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# Chapter 3 – Analysis of Current Water Supplies

# 3.1 Introduction

As presented in *Chapter 1*, groundwater resources in Region H consist of two major aquifers and four minor aquifers. The two major aquifers are the Gulf Coast aquifer and the Carrizo-Wilcox aquifer, with the Gulf Coast aquifer furnishing the majority of groundwater within the region at and south of Waller and Walker Counties. The four minor aquifers present are the Sparta, Queen City, Yegua-Jackson, and Brazos River alluvium.

Much of the regional water demand is supplied by surface water. Of the total year 2000 water demand, over 70 percent, or 1,267,410 acre-feet, was supplied by surface water as found in the TWDB Year 2000 Water Use Survey. Surface water supplies are obtained from the Lake Livingston-Wallisville Salt Water Barrier System on the Trinity River; Lake Conroe and Lake Houston on the San Jacinto River; the Brazos River Authority/U.S. Army Corps of Engineers (BRA/COE) System; ROR flows from the Trinity, Brazos, and San Jacinto Rivers; the corresponding coastal basins; and some smaller tributaries and reservoirs. Groundwater supplies accounted for the remaining 30 percent of the total year 2000 water demand predominately supplied by the Gulf Coast aguifer.

This chapter summarizes the results of Task 3, and describes the resources available to the region and their allocation to Water User Groups (WUGs) throughout Region H. Also, to provide consistency and facilitate the compilation of the different regional plans, Texas Water Development Board (TWDB) required the incorporation of this data into a standardized online database referred to as TWDB DB07. Tables that contain this information are identified below and are located in the appendices accompanying this chapter.

- Table 3A.1 Current Water Supply Sources
- Table 3G.1 Current Water Supplies Available to Region H by City and Category
- Table 3H.1 Current Water Supplies Available to the Regional Water Planning Group by Wholesale Water Provider

Some of the information contained within this chapter is based on information published in *Chapter 1 – Description of the Region*. For a complete and detailed list of sources, see references for *Chapter 1*.

# 3.2 Identification of Groundwater Sources<sup>1</sup>

# 3.2.1 Groundwater Aquifers

As presented in *Chapter 1*, groundwater resources in Region H consist of two major aquifers and four minor aquifers. The two major aquifers are the Gulf Coast aquifer and the Carrizo-Wilcox aquifer, with the Gulf Coast aquifer furnishing the majority of groundwater within the region at and south of Waller and Walker Counties. The four minor aquifers present are the Sparta, Queen City, Yegua-Jackson, and Brazos River alluvium.

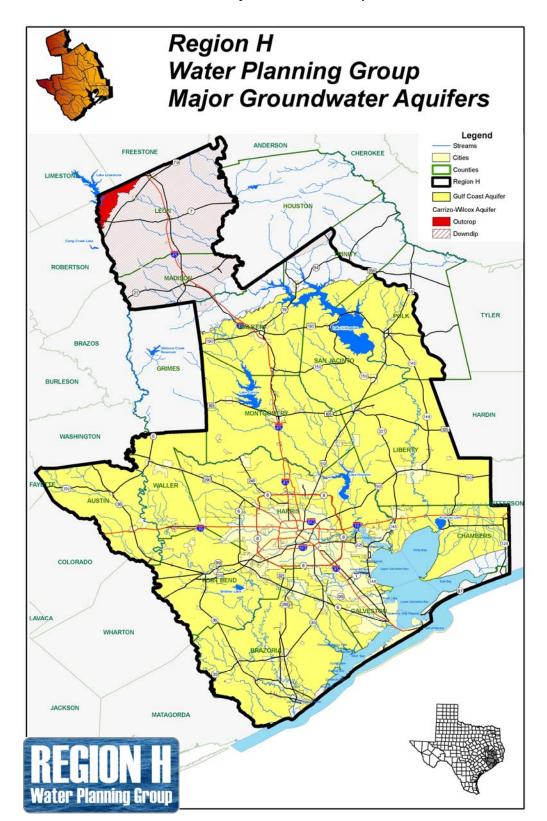
<sup>&</sup>lt;sup>1</sup> The information contained in this portion of Chapter 3 was provided by LBG-Guyton Associates.

The Carrizo-Wilcox is the main aquifer in the northern part of Region H in Leon County and the northern portion of Madison County. The aquifer is composed of, in ascending order, the Wilcox Group and the Carrizo Formation. Because they are weakly connected hydraulically, they are generally described as one major aquifer, but for groundwater flow modeling purposes in the Central Queen City Sparta Groundwater Availability Model developed by TWDB, the Wilcox aquifer is modeled as three separate layers and the Carrizo as one layer. The Wilcox Group is composed of alternating beds of sand, sandy clay, and clay with locally interbedded gravel, silt, clay, and lignite. The Carrizo Formation is a uniform, well sorted sand that contains a few very thin beds of clay and the aquifer dips downward to the southeast at about 70 to 100 feet per mile. The Carrizo-Wilcox aquifer supplies groundwater for domestic, municipal, manufacturing, and agricultural uses in Leon and Madison Counties. Figure 3-1, Major Groundwater Aquifers, provides a map showing the location of the aquifer.

A groundwater availability model (GAM) was developed for the Carrizo-Wilcox, Queen City and Sparta aquifers in the area of Leon and Madison Counties and the model is described in a report prepared by the TWDB entitled *Groundwater Availability Models for the Queen City and Sparta Aquifers*, October 2004. The model divides the Carrizo-Wilcox aquifer into four layers, which are the Carrizo Sand or Carrizo Formation and the Calvert Bluff, Simsboro and Hooper Formations of the Wilcox Group. The model also has layers for the Queen City aquifer and the Sparta aquifer. The main layers of the model that provide substantial amounts of water are the Carrizo Sand and the Simsboro, with a smaller amount of water provided by the Sparta aquifer. Utilization of the model provides an additional method to evaluate the groundwater resources in the northern part of Region H.

The Gulf Coast aquifer consists of four general water-producing units. The geologically youngest unit is the Chicot aquifer, followed by the Evangeline aquifer, the Jasper aquifer, and the Catahoula Formation. The Chicot and Evangeline aquifers are the more prolific water-producing units in the Gulf Coast aquifer followed by the Jasper aquifer and the Catahoula Formation. The aquifer extends from the Gulf Coast to approximately 100 to 120 miles inland in Walker and Trinity Counties. The units are composed of alternating beds of sand, silt, and clay, and shale can occur at deeper depths at and below the base of the Evangeline aquifer. Formation beds vary in thickness and composition and the areal extent of individual beds normally cannot be traced over extended distances. Total aquifer sand thickness varies and can be as great as several hundred feet. The Gulf Coast aquifer supplies groundwater for domestic, municipal, manufacturing, and agricultural uses in Austin, Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, Polk, San Jacinto, Trinity, Walker, and Waller Counties.

Figure 3-1
Major Groundwater Aquifers



A groundwater flow model has been developed by the TWDB for the Gulf Coast aquifer that includes the counties in Region H and the GAM was released in February 2005. The model has four layers to represent the Gulf Coast aquifer and these layers include Layers 1, 2, 3, and 4, representing the Chicot aquifer, Evangeline aquifer, Burkeville confining unit, and Jasper aquifers, respectively. The model provides an additional tool for evaluating the groundwater resources within Region H.

