	0
POTTER	0	0	20	6,683	0	0	20	0	0
PRESIDIO	8	750	13	2,750	0	0	40	14	5,000
RAINS	0	0	0	0	20	1	1	20	0
RANDALL	0	0	203	48,625	350	1	172	25	11,518
REAGAN	0	0	115	25,000	0	0	170	88	2,000
REAL	0	0	0	0	0	0	10	80	30
RED RIVER	0	0	0	0	80	1	1	0	3,365
REEVES	125	17,000	48	16,000	0	0	76	187	26,000
REFUGIO	0	0	0	0	0	0	2	0	50
ROBERTS	0	0	25	9,816	0	0	18	20	1,500
ROBERTSON	0	0	26	3,250	20	1	135	541	6,000
ROCKWALL	0	0	0	0	0	0	0	0	0
RUNNELS	2	190	9	975	185	10	89	241	1,000
RUSK	0	0	1	20	27	1	3	0	0
SABINE	0	0	0	0	0	0	0	0	0
SAN AUGUSTINE	0	0	0	0	0	0	1	1	0
SAN JACINTO	0	0	0	0	0	0	73	20	370
SAN PATRICIO	0	0	2	0	0	0	66	1,000	500
SAN SABA	3	500	20	4,500	1,000	6	66	91	1,025
SCHLEICHER	0	0	44	2,479	0	0	13	0	1,224
SCURRY	0	0	5	400	0	0	10	0	0
SHACKELFORD	0	0	1	60	0	0	8	0	0
SHELBY	0	0	0	0	2	2	4	30	30
SHERMAN	0	0	588	188,000	0	0	355	0	40,000
SMITH	0	0	5	625	298	7	13	108	590
SOMERVELL	0	0	2	632	0	0	3	0	130
STARR	0	0	125	15,810	0	0	32	1,800	500
STEPHENS	0	0	1	190	86	2	5	0	0
STERLING	5	158	4	700	0	0	9	0	1,672
STONEWALL	0	0	0	0	30	1	5	0	200
SUTTON	0	0	1	206	0	0	11	81	500
SWISHER	0	0	124	123,000	0	0	578	0	0
TARRANT	0	0	0	0	15	1	4	0	47
TAYLOR	0	0	2	200	100	3	15	0	30
TERRELL	1	52	1	54	0	0	8	28	0
TERRY	0	0	347	129,356	0	0	375	0	0
THROCKMORTON	0	0	0	0	0	0	0	0	0
TITUS	0	0	0	0	0	0	0	0	20
TOM GREEN	52	10,000	180	20,000	0	0	400	470	750
TRAVIS	0	0	1	160	0	0	9	20	0
TRINITY	0	0	0	0	0	0	1	5	0

Table 5. — Miscellaneous County-Wide Data from 1989 Survey...(Continued)

	Lined Ditches Miles	Lined Ditches Acres Served	Underground Pipeline Miles	Underground Pipeline Acres Served	On-farm Impoundment Acres Served	On-farm Impoundment Number	Number Irrigation Units	Trickle Irrigation Acres	Previously Irrigated Acres
TYLER	0	0	3	35	35	1	3	4	0
UPSHUR	0	0	0	0	0	0	0	0	0
UPTON	0	0	56	10,000	0	0	100	260	3,600
UVALDE	0	0	172	46,982	431	4	148	606	22,801
VAL VERDE	1	140	1	20	0	0	50	35	1,108
VAN ZANDT	0	0	0	0	30	2	1	30	0
VICTORIA	0	0	10	3,000	0	0	17	16	16,699
WALKER	0	0	1	326	0	0	3	20	300
WALLER	0	0	0	0	0	0	34	28	20,400
WARD	23	5,000	2	300	0	0	36	44	1,000
WASHINGTON	0	0	4	200	0	0	7	217	0
WEBB	0	0	0	0	0	0	16	35	334
WHARTON	0	0	102	12,750	1,500	5	450	95	270,000
WHEELER	0	0	6	1,200	0	0	31	170	1,000
WICHITA	26	8,942	9	3,700	0	0	350	41	9,707
WILBARGER	0	0	105	11,000	710	5	190	40	100
WILLACY	0	0	21	5,200	0	0	150	0	0
WILLIAMSON	0	0	1	26	0	0	4	26	150
WILSON	0	0	12	6,200	0	0	125	133	4,600
WINKLER	0	0	0	0	0	0	0	0	1,800
WISE	0	0	0	0	360	5	10	17	885
WOOD	0	0	4	300	145	4	7	20	30
YOAKUM	0	0	230	75,300	0	0	360	630	37,226
YOUNG	0	0	1	20	4	2	25	283	205
ZAPATA	2	500	4	1,000	0	0	8	0	1,014
ZAVALA	6	1,000	295	45,000	0	0	165	0	28,500
STATE TOTALS	1,199	155,431	22,054	4,856,439	50,476	512	34,898	40,908	2,467,546