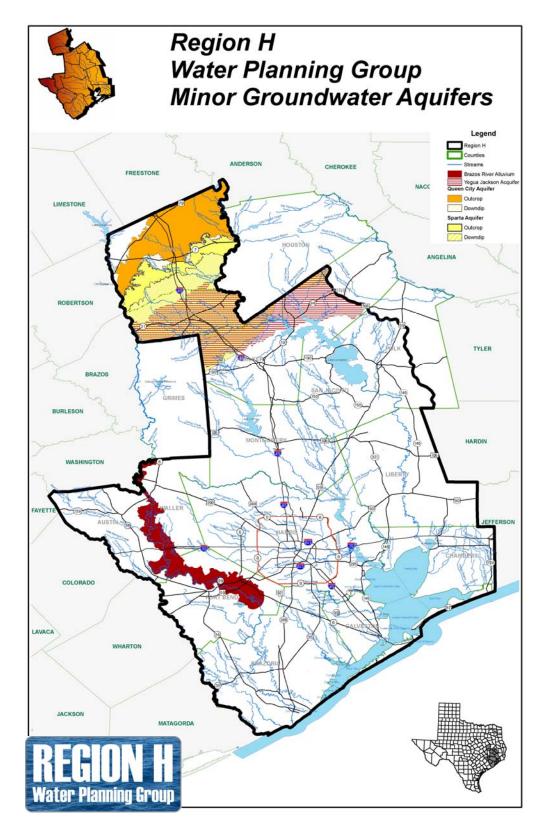
The Queen City Formation is a minor aquifer that occurs in central and southeastern Leon County and in the northern part of Madison County. The Queen City Formation is composed of sand and loosely cemented sandstone with interbedded shale layers occurring throughout. The Queen City Formation ranges in thickness from 250 to 400 feet with approximately 60 to 70 percent of the total thickness being sand according to Texas Water Commission Bulletin 6513 (1965), "Availability and Quality of Ground Water in Leon County, Texas". The aquifer is further described in the GAM model report developed by the TWDB and released in 2004. Groundwater in small to moderate quantities is provided by the Queen City Formation for domestic, municipal, industrial, and agricultural uses in Leon and Madison Counties.

The Sparta Formation or Sparta Sand is another minor aquifer that occurs in southeastern Leon County, all of Madison County, northwestern Walker County, and northeastern Trinity County. The Sparta Formation consists of sand and interbedded clay, with the lower portion of the aquifer containing massive unconsolidated sands with a few layers of shale. The Sparta Formation ranges in thickness from 150 to 300 feet in Leon County (Texas Workforce Commission Bulletin 6513) and Madison County. Groundwater from the aquifer is provided for domestic, municipal, and agricultural uses in Leon County and for domestic, municipal, manufacturing, and agricultural uses in Madison County. The Sparta Formation is the groundwater source for the Town of Madisonville and for some water supply corporations in the area.

The Yegua Formation and Jackson Group make up a minor aquifer, designated as the Yegua-Jackson aquifer, that occurs within the region in parts of Madison, Walker, Trinity, and Polk Counties. The Yegua Formation consists of sand, interbedded clay, and scattered lignite. The Jackson Group includes all strata between the Yegua Formation and the Catahoula Sandstone and consists of sand, clay, sandstone, and siltstone. The Yegua Formation ranges in thickness from 1,000 to 1,500 feet, and the Jackson Group is approximately 1,100 feet thick, according to Texas Board of Water Engineers Bulletin 5003 (1950), "Geology and Ground-Water Resources of Walker County, Texas". Small to moderate quantities of groundwater are provided by the Yegua-Jackson aquifer for domestic, municipal, industrial, and agricultural uses.

The Brazos River alluvium is the fourth minor aquifer in the region. The Brazos River alluvium occurs in the floodplain and terrace deposits of the Brazos River in Austin, Fort Bend, and Waller Counties as shown on Figure 3-2, Minor Groundwater Aquifers. The Quaternary alluvial sediments consist of clay, silt, sand, and gravel according to TWDB Report 345 (1995), *Aquifers of Texas*, with the more permeable sand and gravel present in the lower part of the aquifer. The saturated thickness of the sediments is as much as 85 feet and the width of the alluvium ranges from less than 1 mile to approximately 7 miles, with the Brazos River located within the width of the alluvial deposits. The Brazos River alluvium supplies groundwater for domestic and agricultural purposes in Fort Bend and Waller Counties. In Austin County, it supplies groundwater for domestic, manufacturing, and agricultural uses.

Figure 3-2
Minor Groundwater Aquifers



Recharge to the two major and four minor aquifers is principally from the infiltration of precipitation and streamflow on the outcrops, as shown in Figure 3-3, Aquifer Outcrop Areas. A portion of the water infiltrates to the zone of saturation and then moves downdip through the aquifers, while large amounts of precipitation on the outcrops are rejected recharge, and become surface water runoff to ponds, lakes, creeks, streams and rivers. Average annual precipitation in Region H ranges from about 40 inches per year in the northern area to about 50 to 54 per year inches in the southeastern area.

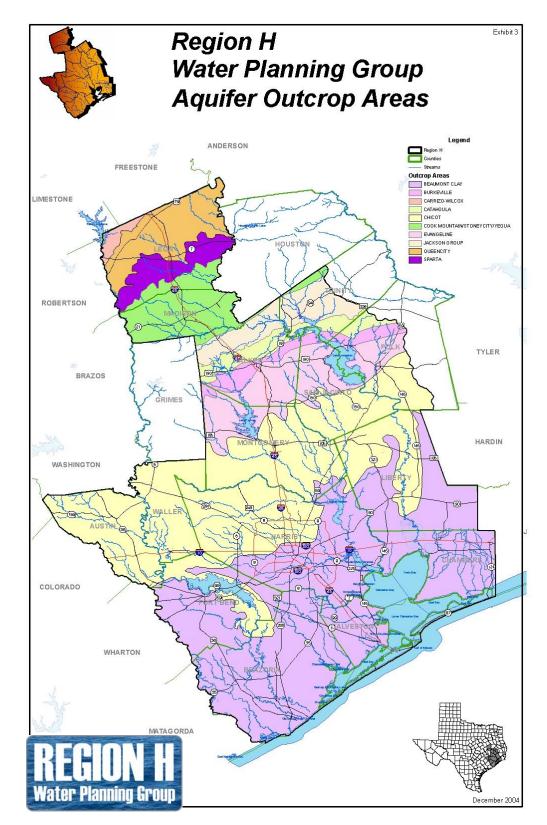
# 3.2.2 Groundwater Use Overview

According to TWDB and Harris-Galveston Subsidence District (HGSD), Region H pumped approximately 671,566 acre-feet of groundwater in 2000. Groundwater in the region is used for domestic, municipal, manufacturing, steam-electric power cooling, and agricultural purposes. The majority of the water is used for municipal purposes. Municipal usage accounts for approximately 78 percent or 527,006 acre-feet of the water pumped. Municipal pumpage consists of water used for cities and communities, parks, campgrounds, and water districts serving principally residential developments. Agricultural usage accounts for approximately 14 percent or 92,953 acre-feet of the groundwater pumped. Major agricultural crops include rice, soybeans, corn, cotton, and hay. Cattle are the principal livestock raised in the region. Finally, industrial usage represents approximately 8 percent or 51,607 acre-feet of the groundwater—water pumped for manufacturing, mining, steam-electric power, and other industrial needs. A majority of the overall groundwater usage is in the southern part of the region where more of the population, industrial, and agricultural demands exist and where the aquifer is capable of providing large quantities of water for the various uses.

# 3.2.3 Aquifer Conditions

Groundwater conditions within the region have been and should continue to be favorable for the pumping of substantial quantities of good quality water to help satisfy the multiple water needs of the region. The principal aquifers that will provide the water include the Carrizo-Wilcox in Leon and Madison Counties, the Sparta aquifer system in Madison, Walker and Trinity Counties, and the Gulf Coast aquifer system in the central and southern sections of the region. Smaller amounts of water can be provided by the Queen City, Sparta, Yegua- Jackson, and Brazos River alluvium aquifers, with the minor aquifers being particularly important in areas that do not require large quantities of water to reliably meet the demands.