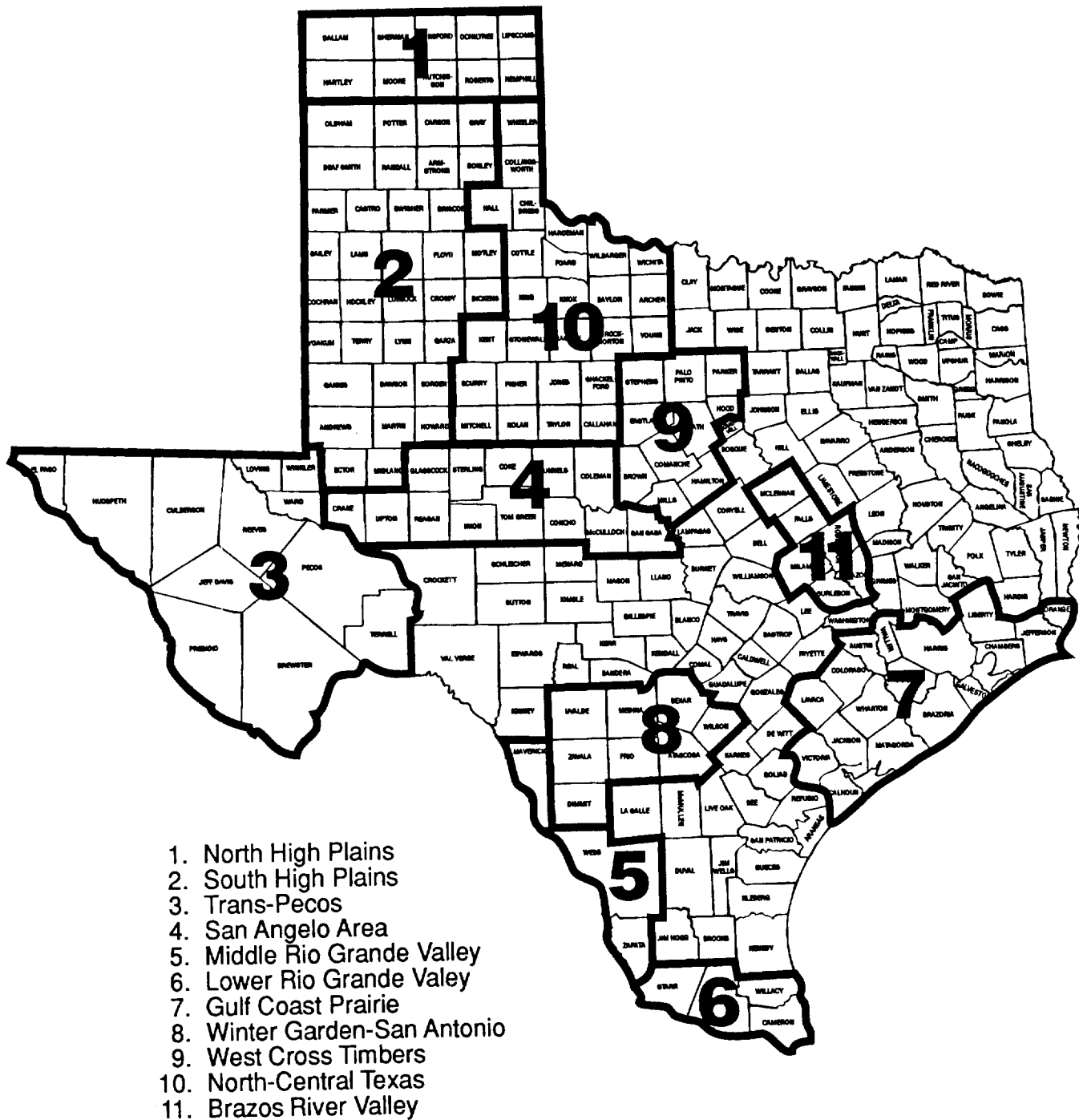


Figure 7. Counties Comprising Major Irrigation Areas

Table 6 --- Irrigated Acres and Water Use by Major Irrigation Areas

<b>NORTH HIGH PLAINS (North of the Canadian River)</b>				<b>NORTH HIGH PLAINS -- continued (North of the Canadian River)</b>			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
DALLAM	1958	42,225	49,874	HANSFORD	1958	69,150	80,717
	1964	76,970	120,083		1964	164,000	197,062
	1969	128,600	160,985		1969	239,450	357,867
	1974	155,905	243,520		1974	252,450	409,471
	1979	220,515	323,345		1979	251,750	390,678
	1984	213,375	285,751		1984	148,306	252,284
	1989	204,515	286,576		1989	136,550	188,528
HARTLEY	1958	18,330	19,822	HEMPHILL	1958	180	206
	1964	47,365	75,312		1964	1,249	1,693
	1969	121,990	146,467		1969	1,921	2,506
	1974	140,000	187,972		1974	3,678	5,180
	1979	200,000	251,417		1979	4,357	6,899
	1984	200,000	219,511		1984	3,201	5,260
	1989	151,900	193,102		1989	2,190	1,936
HUTCHINSON	1958	35,010	43,495	LIPSCOMB	1958	1,685	1,480
	1964	40,780	53,175		1964	2,660	2,420
	1969	62,000	78,200		1969	8,246	5,158
	1974	69,954	87,558		1974	15,766	21,099
	1979	80,389	102,539		1979	33,180	38,417
	1984	44,895	60,142		1984	20,945	17,823
	1989	35,000	44,746		1989	17,680	18,361
MOORE	1958	81,280	83,828	OCHILTREE	1958	16,820	19,078
	1964	113,180	160,534		1964	40,380	47,607
	1969	212,780	218,828		1969	107,060	115,192
	1974	230,136	327,908		1974	140,420	207,640
	1979	233,725	304,033		1979	120,000	108,717
	1984	210,100	287,913		1984	101,000	128,609
	1989	161,100	355,787		1989	70,737	80,513
ROBERTS	1958	3,320	4,602	SHERMAN	1958	50,000	60,200
	1964	6,330	8,348		1964	137,200	182,000
	1969	9,160	8,810		1969	252,578	284,537
	1974	9,551	13,518		1974	273,651	330,277
	1979	11,634	14,184		1979	231,000	268,267
	1984	8,436	5,204		1984	140,200	225,833
	1989	8,316	4,243		1989	148,000	249,500
AREA TOTAL	1958	318,000	363,302				
	1964	630,114	848,234				
	1969	1,143,785	1,378,550				
	1974	1,291,511	1,834,143				
	1979	1,386,550	1,808,496				
	1984	1,090,458	1,488,330				
	1989	935,988	1,423,292				