Figure 3-3
Aquifer Outcrop Areas



#### 3.2.3.1 Carrizo-Wilcox Aquifer

The Carrizo-Wilcox aquifer was deposited in a manner that resulted in a sequence of geologic formations of interbedded sand, silt, clay and shale having a thickness of about 2,000 feet in the northern part of the region. The Carrizo Sand is one of two principal water-producing units of the Carrizo-Wilcox aguifer and it is about 100 to 200 feet thick. The Simsboro Sand is the major waterproducing unit in the Wilcox and it is about 200 to 400 feet thick. Currently, the overall availability of water from the Carrizo-Wilcox aquifer in Leon and Madison Counties is about 8,400 acre-feet per year based on the management plan adopted by the Mid-East Texas Groundwater Conservation District (METGCD) that includes Leon and Madison Counties. The estimate of groundwater availability for the two counties is under review by the METGCD and may be revised in the future. In 2000, about 4,030 acre-feet of groundwater was pumped from the aquifer in the two counties, based on data from TWDB. Conditions are favorable in the two counties to develop additional supplies from the Carrizo-Wilcox aquifer. The development should be done in a manner that will properly manage the aquifer and monitor its response to the stress of additional groundwater pumping. Water from the aguifer contains less than 1,000 milligrams per liter (mg/l) of total dissolved solids, but water from the Carrizo Sand can contain elevated levels of iron that require sequestering or treatment for removal for water used for most municipal and industrial purposes.

#### 3.2.3.2 Gulf Coast Aquifer

The Gulf Coast aquifer was deposited in a manner that resulted in interbedded sand and clay layers with a substantial thickness of sand that contains water of good quality. The lower unit of the aquifer, the Catahoula Sandstone, is screened by wells for the City of Huntsville and other wells in Walker County. To the south in Galveston County, the Chicot unit is screened in wells used by the City of Galveston. The aquifer is capable of yielding larger quantities of water in the central and southern parts of Region H and has been utilized over the past 100 years to provide part of the water supply. The Gulf Coast aquifer has sand thicknesses ranging from about 200 to 500 feet in the central and southern parts of the region with the sands containing freshwater decreasing in thickness as the aquifers approach within about 30 to 40 miles of the Gulf Coast.

The pumpage of large quantities of water in the southern part of the region has caused the aquifer potentiometric head to decline from 50 to about 350 feet in parts of Harris County. Land subsidence of significant magnitude has occurred in parts of Harris and Galveston Counties, resulting in the gradual reduction and shift in areal extent of groundwater pumping to the west over the past 25 years. Subsidence is discussed in the next section of this report.

Digital groundwater flow models have been developed over the past 25 years for the Chicot and Evangeline aquifers in the southern part of Region H to help assess the groundwater resources. As mentioned previously, the most recent digital model was developed by the U. S. Geological Survey for the TWDB with a 2004 report regarding the model titled "Hydrogeology and Simulation of Ground-Water Flow and Land-Surface Subsidence in the Northern Part of the Gulf Coast Aquifer System, Texas."

#### 3.2.3.3 Queen City and Sparta Aguifers

The Queen City and Sparta aquifers occur in the northern part of the region and are capable of providing some water in Leon, Madison, and Trinity Counties, and the northern part of Walker County. Estimated overall availability from the aquifers is about 25,525 acre-feet/ year based on groundwater supply data from TWDB. Water availability estimates from the Queen City and Sparta aquifers for the year 2000 are approximately 12,455, 10,790, 245, and 2,035 acre-feet per year in Leon, Madison, Trinity, and Walker Counties, respectively. The two aquifers are composed of sands that can provide small to moderate quantities of water to wells. The water-transmitting capabilities of the aquifers are

limited but adequate for meeting smaller demands (pumping rates of 50 to 1,000 gallons per minute [gpm]). The aquifers contain water with less than 1,000 mg/l of total dissolved solids to depths that range from about 800 to 1,000 feet. Pumping from the two aquifers in Leon and Madison Counties in the year 2000 was about 3,500 acre-feet based on data from TWDB. No pumpage was recorded in the year 2000 TWDB data for either aquifer for Trinity and Walker Counties.

#### 3.2.3.4 Yegua-Jackson Aquifer

The Yegua-Jackson aquifer is located in the northern part of the region and is capable of providing some water in Madison, Polk, Trinity, and Walker Counties. However, estimated usage specifically for the Yegua-Jackson aquifer has not yet been determined by TWDB for these counties. Each of these counties has data available for other-undifferentiated aquifers. According to the TWDB data, the total amount used in these four counties in this category was approximately 3,100 acre-feet in 2000.

The aquifer is composed of sands that can provide small to moderate quantities of water to wells. According to TWDB estimates in the 2002 Texas State Water Plan, yields of most wells completed in the Yegua-Jackson aquifer are small, less than 50 gpm, and net fresh water sands are generally less than 200 feet thick at any location within the aquifer. The quality of the water in the aquifer ranges from good to slightly saline. The 2002 plan also estimates that the entire Yegua-Jackson aquifer in the state produced about 11,000 acre-feet of water in 1997.

#### 3.2.3.5 Brazos River Alluvium

The Brazos River alluvium is a shallow aquifer that is about one to seven miles wide in a corridor along the Brazos River in Waller, Austin, and Fort Bend Counties. The aquifer typically does not extend to a depth greater than 100 feet deep with wells mostly constructed to provide water for irrigation of row crops and hay. The aquifer may contain water with total dissolved solids that approach 1,000 mg/l and a high total hardness due to the amounts of calcium, magnesium, and sulfate in the aquifer water. Based on estimates from TWDB, the overall availability of water from the Brazos River alluvium in Austin, Waller, and Fort Bend Counties is about 41,500 acre-feet per year with 2000 pumpage in Fort Bend County estimated at 8,737 acre-feet per year by TWDB. No pumpage was recorded in the 2000 TWDB data for either Austin or Waller Counties. The aquifer should continue to be able to provide water for various uses.

# 3.2.4 Subsidence Effects

Subsidence has occurred principally in Harris, Galveston, Brazoria, Fort Bend, and Chambers Counties, as the result of the withdrawal of large quantities of groundwater from the Chicot and Evangeline aquifers. Studies and reports prepared by the U. S. Geological Survey and the HGSD show that about 9-plus feet of land subsidence occurred in a small part of the Houston Ship Channel area with less subsidence further away from the ship channel area. In the City of Katy, total subsidence through the year 2005 is estimated to be about 1.7 feet. In the City of Rosenberg in Fort Bend County, estimated subsidence is less than 1 foot through 2005. HGSD has developed regulatory plans that have been updated through the years. Groundwater pumping in Harris and Galveston Counties has decreased over the past 23 years as additional surface water has been utilized and less groundwater has been pumped.

A regulatory plan adopted by HGSD in 1999 prescribes general areal pumpage limits for the next three decades until 2030. The regulatory plan pumping requirements were used in estimating the availability of groundwater within the Harris and Galveston Counties area with the estimate of groundwater availability in 2010 being 346,040 acre-feet and decreasing to 228,975 acre-feet per year by 2030. HGSD regulatory plan essentially segments Harris and Galveston Counties into geographic regions and mandates a reduction in groundwater pumpage per a scheduled reduction timeline. Water users located within the southeastern portion of Harris County and all of Galveston A

regulatory plan adopted by HGSD in 1999 prescribes general areal pumpage limits for Harris and Galveston Counties for the next three decades until 2030. The regulatory plan pumping requirements were used in estimating the availability of groundwater within the Harris and Galveston Counties area with the estimate of groundwater availability in 2010 being 346,040 acre-feet per year and decreasing to 228,975 acre-feet per year by 2030. HGSD regulatory plan essentially segments Harris and Galveston Counties into three geographic regulatory areas and mandates a reduction in groundwater pumpage per a scheduled reduction timeline. Water users located within the southeastern portion of Harris County and all of Galveston County currently must receive no more than 10 percent of their total water supply from groundwater. This limit or any updated limit adopted by HGSD will exist throughout the Region H planning period. The remainder of Harris County is segmented within two other regulatory areas. Water users within Regulatory Area 2, which comprises the central and east portion of the county, must receive no more than 20 percent of their water supply from groundwater as of year 2000. Groundwater users within the remainder of Harris County, within HGSD Regulatory Area 3, can receive only 70 percent of their water supplies from groundwater by year 2010, 30 percent of their water as groundwater by year 2020, and only 20 percent of their water supply from groundwater by year 2030. These regulatory limitations affect all of the WUGs (except irrigation for agricultural purposes and livestock uses) within Harris and Galveston Counties by year 2010, causing a continuing decrease in the allowable amount of groundwater that can be pumped in these two counties over time.