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

<b>SOUTH HIGH PLAINS (South of the Canadian River)</b>				<b>SOUTH HIGH PLAINS—continued (South of the Canadian River)</b>			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
ANDREWS	1958	1,200	1,699	ARMSTRONG	1958	24,845	21,509
	1964	8,000	16,393		1964	27,825	43,782
	1969	2,389	1,198		1969	25,518	33,068
	1974	5,353	5,278		1974	26,348	30,308
	1979	9,207	9,132		1979	24,370	12,837
	1984	4,871	3,605		1984	11,460	7,097
	1989	4,594	2,932	1989	14,539	10,549	
BAILEY	1958	147,000	256,887	BORDEN	1958	1,400	808
	1964	149,210	354,508		1964	1,400	709
	1969	157,170	184,883		1969	1,401	716
	1974	166,518	375,874		1974	741	628
	1979	182,338	252,185		1979	291	303
	1984	142,283	149,132		1984	531	266
	1989	139,147	197,092	1989	531	226	
BRISCOE	1958	55,000	38,817	CARSON	1958	65,400	61,065
	1964	70,200	111,348		1964	104,310	149,906
	1969	63,970	96,069		1969	124,725	175,800
	1974	66,196	103,045		1974	130,420	184,354
	1979	65,776	95,350		1979	134,050	160,365
	1984	60,133	45,644		1984	114,000	105,924
	1989	44,166	31,085	1989	106,528	93,553	
CASTRO	1958	401,670	354,475	COCHRAN	1958	65,600	108,784
	1964	406,500	634,300		1964	88,600	125,266
	1969	411,500	548,634		1969	84,600	65,312
	1974	408,948	546,160		1974	104,474	85,564
	1979	368,650	411,731		1979	105,195	28,095
	1984	231,657	321,357		1984	105,512	73,917
	1989	219,797	279,694	1989	40,650	27,082	
CROSBY	1958	200,000	139,148	DAWSON	1958	70,000	105,116
	1964	168,400	188,448		1964	100,000	148,783
	1969	167,350	215,809		1969	74,570	42,192
	1974	164,855	232,800		1974	52,020	31,245
	1979	52,800	43,088		1979	56,700	9,700
	1984	158,618	123,113		1984	32,390	21,362
	1989	120,440	91,171	1989	33,360	43,684	
DEAF SMITH	1958	282,660	407,293	DICKENS	1958	10,504	10,504
	1964	304,400	469,145		1964	11,994	11,994
	1969	275,100	481,525		1969	19,047	16,916
	1974	310,000	514,799		1974	19,137	15,288
	1979	294,500	315,706		1979	12,957	3,279
	1984	285,530	297,892		1984	9,472	5,816
	1989	206,151	213,674	1989	7,114	4,632	



Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

<b>SOUTH HIGH PLAINS (South of the Canadian River)</b>				<b>SOUTH HIGH PLAINS—continued (South of the Canadian River)</b>			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
DONLEY	1958	3,460	2,156	ECTOR	1958	0	0
	1964	12,600	21,187		1964	2,200	5,712
	1969	16,679	11,786		1969	4,100	3,708
	1974	18,663	26,020		1974	2,980	3,607
	1979	17,128	8,379		1979	3,280	3,693
	1984	11,795	6,715		1984	2,367	5,527
	1989	23,560	17,516		1989	2,696	6,291
FLOYD	1958	300,250	188,592	GAINES	1958	108,000	153,467
	1964	321,910	256,026		1964	225,000	285,084
	1969	315,000	317,646		1969	319,920	146,885
	1974	306,320	287,400		1974	350,500	310,826
	1979	277,295	176,968		1979	359,670	413,032
	1984	207,600	184,504		1984	261,920	282,872
	1989	185,000	106,651		1989	211,815	368,881
GARZA	1958	14,000	15,000	GRAY	1958	8,880	8,356
	1964	14,843	18,014		1964	16,790	22,869
	1969	15,513	16,484		1969	29,252	39,190
	1974	12,000	16,667		1974	33,559	45,719
	1979	11,900	11,894		1979	31,683	27,546
	1984	6,105	5,125		1984	18,423	16,293
	1989	6,366	6,312		1989	22,514	19,905
HALE	1958	533,455	575,752	HOCKLEY	1958	160,000	165,014
	1964	461,800	1,105,616		1964	194,400	397,983
	1969	352,520	680,167		1969	194,225	214,696
	1974	431,495	826,357		1974	223,406	345,502
	1979	386,891	356,949		1979	100,500	45,017
	1984	354,900	526,631		1984	150,900	100,958
	1989	345,900	452,343		1989	135,594	92,464
HOWARD	1958	1,000	1,533	LAMB	1958	292,460	395,982
	1964	1,200	2,167		1964	331,180	683,252
	1969	1,966	1,379		1969	317,847	388,875
	1974	2,446	2,504		1974	326,070	413,872
	1979	791	856		1979	296,600	320,033
	1984	506	613		1984	279,400	533,192
	1989	2,111	2,175		1989	204,700	212,015
LUBBOCK	1958	350,000	291,264	LYNN	1958	65,000	79,501
	1964	350,014	213,298		1964	79,200	79,067
	1969	325,000	189,850		1969	92,070	23,477
	1974	300,000	278,409		1974	72,485	72,382
	1979	95,395	25,980		1979	64,559	38,290
	1984	168,360	123,257		1984	84,980	60,393
	1989	170,670	202,005		1989	50,332	29,042