A regulatory plan adopted by the Fort Bend Subsidence District (FBSD) in 2003 also prescribes general areal pumpage limits for the next three decades until 2030 for Fort Bend County. The plan includes pumping limits to control subsidence within the District, as needed. The FBSD regulatory plan essentially segments Fort Bend County into geographic regions and requires reductions of groundwater pumpage per a scheduled reduction timeline. Water users located within the northwestern portion of Fort Bend County (Area A) must receive no more than 70 percent of their total water supply from groundwater by 2013 and 40 percent of their water as groundwater by year 2025. This limit or a more stringent limit adopted by FBSD will exist throughout the Region H planning period. Water users within the Richmond/Rosenberg Sub Area, which comprises the central portion of the county, must receive no more than 70 percent of their water supply from groundwater as of year 2015 and 40 percent of their water as groundwater by year 2025. Groundwater users within the remainder of Fort Bend County, FBSD Regulatory Area B, must be permitted for increases in withdrawal but are not currently subject to groundwater reduction requirements. These regulatory limitations affect all of the WUGs (except irrigation for agricultural purposes) within Fort Bend County by year 2013 or 2015, causing a decrease in the allowable amount of groundwater that can be pumped in the county over time.

# 3.2.5 Groundwater Availability in Fort Bend and Montgomery Counties

Groundwater pumpage in Fort Bend County has been increasing over the past years from approximately 69,000 acre-feet per year in 1990 to about 90,060 acre-feet per year in 2003 and 91,320 acre-feet per year in 2004, based on data provided by FBSD. Groundwater availability for the county was estimated by FBSD at about 109,300 acre-feet per year from the Gulf Coast aquifer in the year 2000, and reduced to 89,600 acre-feet per year in 2030. Over the past 10 years, static water levels within the county in observation wells completed in the Chicot and/or Evangeline aquifer have fluctuated some, but generally have been stable in east, west and central Fort Bend County. In the north part of Fort Bend County, there has been about 35 to 45 feet of water-level decline over the past 10 years in some wells that screen the sands in the Evangeline aquifer (refer to Figure 3-4 through Figure 3-7).