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

<b>SOUTH HIGH PLAINS (South of the Canadian River)</b>				<b>SOUTH HIGH PLAINS—continued (South of the Canadian River)</b>			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
MARTIN	1958	26,200	40,675	MIDLAND	1958	12,175	24,866
	1964	22,000	45,665		1964	11,826	14,847
	1969	28,952	29,187		1969	28,505	33,429
	1974	26,715	29,825		1974	29,385	37,457
	1979	25,000	15,625		1979	17,745	24,571
	1984	15,024	16,537		1984	19,794	23,852
	1989	10,816	12,256		1989	17,626	25,588
MOTLEY	1958	2,932	2,401	OLDHAM	1958	19,289	24,110
	1964	3,915	4,038		1964	25,440	38,571
	1969	7,164	7,131		1969	28,710	30,084
	1974	7,384	6,559		1974	32,709	31,688
	1979	7,544	2,975		1979	16,830	16,722
	1984	9,460	4,309		1984	6,136	5,661
	1989	7,540	3,934		1989	5,696	3,872
PARMER	1958	404,222	773,936	POTTER	1958	11,000	10,000
	1964	377,000	574,020		1964	14,300	22,548
	1969	318,647	493,295		1969	17,757	20,844
	1974	382,210	605,697		1974	18,233	24,327
	1979	417,986	592,805		1979	15,240	20,715
	1984	291,970	278,193		1984	8,705	13,253
	1989	291,970	280,293		1989	6,683	8,201
RANDALL	1958	95,000	86,986	SWISHER	1958	319,200	265,026
	1964	91,000	147,717		1964	279,012	471,623
	1969	84,659	87,545		1969	249,700	369,637
	1974	85,219	96,883		1974	316,800	474,878
	1979	74,446	79,955		1979	132,624	157,952
	1984	58,255	53,503		1984	125,425	150,758
	1989	39,667	27,293		1989	112,000	105,914
TERRY	1958	136,034	135,586	YOAKUM	1958	38,370	67,910
	1964	130,000	170,313		1964	68,500	61,825
	1969	169,700	58,057		1969	88,740	74,295
	1974	173,230	145,570		1974	102,340	138,651
	1979	166,336	57,712		1979	121,910	122,912
	1984	146,799	66,119		1984	100,427	61,515
	1989	129,516	152,442		1989	92,892	137,824
AREA TOTAL	1958	4,226,206	4,814,218	HIGH PLAINS TOTALS	1958	4,544,206	5,177,520
	1964	4,474,969	6,896,024		1964	5,105,083	7,744,258
	1969	4,413,966	5,099,769		1969	5,557,751	6,478,319
	1974	4,709,159	6,346,143		1974	6,000,670	8,180,286
	1979	3,948,187	3,862,352		1979	5,334,737	5,670,848
	1984	3,485,708	3,674,905		1984	4,576,166	5,163,235
	1989	3,011,782	3,268,630		1989	3,947,770	4,691,922

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

<b>LOWER RIO GRANDE VALLEY</b>				<b>LOWER RIO GRANDE VALLEY-continued</b>			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
CAMERON	1958	280,823	585,132	HIDALGO	1958	419,900	596,999
	1964	282,800	366,500		1964	466,471	507,170
	1969	287,445	414,528		1969	450,292	608,865
	1974	287,445	392,245		1974	443,650	602,650
	1979	287,445	330,067		1979	438,650	552,175
	1984	268,707	376,457		1984	399,563	552,313
	1989	268,700	400,798		1989	436,398	696,421
STARR	1958	35,441	41,097	WILLACY	1958	31,400	49,084
	1964	33,450	47,367		1964	36,500	58,992
	1969	32,500	44,421		1969	37,723	49,268
	1974	25,576	26,155		1974	37,723	53,896
	1979	25,576	25,909		1979	37,723	28,112
	1984	25,751	30,777		1984	37,235	54,235
	1989	23,500	40,965		1989	37,235	56,484
AREA TOTAL	1958	767,564	1,272,312				
	1964	819,221	980,029				
	1969	807,960	1,117,082				
	1974	794,394	1,074,946				
	1979	789,394	936,263				
	1984	731,256	1,013,782				
	1989	765,833	1,194,668				
<b>MIDDLE RIO GRANDE VALLEY</b>				<b>MIDDLE RIO GRANDE VALLEY-continued</b>			
MAVERICK	1958	29,431	35,001	WEBB	1958	8,110	9,891
	1964	38,449	110,696		1964	12,050	22,937
	1969	46,629	117,706		1969	16,572	23,305
	1974	42,729	100,930		1974	12,564	14,934
	1979	42,030	63,337		1979	4,979	3,556
	1984	40,194	85,569		1984	5,400	5,400
	1989	50,800	103,616		1989	5,177	5,862
ZAPATA	1958	8,339	12,985	AREA TOTAL	1958	45,880	57,877
	1964	4,100	8,300		1964	54,599	141,933
	1969	6,738	8,756		1969	69,939	149,767
	1974	4,134	4,588		1974	59,427	120,452
	1979	3,691	4,199		1979	50,700	71,092
	1984	3,286	3,300		1984	48,880	94,269
	1989	2,272	1,955		1989	58,249	111,433
<b>TRANS-PECOS</b>				<b>TRANS-PECOS—continued</b>			
BREWSTER	1958	234	588	CULBERSON	1958	9,905	29,176
	1964	220	715		1964	10,480	24,512
	1969	0	0		1969	8,974	31,861
	1974	148	379		1974	8,429	28,935
	1979	248	627		1979	21,105	46,885
	1984	233	427		1984	9,819	20,051
	1989	120	238		1989	9,013	14,145

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

TRANS-PECOS				TRANS-PECOS—continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
EL PASO	1958	55,551	193,002	HUDSPETH	1958	27,844	93,327
	1964	55,000	140,681		1964	40,670	114,969
	1969	57,919	206,014		1969	35,927	137,899
	1974	56,375	179,310		1974	45,472	172,741
	1979	53,810	165,075		1979	50,591	176,610
	1984	47,526	159,709		1984	37,491	158,055
	1989	45,845	171,394		1989	38,683	159,187
JEFF DAVIS	1958	1,370	3,509	LOVING	1958	200	700
	1964	1,310	2,895		1964	100	273
	1969	846	2,235		1969	17	68
	1974	320	792		1974	17	51
	1979	9,433	12,328		1979	30	40
	1984	1,976	2,310		1984	0	0
	1989	3,112	1,622		1989	20	42
PECOS	1958	117,413	345,266	PRESIDIO	1958	5,188	18,926
	1964	119,313	367,455		1964	5,445	17,307
	1969	55,043	201,748		1969	5,861	23,709
	1974	51,795	183,669		1974	6,374	23,471
	1979	27,291	94,462		1979	8,649	31,917
	1984	31,232	90,022		1984	6,769	23,944
	1989	25,296	73,462		1989	12,316	28,711
REEVES	1958	96,000	368,568	TERRELL	1958	111	501
	1964	118,200	414,217		1964	207	1,035
	1969	82,035	334,392		1969	277	1,250
	1974	78,170	319,785		1974	106	257
	1979	36,502	127,469		1979	194	565
	1984	27,061	89,688		1984	166	242
	1989	19,509	74,076		1989	264	389
WARD	1958	5,660	14,739	WINKLER	1958	530	934
	1964	5,447	18,240		1964	470	1,664
	1969	6,496	23,806		1969	1,360	5,382
	1974	5,536	22,975		1974	1,843	3,466
	1979	1,788	7,549		1979	1,240	4,797
	1984	284	357		1984	240	360
	1989	3,204	14,000		1989	0	0
AREA TOTAL	1958	320,006	1,069,236				
	1964	356,862	1,103,963				
	1969	254,755	968,364				
	1974	254,585	935,831				
	1979	210,881	668,324				
	1984	162,797	545,165				
	1989	157,382	537,266				

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

<b>SAN ANGELO</b>				<b>SAN ANGELO—continued</b>			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
COKE	1958	173	219	COLEMAN	1958	350	242
	1964	639	931		1964	439	830
	1969	718	1,306		1969	1,238	1,407
	1974	497	766		1974	2,147	2,836
	1979	316	544		1979	2,420	3,609
	1984	310	513		1984	2,219	2,064
	1989	390	571		1989	871	1,089
CONCHO	1958	500	250	CRANE	1958	0	0
	1964	1,355	1,931		1964	0	0
	1969	1,530	1,868		1969	0	0
	1974	1,228	740		1974	0	0
	1979	906	654		1979	0	0
	1984	2,478	2,225		1984	115	90
	1989	3,228	3,531		1989	12	7
GLASSCOCK	1958	10,800	11,597	IRION	1958	1,550	2,457
	1964	17,540	24,577		1964	2,130	3,526
	1969	23,139	34,185		1969	2,292	3,325
	1974	28,186	55,103		1974	2,427	2,479
	1979	33,614	38,956		1979	1,973	3,348
	1984	31,854	41,647		1984	1,673	2,660
	1989	26,535	31,108		1989	1,898	2,825
McCULLOCH	1958	1,172	1,098	REAGAN	1958	2,620	4,270
	1964	1,154	1,493		1964	10,247	15,334
	1969	1,973	2,290		1969	16,451	15,434
	1974	2,284	2,180		1974	11,085	14,531
	1979	2,859	2,651		1979	23,065	26,937
	1984	2,973	3,334		1984	25,017	33,721
	1989	2,562	2,526		1989	24,894	33,699
RUNNELS	1958	2,713	3,768	SAN SABA	1958	2,970	4,716
	1964	3,524	6,042		1964	4,564	7,642
	1969	3,502	5,743		1969	5,830	5,564
	1974	5,592	7,836		1974	8,063	11,018
	1979	5,498	6,466		1979	5,763	5,111
	1984	3,049	3,887		1984	7,168	6,351
	1989	3,616	4,529		1989	8,513	6,361
STERLING	1958	215	224	TOM GREEN	1958	10,775	12,415
	1964	1,356	2,336		1964	16,858	28,551
	1969	2,081	4,824		1969	13,820	13,464
	1974	2,252	4,169		1974	26,316	23,449
	1979	633	1,468		1979	30,560	50,495
	1984	505	1,206		1984	33,600	49,085
	1989	580	935		1989	38,790	58,741