Figure 3-4
East Fort Bend County – Static Water Levels in Wells

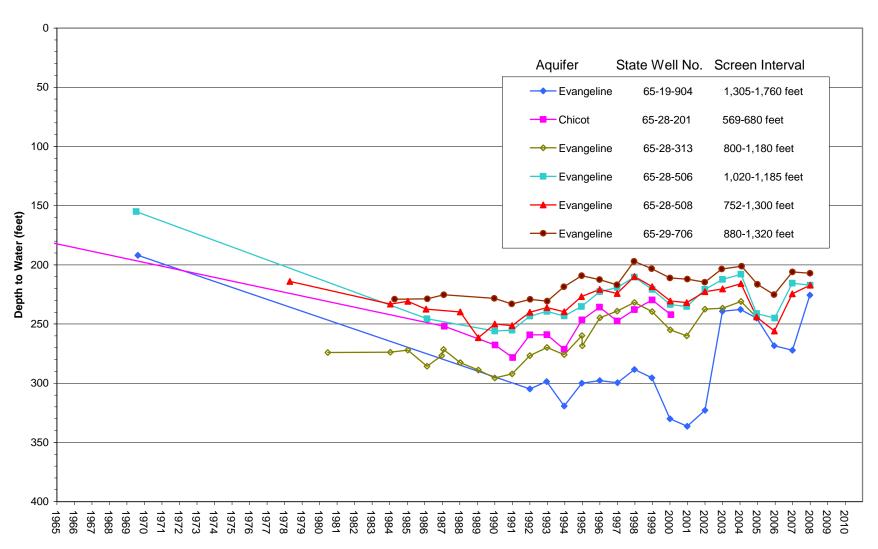


Figure 3-5
Southwest Fort Bend County – Static Water Levels in Wells

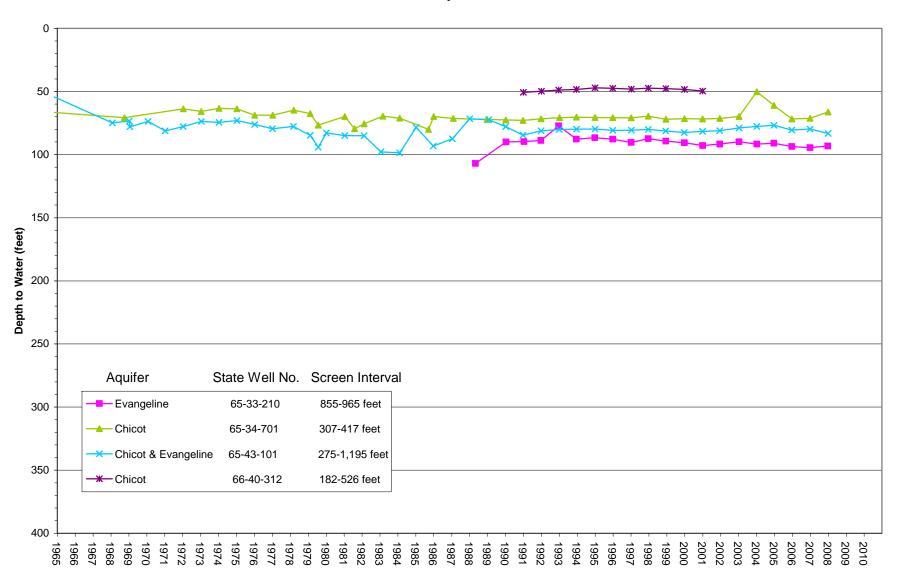


Figure 3-6
North Fort Bend County – Static Water Levels in Wells

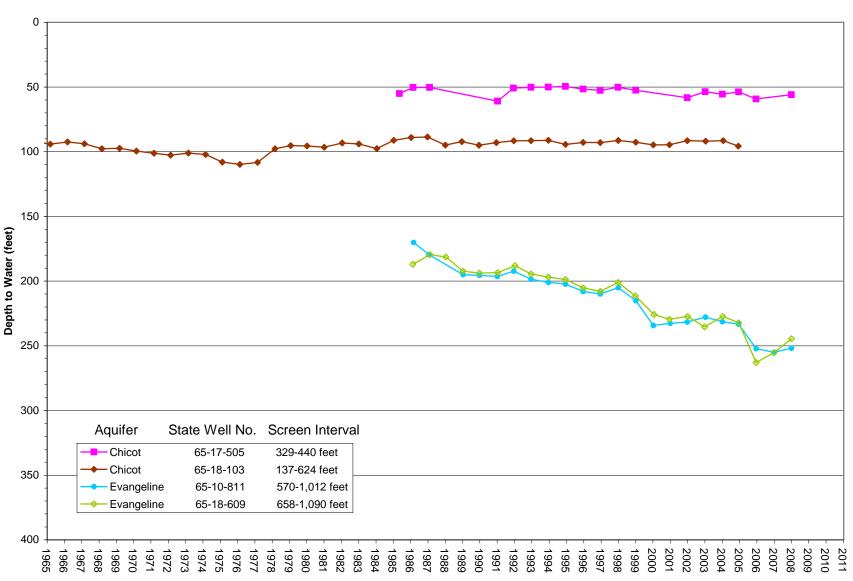
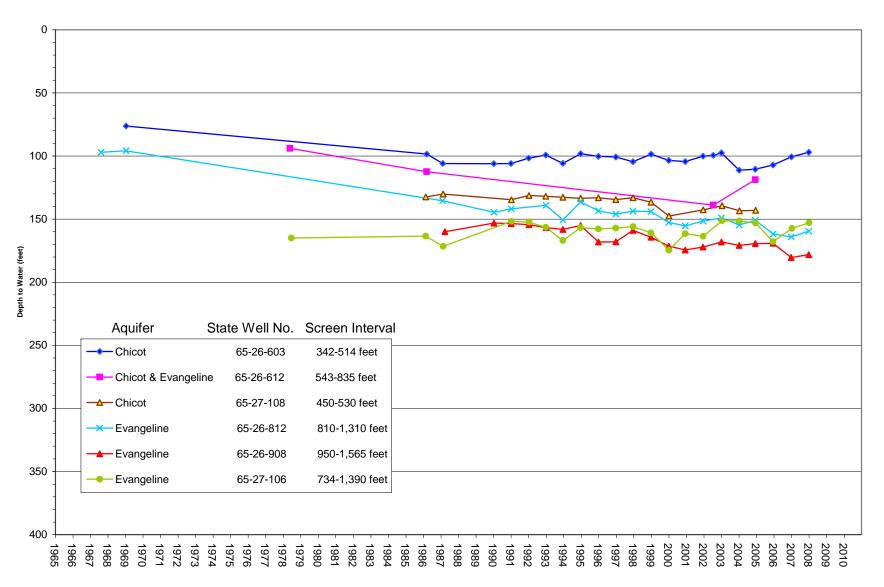


Figure 3-7
Central Fort Bend County – Static Water Levels in Wells



The Gulf Coast aquifer provides groundwater to Montgomery County, with the Jasper aquifer being the principal source for about two-thirds of the county, and the Chicot and Evangeline aquifers providing water in the south central and southeast parts of the county. The estimated groundwater availability from the Gulf Coast aquifer is about 64,000 acre-feet per year, based on the groundwater management plan adopted by the Lone Star Groundwater Conservation District. Pumpage within the county was about 55,990 acre-feet in 2000 and 52,640 acre-feet in 2004, based on data from TWDB and the Lone Star GCD. Pumpage principally is in the central and southern parts of the county along the Interstate Highway 45 (IH 45) corridor, around Lake Conroe, and in the southeastern part of the county north of the City of Humble.

The estimated availability of groundwater within Montgomery County from the Gulf Coast aquifer is about 64,000 acre-feet per year. Past pumpage and subsequent aquifer response to pumpage show that the development of additional groundwater will cause further potentiometric head decline in wells. Groundwater pumpage should be spread throughout the county to take advantage of developing water in areas where aquifer conditions are favorable but where the demand has not developed for the water, which is principally in the western and eastern portions of the county away from the IH 45 corridor area.

# 3.2.6 Public Supply Groundwater Usage

Region H relied on groundwater to provide approximately 50 percent or 527,006 acre-feet of the municipal water supply in 2000. Austin, Leon, Liberty, Madison, Montgomery, and Waller Counties relied on groundwater to supply essentially 100 percent of the domestic and municipal demand. **Table 3-1** gives the amount of groundwater pumped for municipal purposes for each county in the region as reported by TWDB. Within the region, Harris County accounted for the most municipal groundwater usage in 2000 with 337,837 acre-feet. The next highest demands in 2000 were Fort Bend County with 68,257 acre-feet, Montgomery County with 52,333 acre-feet, and Brazoria County with 26,796 acre-feet. Municipal users represent cities and communities, parks, campgrounds, and water districts. The year 2000 had below normal precipitation for the year and during the summer months, so groundwater pumpage in 2000 was higher than normal.

According to TWDB and HGSD, in 2000 Region H relied on groundwater to provide approximately 8 percent of the water used for industrial purposes, which was approximately 51,607 acre-feet. Industrial consumption represents water that is used for manufacturing, mining, and steam-electric power. Table 3-2 shows the amount of groundwater used for industrial purposes for each county in the region. Within the region, Harris County accounted for the most industrial groundwater usage in 2000 with approximately 20,800 acre-feet. The next highest users were Fort Bend County with 9,670 acre-feet, Liberty County with 8,952 acre-feet, and Chambers County with 4,063 acre-feet.

# 3.2.7 Industrial Groundwater Usage

According to TWDB and HGSD, in 2000, Region H relied on groundwater to provide approximately 8 percent of the water used for industrial purposes, which accounted for approximately 51,607 acre-feet of the groundwater used in Region H. Industrial consumption represents water that is used for manufacturing, mining, and steam-electric power. Table 3-2 shows the amount of groundwater used for industrial purposes for each county in the region. Within the region, Harris County accounted for the most industrial groundwater usage in 2000 with approximately 20,800 acre-feet. The next highest users were Fort Bend with 9,670 acre-feet, Liberty with 8,952 acre-feet, and Chambers with 4,063 acre-feet.

# 3.2.8 Agricultural Groundwater Usage

According to TWDB and HGSD, in 2000, Region H relied on groundwater to provide approximately 32 percent of the water used for agricultural purposes. This equaled approximately 14 percent or 92,953 acre-feet of the total groundwater used in the region. Agricultural usage represents water that

is used for livestock purposes and irrigation of crops. The main agricultural crops in the region include rice, cotton, and soybeans in the south and corn, cotton, and hay in the north. Cattle are the principal livestock raised. Table 3-3 shows the amount of groundwater used for agricultural purposes for each county in the region. Within the region, Fort Bend County accounted for the most agricultural groundwater usage in 2000 with 24,971 acre-feet. The next highest user is Waller County with 22,765 acre-feet followed by Harris County with approximately 20,800 acre-feet.

Table 3-1

Municipal Groundwater Demand From 2000 TWDB Data

County	Total Groundwater Used (acre-feet)	Groundwater Used for Municipal Purposes (acre-feet)	Percent of County's Total Groundwater Used for Municipal Purposes	Percent of County's Municipal Water Demand Supplied by Groundwater
Austin	13,004	3,569	27.4	100.0
Brazoria	36,925	26,796	72.6	66.9
Chambers	6,355	2,014	31.7	45.5
Fort Bend	102,898	68,257	66.3	98.8
Galveston	5,791	5,163	89.2	14.0
Harris	379,209	337,837	89.1	42.1
Leon	4,849	1,883	38.8	100.0
Liberty	22,113	9,401	42.5	100.0
Madison	3,180	2,621	82.4	100.0
Montgomery	55,403	52,333	94.5	100.0
Polk	4,626	3,952	85.4	68.0
San Jacinto	2,931	2,742	93.6	96.8
Trinity	1,370	1,200	87.6	65.6
Walker	5,386	4,625	85.9	31.4
Waller	27,526	4,613	16.8	100.0
Total	671,566	527,006	78.5	

Table 3-2
Industrial Groundwater Demand From 2000 TWDB Data

County	Total Groundwater Used (acre-feet)	Groundwater Used for Industrial Purposes (acre-feet)	Percent of County's Total Groundwater Used for Industrial Purposes	Percent of County's Industrial Water Demand Supplied by Groundwater
Austin	13,004	204	1.6	97.6
Brazoria	36,925	2,139	5.8	1.9
Chambers	6,355	4,063	63.9	8.8
Fort Bend	102,898	9,670	9.4	13.7
Galveston	5,791	200	3.5	0.5
Harris	379,209	20,800	5.5	6.8
Leon 4,849		1,410	29.1	61.7
Liberty	22,113	8,952	40.5	100.0
Madison	on 3,180 211		6.6	100.0
Montgomery 55,403 2,800		5.1	62.1	
Polk 4,626 419		9.1	79.4	
San Jacinto 2,931 75		75	2.6	100.0
Trinity	1,370	8	0.6	100.0
Walker	5,386	508	9.4	20.1
Waller 27,526 148		0.5	100.0	
Total	671,566	51,607	7.7	

Table 3-3
Agricultural Groundwater Demand From 2000 TWDB Data

County	Total Groundwater Used (acre-feet)	Groundwater Used for Municipal Purposes (acre-feet)	Percent of County's Total Groundwater Used for Municipal Purposes	Percent of County's Agricultural Water Demand Supplied by Groundwater
Austin	13,004	9,231	71.0	75.5
Brazoria	36,925	7,990	21.6	8.0
Chambers	6,355	278	4.4	0.7
Fort Bend	102,898	24,971	24.3	49.9
Galveston	5,791	200	3.5	3.9
Harris	379,209	20,800	5.5	89.8
Leon	4,849	1,556	32.1	69.7
Liberty	22,113	3,760	17.0	13.0
Madison	3,180	348	10.9	40.0
Montgomery	55,403	270	0.5	46.9
Polk	4,626	255	5.5	54.0
San Jacinto	2,931	114	3.9	12.0
Trinity	1,370	162	11.8	18.6
Walker	5,386	253	4.7	40.0
Waller	27,526	22,765	82.7	98.4
Total	671,566	92,953	13.8	

# 3.2.9 Groundwater Drought Susceptibility

The aquifers within Region H generally have high transmissivity rates or values and are less susceptible to drought because there is a very large amount of water in storage in the aquifers to serve as a buffer and the static water levels do not fluctuate drastically during a severe drought. The static water levels recover following a drought when groundwater withdrawals are less. In general, Region H water suppliers have established drought triggers for their groundwater systems as a function of system capacity (wells, pumps, storage, etc.) as opposed to other regions where static aquifer groundwater levels are used as drought triggers.

# 3.2.10 Groundwater Availability Summary

Groundwater has been an important water resource within Region H for the past 100 years. The major Carrizo-Wilcox and Gulf Coast aquifers and minor Sparta, Queen City, Yegua-Jackson, and Brazos River alluvium aquifers should continue to provide an important water resource to the region that will be used in combination with surface water to help satisfy the regional water demand. Water of good quality continues to be available from the aquifers and should continue in the future with prudent management of the resource. Groundwater supplies were calculated for each county and basin from various sources and are provided in *Table 3A.1*.

For aquifers in Fort Bend, Galveston, and Harris Counties, which are within the jurisdictions of FBSD and HGSD the available supplies shown in *Table 3A.1* represent the regulated groundwater supplies set by the districts and not necessarily the amount of water available from the aquifer. Water User Groups that are not regulated by the subsidence districts, such as irrigators and small domestic well users, would be allowed to withdraw water in excess of these supplies in order to meet their demands. The certified groundwater management plan for the Bluebonnet Groundwater Conservation District was used as a basis for estimating groundwater availability in Austin and Walker Counties. The certified groundwater management plan for the Lone Star Groundwater Conservation District was used as a basis for determining or estimating groundwater availability in Montgomery County.

Groundwater availability within HGSD is consistent with the HGSD groundwater reduction plan through 2030. Groundwater availability within HGSD may change a modest amount after 2030 depending on the updating of the groundwater reduction plan in future years. For this current planning effort it is assumed that groundwater availability will remain the same after 2030 within HGSD with the understanding that if the district's groundwater reduction plan is revised at a future date, the estimates of groundwater availability after 2030 may also be revised.

Groundwater availability within Austin, Waller and Walker Counties is based on information provided by the Bluebonnet Groundwater Conservation District. The district is participating in the GMA-14 effort which is developing desired future conditions for the aquifers. That planning effort is to be completed by September 2010. Groundwater availability in Austin, Waller and Walker Counties may change a modest amount based on the results of the GMA-14 desired future conditions planning effort. If that occurs, revised estimates of groundwater availability will be included in future Region H planning efforts.

# 3.3 Identification of Surface Water Sources

As stated in *Chapter 1*, surface water sources in Region H consist of reservoir storage, ROR supply from the three rivers (the Trinity, San Jacinto, and Brazos), and four coastal basins (the Neches-Trinity, Trinity-San Jacinto, San Jacinto-Brazos, and Brazos-Colorado). The water supply information presented is based on the Texas Commission on Environmental Quality (TCEQ) Water Availability Models (WAM), updated specifically for the Regional Water Plan. A map showing major surface water sources that serve Region H is included as Figure 3-8.

#### 3.3.1 Available Surface Water

Surface water availability was estimated using the TCEQ WAM for the river basins within Region H. The WAMs use the Water Rights Analysis Package (WRAP), developed at Texas A&M University, to simulate diversions under current and future conditions using historical rainfall and evaporation data (the model does not increase diversion amounts over time, as will actually occur). Instead, the model simulates one set of monthly diversion targets attempted annually against a historical inflow dataset, which is typically 50 years long and varies each year. The drought of record (DOR) for most of Texas occurred in the 1950s and is reflected in the historic dataset for each basin. Water diversions are modeled according to the parameters of each particular water right and taken in priority order, so that the most senior water rights are satisfied before junior rights are allowed to divert water. Output files are compared by reviewing the statistical frequency of meeting diversion amounts or target instream flow levels.

In the 2006 Region H Water Plan the reliability of run-of-river water rights was evaluated in terms of reliable yield; that is, the least amount of water diverted amongst all of the calendar years modeled. While this assumption is adequate for water users that may not require steady monthly diversions during a drought of record, other users such as municipal and industrial demands typically require a higher degree of water availability. To address this concern, the 2011 Region H Water Plan evaluated water rights on a monthly basis in addition to an annual basis. The monthly firm yield of run-of-river water rights was evaluated by iteratively reducing the annual target diversions until no monthly shortages occur throughout the simulation period. The reliable yield of a water right is the least amount of water diverted among all of the calendar years modeled.

For reservoirs, an additional step is required to determine firm yield. Water stored in reservoirs allows diversions to continue during periods of drought; however, diverting at high rates rapidly depletes storage. To find the optimal target for a reservoir, an iterative process is used, modeling the permited diversion first at its full authorized amount, and then at reduced target diversions until a yield is identified that is met throughout the simulation period.

There were originally eight WAM scenarios (referred to as model runs) simulated under the TCEQ program. The Guidelines for Regional Water Planning require the use of WAM Run 3, full-authorized diversion of current water rights with no return flows, when determining the supply available to the region. This is a very conservative approach, since diversions for municipal and manufacturing use typically return up to 60 percent of that water to streams as treated wastewater effluent. However, the majority of water rights do not address return flows to source streams, implying a right to full consumptive use. The Region H Planning Group adopted the Region G – Brazos G WAM which modified the Brazos River WAM Run 3 to allow for some return flows from wastewater plants in the Brazos River basin. Further discussion of the Brazos G WAM is described in detail in *Section 3.3.1.6 Brazos River Basin*.

Table 3-4 summarizes the projected yield from surface water supply sources currently available to Region H. The total of about 2,682,000 acre-feet per year is approximately equal to the estimated total in the 2006 Regional Water Plan, but the distribution between permits has changed. The yield of several reservoirs decreased due to the projected storage loss as a result of sedimentation, but additional water rights were added as a result of the WAM modeling. The major water rights and modeling assumptions for each basin are discussed in detail below.