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

<b>SAN ANGELO</b>				<b>SAN ANGELO—continued</b>			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
UPTON	1958	550	698	AREA TOTAL	1958	34,388	41,954
	1964	2,810	3,594		1964	62,616	96,787
	1969	5,676	5,438		1969	78,250	94,848
	1974	6,486	9,015		1974	96,563	134,122
	1979	14,002	17,493		1979	121,609	157,732
	1984	12,067	15,235		1984	123,028	162,018
	1989	10,906	14,394		1989	122,995	160,316
<b>WINTER GARDEN-SAN ANTONIO AREA</b>				<b>WINTER GARDEN-SAN ANTONIO AREA-cont'd</b>			
ATASCOSA	1958	23,200	30,915	BEXAR	1958	27,100	39,195
	1964	28,505	43,479		1964	29,961	61,771
	1969	33,050	52,155		1969	29,229	34,534
	1974	34,735	57,096		1974	26,462	27,652
	1979	31,175	55,799		1979	24,051	35,250
	1984	31,988	35,039		1984	20,104	38,815
	1989	36,770	50,914		1989	17,345	36,038
DIMMIT	1958	21,100	26,213	FRIO	1958	24,200	30,373
	1964	19,718	28,241		1964	44,595	56,300
	1969	28,289	34,862		1969	54,474	74,327
	1974	23,576	33,522		1974	61,484	72,794
	1979	14,093	21,558		1979	68,404	76,685
	1984	11,169	18,873		1984	60,285	90,007
	1989	7,215	12,404		1989	56,090	96,915
MEDINA	1958	13,400	21,893	UVALDE	1958	13,945	18,030
	1964	19,564	38,169		1964	21,379	33,939
	1969	26,210	62,635		1969	35,596	49,402
	1974	34,450	69,667		1974	40,412	70,312
	1979	38,050	65,370		1979	39,612	78,105
	1984	46,868	126,194		1984	51,370	151,774
	1989	53,825	160,439		1989	49,032	151,878
WILSON	1958	10,190	14,857	ZAVALA	1958	82,400	89,247
	1964	18,491	15,519		1964	138,652	271,938
	1969	16,618	13,669		1969	108,656	195,361
	1974	19,621	17,707		1974	81,382	146,315
	1979	8,117	6,388		1979	85,510	146,793
	1984	12,051	8,395		1984	57,776	95,144
	1989	13,380	10,845		1989	48,390	95,351
AREA TOTAL	1958	215,535	270,723				
	1964	320,865	549,356				
	1969	332,122	516,945				
	1974	322,122	495,065				
	1979	309,012	485,948				
	1984	291,611	564,241				
	1989	282,047	614,784				

Table 6 --- Irrigated Acres and Water Use by Major Irrigation Areas...Continued

GULF COAST PRAIRIE				GULF COAST PRAIRIE—continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
AUSTIN	1958	2,958	4,055	BRAZORIA	1958	51,295	167,389
	1964	4,292	7,004		1964	56,355	133,783
	1969	4,697	8,236		1969	69,560	218,068
	1974	3,663	10,246		1974	59,368	158,315
	1979	4,050	10,017		1979	67,098	141,760
	1984	3,015	8,754		1984	44,274	127,159
	1989	3,265	9,172	1989	32,367	109,113	
CALHOUN	1958	7,947	14,739	CHAMBERS	1958	39,273	117,819
	1964	7,627	22,480		1964	45,315	113,262
	1969	8,832	38,579		1969	51,383	128,457
	1974	11,019	43,171		1974	50,105	125,262
	1979	12,196	35,843		1979	53,090	106,180
	1984	9,161	28,143		1984	32,393	113,091
	1989	6,371	29,311	1989	25,730	72,795	
COLORADO	1958	37,284	111,422	FORT BEND	1958	27,362	65,193
	1964	37,485	147,647		1964	26,713	51,075
	1969	42,741	175,740		1969	33,540	85,869
	1974	47,478	178,127		1974	27,150	68,491
	1979	45,685	154,254		1979	26,627	55,254
	1984	36,501	134,009		1984	25,201	86,108
	1989	34,541	111,625	1989	18,740	51,896	
GALVESTON	1958	10,850	37,975	HARRIS	1958	35,350	103,633
	1964	12,200	29,848		1964	38,050	85,410
	1969	6,571	19,762		1969	36,619	121,527
	1974	6,850	17,508		1974	31,932	90,941
	1979	11,143	24,009		1979	22,844	49,933
	1984	5,337	18,335		1984	16,375	33,484
	1989	4,499	15,492	1989	12,470	31,025	
JACKSON	1958	28,165	97,808	JEFFERSON	1958	54,100	162,300
	1964	28,481	89,327		1964	60,485	151,212
	1969	33,750	116,417		1969	70,970	177,425
	1974	41,784	125,506		1974	69,470	173,675
	1979	41,489	131,382		1979	64,172	106,953
	1984	30,685	96,669		1984	30,830	107,905
	1989	25,126	72,151	1989	32,900	92,776	
LAVACA	1958	5,667	13,579	LIBERTY	1958	34,205	102,615
	1964	6,480	15,691		1964	36,698	88,403
	1969	8,242	23,695		1969	43,556	101,828
	1974	8,222	24,325		1974	44,372	103,694
	1979	9,054	26,779		1979	32,400	78,714
	1984	6,304	22,320		1984	25,286	75,714
	1989	4,498	15,181	1989	23,490	55,461	

Table 6—Irrigated Acres and Water Use by Major Irrigation Areas...Continued

**GULF COAST PRAIRIE**

**GULF COAST PRAIRIE—continued**

COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
MATAGORDA	1958	35,200	140,460	ORANGE	1958	4,321	7,202
	1964	45,952	213,577		1964	4,846	14,403
	1969	55,400	216,050		1969	4,232	10,300
	1974	55,686	208,659		1974	4,232	10,300
	1979	56,759	206,231		1979	1,739	3,188
	1984	46,886	158,139		1984	1,321	4,403
	1989	32,536	119,525		1989	1,400	3,967
VICTORIA	1958	4,635	16,014	WALLER	1958	17,493	25,446
	1964	5,096	13,112		1964	15,957	23,068
	1969	5,385	17,338		1969	17,759	28,915
	1974	5,160	16,092		1974	18,361	29,984
	1979	7,874	25,836		1979	16,577	25,255
	1984	6,293	20,334		1984	9,774	28,259
	1989	4,894	18,377		1989	7,014	20,417
WHARTON	1958	67,630	167,185	AREA TOTAL	1958	463,735	1,354,834
	1964	71,040	146,598		1964	503,072	1,345,900
	1969	82,253	239,068		1969	575,490	1,727,274
	1974	89,848	255,226		1974	574,700	1,639,522
	1979	85,175	163,195		1979	557,972	1,334,783
	1984	83,700	268,953		1984	413,336	1,331,779
	1989	82,812	249,988		1989	352,653	1,078,272

**BRAZOS RIVER VALLEY**

**BRAZOS RIVER VALLEY—continued**

BRAZOS	1958	17,600	15,079	BURLESON	1958	10,460	10,447
	1964	24,830	25,730		1964	18,605	19,745
	1969	20,690	17,776		1969	14,040	17,132
	1974	8,700	5,908		1974	14,635	9,762
	1979	10,450	8,258		1979	11,613	8,798
	1984	9,793	9,501		1984	11,739	7,723
	1989	11,792	8,430		1989	11,227	5,123
FALLS	1958	5,525	4,574	McLENNAN	1958	4,015	1,942
	1964	6,413	8,250		1964	7,233	3,213
	1969	7,606	6,906		1969	6,642	5,181
	1974	7,606	6,970		1974	6,509	4,907
	1979	3,946	2,649		1979	0	0
	1984	6,635	6,947		1984	1,255	2,300
	1989	6,237	4,145		1989	1,050	2,512



Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

**BRAZOS RIVER VALLEY**

COUNTY	YEAR	ACRES	ACRE-FEET
MILAN	1958	2,365	1,836
	1964	4,504	3,434
	1969	1,945	787
	1974	2,025	1,313
	1979	165	117
	1984	1,037	1,532
	1989	587	1,560
AREA TOTAL	1958	74,875	60,775
	1964	102,900	99,380
	1969	74,338	67,523
	1974	61,770	48,924
	1979	45,914	34,413
	1984	49,397	46,537
	1989	51,775	37,569

**BRAZOS RIVER VALLEY—continued**

COUNTY	YEAR	ACRES	ACRE-FEET
ROBERTSON	1958	34,910	26,897
	1964	41,315	39,008
	1969	23,415	19,741
	1974	22,295	20,064
	1979	19,740	14,591
	1984	18,938	18,534
	1989	20,882	15,799

**WEST CROSS TIMBERS**

BROWN	1958	3,696	1,384
	1964	4,997	7,247
	1969	10,466	25,887
	1974	11,016	28,104
	1979	7,904	5,732
	1984	6,531	7,472
	1989	6,525	7,355
EASTLAND	1958	265	163
	1964	978	831
	1969	10,045	10,007
	1974	10,386	10,459
	1979	12,051	13,088
	1984	11,939	11,939
	1989	12,094	12,094
HAMILTON	1958	900	485
	1964	1,705	693
	1969	1,925	1,882
	1974	2,775	1,710
	1979	550	290
	1984	1,266	2,302
	1989	1,266	2,303
MILLS	1958	1,880	3,066
	1964	2,387	2,455
	1969	2,083	4,092
	1974	3,120	6,559
	1979	1,945	1,637
	1984	2,658	2,468
	1989	2,651	2,410

**WEST CROSS TIMBERS—continued**

COMANCHE	1958	1,585	1,306
	1964	2,595	2,407
	1969	20,026	19,552
	1974	21,717	18,253
	1979	34,841	22,631
	1984	41,086	45,005
	1989	43,032	46,243
ERATH	1958	1,984	2,293
	1964	3,174	2,908
	1969	6,453	6,831
	1974	12,524	12,861
	1979	12,524	11,987
	1984	14,095	12,534
	1989	11,460	11,165
HOOD	1958	1,250	976
	1964	900	853
	1969	1,345	795
	1974	1,000	500
	1979	3,748	1,874
	1984	3,423	5,254
	1989	3,995	6,756
FALO PINTO	1958	1,183	1,071
	1964	373	208
	1969	2,077	1,327
	1974	1,680	840
	1979	308	55
	1984	126	98
	1989	351	580

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

**WEST CROSS TIMBERS**

COUNTY	YEAR	ACRES	ACRE-FEET
PARKER	1958	1,542	529
	1964	1,152	1,270
	1969	1,139	1,116
	1974	800	504
	1979	647	363
	1984	621	328
	1989	116	21
AREA TOTAL	1958	14,673	11,532
	1964	18,719	19,389
	1969	56,728	72,968
	1974	65,873	80,645
	1979	75,675	58,533
	1984	83,024	88,332
	1989	82,422	89,323

**WEST CROSS TIMBERS—continued**

COUNTY	YEAR	ACRES	ACRE-FEET
STEPHEN	1958	388	259
	1964	458	517
	1969	1,169	1,479
	1974	855	855
	1979	1,157	876
	1984	1,279	932
	1989	932	396

**NORTH-CENTRAL TEXAS**

ARCHER	1958	500	367
	1964	500	791
	1969	795	846
	1974	795	846
	1979	200	179
	1984	200	333
	1989	200	333
CALLAHAN	1958	0	0
	1964	319	160
	1969	1,002	1,670
	1974	1,425	1,819
	1979	1,155	698
	1984	846	519
	1989	1,001	626
COLLINGSWORTH	1958	6,930	6,803
	1964	7,985	6,469
	1969	7,750	5,084
	1974	8,975	17,640
	1979	6,081	2,881
	1984	5,314	5,884
	1989	10,999	12,934
FISHER	1958	2,350	1,958
	1964	4,140	7,777
	1969	3,080	3,675
	1974	3,305	2,762
	1979	2,715	2,519
	1984	1,333	1,977
	1989	1,840	2,477