Figure 3-8
Major Surface Water Sources

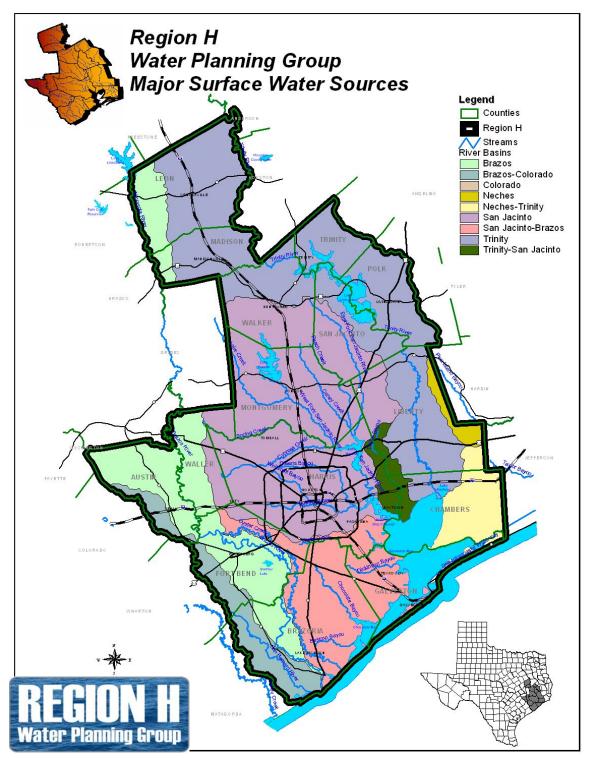


Table 3-4
Current Surface Water Supply Sources Available in Region H

Projected Year 2060 Available Yield				
Basin/Reservoir/Run-of-River	(acre-feet/year)			
Sam Rayburn Reservoir and Neches Basin Supplies <sup>1</sup>	64,177			
Neches-Trinity Coastal Basin	21,753			
Trinity Basin				
Lake Livingston/Wallisville	1,344,000			
Run-of-River, Lower Basin	224,530			
Trinity – San Jacinto Coastal Basin	34,313			
San Jacinto River Basin				
Lake Houston	168,000			
Lake Houston Additional Yield	5,000			
Lake Conroe	74,300			
Run-of-River	55,000			
San Jacinto – Brazos Coastal Basin	35,097			
Brazos River Basin				
BRA/COE System <sup>2</sup>	155,030			
Run-of-River, Lower Basin	449,773			
Brazos – Colorado Coastal Basin	12,019			
Local Supplies (i.e. Stock ponds, etc), all basins	31,895			
Total Existing Surface Water Supply Available to Serve Region H	2,692,193			

The total yield of Sam Rayburn Reservoir is approximately 820,000 acre-feet/year. The value shown only includes the portion currently contracted to customers within Region H.

The TCEQ WAM models were updated to add new water rights and reflect the affects of sedimentation on reservoirs. Reservoirs reduce the velocity of the streams they impound, causing suspended soil particles to settle in. Over time, storage volume is lost due to this accumulation. Sedimentation rates were determined and applied to on-channel reservoirs to calculate the year 2000 and year 2060 storage volumes (see Table 3-5). The WAM model was then run under each storage condition. The storage capacity lost to sedimentation reduced the yield of most reservoirs in the year 2060. This change in yield was represented as a linear decline over time in the summary tables.

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<sup>&</sup>lt;sup>2</sup> This amount is based on current contracts within Region H. The total yield of the BRA/COE system is approximately 690,000 acre-feet/year.

Table 3-5
Water Supply Reservoir Capacities

	Surface	Sto	orage Capac	ity		
Reservoir	Elev.	Original	2000	2060		
	feet (msl)	ac-ft	ac-ft	ac-ft		
Trinity Basin						
Livingston	131.0	1,741,867	1,738,326	1,717,083		
Anahuac	5.0	35,300	25,781	25,691		
San Jacinto Basin						
Houston	44.5	133,990	131,547	106,409		
Conroe	201.0	416,228	414,143	377,567		
Brazos Basin – BRA/0	Brazos Basin – BRA/COE System					
Aquilla	537.5	52,400	45,319	20,437		
Alan Henry	2220.0	115,937	94,808	39,478		
Belton	594.0	457,600	437,656	415,255		
Georgetown	791.0	37,100	36,904	36,519		
Granger	504.0	82,000	52,525	20,973		
Stillhouse Hollow	622.0	235,700	227,825	216,165		
Granbury	693.0	153,500	129,011	87,743		
Possum Kingdom	987.0	504,100	540,340	398,000		
Whitney	533.0	627,100	554,203	504,153		
Limestone	363.0	217,494	208,017	172,405		
Proctor	1162.0	59,400	55,457	49,599		
Somerville	238.0	160,100	147,104	126,869		

The total supply available from each source available to Region H is included in *Table 3A.1*, *Current Water Sources*, in *Appendix 3A*. In general, *Table 3A.1* indicates the maximum amount of water supply that could be obtained during DOR conditions from each supply source. This information was compiled from existing contracts and water rights in Region H, the updated WAM for surface water supplies, and groundwater studies addressed in *Section 3.2* of this chapter. Not all of the sources listed in *Table 3A.1* are exclusively available to Region H. Reservoirs located in the upper portions of the Brazos, Trinity, and Neches basins are shown with their firm yield, but the portion of that yield available within Region H is limited to the contracted amounts.

# 3.3.1.1 Neches-Trinity Coastal Basin

Surface supplies in the Neches-Trinity Coastal River Basin were modeled using the TCEQ WAM Run 3 model. Of the water right permits totaling 70,175 acre-feet per year from the Neches-Trinity coastal basin, 40,191 acre-feet per year were reliable during the DOR. Approximately one-third of this firm total is the U.S. Fish and Wildlife Service water right for the Anahuac National Wildlife Refuge. Water rights yielding over 500 acre-feet per year for consumptive uses (all for irrigation) are listed in *Table 3A.1* and have a total reliable yield of 21,753 acre-feet per year. This is almost identical to the basin yield estimated in the 2006 Regional Water Plan (21,701 acre-feet per year). The WRAP input file for this model is included in *Appendix 3B*.

# 3.3.1.2 Trinity River Basin

The Trinity River Basin contains 32 major reservoirs, including two Region H sources, Lake Livingston/Wallisville and Lake Anahuac. The permitted yield of Lake Livingston was diminished using WAM Run 3, but showed a firm yield in excess of the permit amount in the TCEQ WAM Run 1 (full use with expected return flows). In the 2006 Region H Water Plan it was assumed that sufficient return flow from the Upper Trinity Basin would be available throughout the planning period to make

Lake Livingston's permitted yield firm. As part of the 2011 Region Water Plan Update, a special study was included to analyze the upper basin demands, reuse strategies and return flows projected in the 2006 Region C Water Plan and the effects on the firm yield of Lake Livingston. The study also included updates to reuse strategies and projected return flow estimates identified in the 2008 Region C Water Conservation and Reuse Study. The 2011 Region H plan identified the following:

- Projected Return Flows Available at the Oakwood Gage (CP 8TROA)
- Firm Yield of Lake Livingston during each planning period decade
- Necessary level of return flows required to make the permitted yield of Lake Livingston firm

The firm yield of the Lake Livingston water rights is expected to decrease from the full permitted yield of 1,344,000 acre-ft per year in the year 2010 to 1,265,000 acre-ft per year in the year 2030. The decrease in firm yield is the result of increasing amounts of reuse projected in the upper basin, reducing the amount of return flows available to Region H. The firm yield is then projected to increase after 2030 as Region C begins to import water supplies to meet growing demands. By the year 2050 the permitted yield of Lake Livingston is projected to firm. The projected reductions in the firm yield of Lake Livingston are anticipated to be a conservative estimate, as the upper basin is not expected to implement all of the reuse strategies recommended in the 2006 Region C Plan. The results of the study are summarized below:

- Minimum upper basin net return flows of 253,055 acre-ft per year projected in 2030
- Minimum return flows available to Region H in 2030 of approximately 185,500 acre-ft per year
- Firm yield of Lake Livingston water rights are reduced in decades 2020, 2030 and 2050
- Minimum firm yield of Lake Livingston water rights is approximately 1,265,000 acre-ft per year in 2030
- Minimum level of return flows required to make Lake Livingston water rights firm is approximately 285,000 acre-ft per year in 2060

A summary of the return flow analysis and Lake Livingston yield analysis was prepared to coordinate the findings of this study with Region C. The summary report is included in Appendix 3I. The WRAP input files for this analysis are included in *Appendix 3B*.