**NORTH-CENTRAL TEXAS—continued**

BAYLOR	1958	3,736	3,371
	1964	6,256	6,092
	1969	7,220	6,483
	1974	7,220	5,661
	1979	1,777	794
	1984	2,965	1,670
	1989	3,525	1,857
CHILDRESS	1958	7,500	12,499
	1964	11,356	17,261
	1969	11,601	8,903
	1974	12,033	9,383
	1979	11,746	9,747
	1984	10,770	10,002
	1989	6,405	5,829
COTTLE	1958	11,973	18,385
	1964	13,250	13,688
	1969	5,450	5,463
	1974	0	0
	1979	1,455	1,298
	1984	1,712	1,913
	1989	801	469
FOARD	1958	1,581	2,685
	1964	2,089	2,160
	1969	2,300	2,687
	1974	2,980	3,533
	1979	4,820	5,300
	1984	4,220	4,080
	1989	4,100	4,101

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

NORTH-CENTRAL TEXAS				NORTH-CENTRAL TEXAS—continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
HALL	1958	8,827	12,079	HARDEMAN	1958	10,000	12,000
	1964	19,729	26,647		1964	15,110	22,932
	1969	22,271	23,171		1969	15,150	20,158
	1974	28,018	25,213		1974	15,200	17,411
	1979	23,401	17,712		1979	4,380	1,418
	1984	17,094	12,324		1984	6,671	6,592
	1989	14,863	11,763		1989	7,147	6,172
HASKELL	1958	15,755	29,533	JONES	1958	2,350	1,829
	1964	48,310	66,247		1964	5,534	6,776
	1969	37,410	38,070		1969	6,200	4,076
	1974	33,915	41,714		1974	6,005	4,263
	1979	34,020	38,288		1979	8,970	5,562
	1984	24,644	21,026		1984	7,354	4,540
	1989	28,630	26,040		1989	8,761	5,324
KENT	1958	1,800	1,800	KING	1958	620	1,033
	1964	1,400	1,867		1964	1,030	1,583
	1969	2,260	2,589		1969	670	337
	1974	2,070	2,080		1974	1,090	556
	1979	794	845		1979	457	280
	1984	598	902		1984	600	436
	1989	530	691		1989	30	30
KNOX	1958	21,000	19,276	MITCHELL	1958	15,000	23,741
	1964	33,891	35,277		1964	12,000	23,291
	1969	69,273	50,168		1969	5,243	2,682
	1974	67,315	44,998		1974	6,413	4,380
	1979	68,000	51,283		1979	2,940	2,525
	1984	42,225	35,142		1984	2,798	2,739
	1989	42,305	35,361		1989	1,708	1,477
NOLAN	1958	2,890	2,848	SCURRY	1958	2,656	1,331
	1964	3,779	3,248		1964	3,150	1,728
	1969	3,450	3,511		1969	5,694	3,323
	1974	3,180	2,922		1974	5,610	5,943
	1979	2,002	2,399		1979	4,565	5,532
	1984	2,210	2,262		1984	3,952	3,952
	1989	2,681	2,490		1989	785	809
SHACKLEFORD	1958	0	0	STONEWALL	1958	0	0
	1964	144	118		1964	2,115	3,004
	1969	293	673		1969	1,480	1,515
	1974	320	366		1974	425	663
	1979	388	361		1979	208	236
	1984	397	259		1984	272	179
	1989	397	259		1989	524	513

Table 6 — Irrigated Acres and Water Use by Major Irrigation Areas...Continued

NORTH-CENTRAL TEXAS				NORTH-CENTRAL TEXAS—continued			
COUNTY	YEAR	ACRES	ACRE-FEET	COUNTY	YEAR	ACRES	ACRE-FEET
TAYLOR	1958	1,371	2,452	THROCKMORTON	1958	0	0
	1964	2,221	2,459		1964	65	48
	1969	1,306	1,581		1969	0	0
	1974	3,040	3,343		1974	85	42
	1979	1,638	936		1979	0	0
	1984	1,340	753		1984	0	0
	1989	1,310	784		1989	0	0
WHEELER	1958	1,150	1,543	WILBARGER	1958	6,285	5,735
	1964	3,860	4,780		1964	10,175	11,325
	1969	4,310	3,085		1969	11,156	12,106
	1974	8,030	10,378		1974	11,510	17,433
	1979	13,035	7,788		1979	14,575	24,793
	1984	4,438	4,145		1984	13,190	27,437
	1989	4,204	2,304		1989	12,523	31,018
WICHITA	1958	10,790	24,445	YOUNG	1958	0	0
	1964	18,007	25,807		1964	292	213
	1969	19,610	28,138		1969	453	261
	1974	20,150	29,038		1974	774	337
	1979	20,941	27,517		1979	5	1
	1984	17,230	62,772		1984	575	228
	1989	15,613	21,295		1989	611	468
AREA TOTAL	1958	135,064	185,713	TOTAL ALL AREAS LISTED	1958	6,615,826	9,502,476
	1964	226,707	291,748		1964	7,570,644	12,372,743
	1969	245,427	229,255		1969	8,052,760	11,422,345
	1974	256,683	257,497		1974	8,486,787	12,967,290
	1979	230,268	210,892		1979	7,726,162	9,628,828
	1984	172,948	212,066		1984	6,652,443	9,221,424
	1989	171,493	175,424		1989	5,985,420	8,687,455
REST OF THE STATE	1958	107,788	103,129	STATE TOTAL	1958	6,723,614	9,605,605
	1964	136,237	136,909		1964	7,706,881	12,509,652
	1969	153,489	146,679		1969	8,206,249	11,569,024
	1974	131,267	114,972		1974	8,618,054	13,082,262
	1979	91,519	94,575		1979	7,817,681	9,723,403
	1984	100,182	121,526		1984	6,752,625	9,342,950
	1989	96,387	107,838		1989	6,081,817	8,795,293