The reliability of three lower Trinity River ROR supplies came from a set of "fixed right" agreements. The agreements are between the Trinity River Authority (TRA) and the City of Houston (COH) (who jointly own the water rights for Lake Livingston) and three providers of irrigation-water. These irrigation-water providers are the Chambers-Liberty Counties Navigation District (CLCND), the American Rice Growers Co-op Association (Dayton Canal), and the Devers Canal Rice Producers Association (Devers Canal). Pursuant to the fixed right agreement CLCND, Dayton Canal, and Devers Canal are entitled to divert up to 88,820, 33,000, and 86,000 acre-feet per year, respectively. These diversions occur from the Trinity River and some tributaries of the Trinity River. Although these diversions physically take place downstream of Lake Livingston, they are senior in priority to the Lake Livingston water rights.

Approximately 27,500 acre-feet per year of the Devers Canal's 86,000 acre-feet per year is part of the Lake Livingston yield and is reflected in the plan as a contractual commitment of the TRA. Fifty-six thousand of the remaining 58,500 acre-feet per year of the Devers Canal yield was purchased by the San Jacinto River Authority (SJRA), for use in the Trinity-San Jacinto Coastal Basin.

Houston recently purchased outright the entire amount of the Dayton Canal fixed right agreement. Additionally, Houston holds another water right in the Trinity River Basin with an authorized diversion of 45,000 acre-feet per year from the Old River Tributary of the Trinity River. The reliable yield of the run-of-river right is 26,510 acre-ft per year.

In addition to the 58,820 acre-feet per year in the fixed right agreements, CLCND also owns the rights (39,613 acre-feet per year, of which 17,700 acre-feet per year is reliable) to the Turtle Bayou (Lake Anahuac) supply in the Trinity River Basin. The SJRA purchased a portion (30,000 acre-feet per year) of CLCND's fixed right in 2001. The ownership of the Trinity River Basin supplies is summarized in Table 3-6.

Table 3-6
Ownership of Trinity River Basin Supplies

Owner	Source	Permitted Amount (acre-feet/year)	2060 Reliable Yield (acre-feet/year)
СОН	Lake Livingston/Wallisville System	940,800	940,800
TRA	Lake Livingston/Wallisville System	403,200	403,200
COH Trinity River and Big Ditch		38,000	33,000
СОН	COH Old River Tributary		26,510
SJRA Trinity River		86,000	86,000
CLCND	Trinity River	73,334	58,820
CLCND Lake Anahuac		39,613	17,700
Devers Canal Trinity River		2,500	2,500

The supply amounts shown for the Lake Livingston/Wallisville Saltwater Barrier system are the total permitted diversions for each body of water, as discussed in the paragraph above. The City of Houston has a permit to divert 902,800 acre-feet per year from Lake Livingston and 38,000 acre-feet per year from the Wallisville Saltwater Barrier. The TRA has a permit to divert 351,600 acre-feet per year from Lake Livingston and 51,600 acre-feet per year from the Wallisville Saltwater Barrier. Not all of this water would be available to Region H. Of the amount that is owned by the TRA, approximately 16,000 acre-feet per year is committed outside of Region H. In addition, it should be noted that physical diversions are not made from the Wallisville Saltwater Barrier, but the combined yield of Lake Livingston is increased when operated in conjunction with the Wallisville Saltwater Barrier. The increase in yield is a result of the barrier precluding the need for salinity reduction releases for downstream senior water rights.

#### 3.3.1.3 Trinity-San Jacinto Coastal Basin

The surface water supply in the Trinity-San Jacinto Coastal Basin was modeled using WAM Run 3. Water right permits totaling 44,473 acre-feet per year from the Trinity-San Jacinto Coastal Basin were analyzed using the water availability model. Of this, 34,973 acre-feet per year was found to be reliable during the DOR. Water rights yielding over 500 acre-feet per year for consumptive uses are listed in Table 3A.1 located in Appendix 3A, and total 34,313 acre-feet per year. NRG's Cedar Bayou plant has a permit to divert 30,000 acre-feet per year of saline water from Cedar Bayou, which accounts for most of the firm supply. The remaining 4,313 acre-feet per year of reliable yield are irrigation rights. The WRAP input file for this model is included in Appendix 3B.

#### 3.3.1.4 San Jacinto River Basin

The surface water supply in the San Jacinto River Basin was modeled using WAM Run 3. Water right permits totaling 374,544 acre-feet per year from the San Jacinto River Basin were analyzed using the water availability model. Of the 374,544 acre-feet per year permitted, 307,300 acre-feet per year was found to be reliable during the DOR. In addition to the surface water rights, the Indirect Reuse Water Right 10-5809 was issued in June 2004 and included in *Table 3A.1* (*Appendix 3A*), bringing the basin total to 322,244 acre-feet per year. The WRAP input file for this model is included in *Appendix 3B*.

The only ROR diversion right included for the basin is the SJRA permit for 55,000 acre-feet per year. SJRA diversions are physically made from Lake Houston and are the primary source of water for the SJRA Highlands Canal System. The water right is included in the TCEQ model as a run-of-river right as originally permitted. However, the reliability of the water right is based on a water contract between the City of Houston and the San Jacinto River Authority. As a result, the 2011 Region H Water Plan recommends the full permitted amounts of 55,000 acre-ft per year for the SJRA run of river permit and 168,000 acre-ft per year for the Lake Houston permits as reliable in accordance with the 2001 and 2006 Region H Water Plan. Other reliable run-of-river water rights in the basin were either for recreation or less than 500 acre-feet per year and were not included in *Table 3A.1* (*Appendix 3A*).

#### **Lake Houston**

Lake Houston remained reliable at its full permitted diversion, even when the year 2060 sedimentation condition was applied. This is due to its downstream location on the San Jacinto River and its seniority relative to other major water rights in the basin. The COH owns the entire permitted yield from Lake Houston.

# **Lake Conroe**

The Lake Conroe yield declined from its permitted amount of 100,000 acre-feet per year to 74,300 acre-feet per year due to the WAM Run 3 condition and the year 2060 storage capacity estimate. The WAM Run 3 assumption that no return flows will be available greatly impacted the streamflows in the lower San Jacinto Basin. Lake Houston is senior to Lake Conroe, which results in Lake Conroe passing inflows when Lake Houston storage levels drop. As a result of the removal of return flows from the model, Lake Conroe passes more inflows in order to keep Lake Houston full. Also, the bathymetric survey used to determine the sedimentation rate for Lake Conroe identifies a potential discrepancy in the original volumetric capacity of Lake Conroe. This discrepancy likely resulted in a higher than actual sedimentation rate, which also reduces the yield over a 60-year period. It was recommended that a second bathymetric survey be conducted around the year 2005 to recalculate the sedimentation rate. The COH and SJRA jointly own the water right for Lake Conroe. The COH portion is to divert 66,667 acre-feet per year from Lake Conroe, with an estimated year 2060 reliable yield of 49,038 acre-feet per year. SJRA is authorized to divert 33,333 acre-feet per year from Lake Conroe, with an estimated year 2060 reliable yield of 25,262 acre-feet per year.

Gulf States Utility Company (now known as Entergy) has a contractual agreement with SJRA to divert water from Lake Conroe into Lewis Creek Reservoir. In the TCEQ WAM Run 3, this permit is represented as a separate water right with a yield of 6,300 acre-feet per year. This was corrected in the 2006 Plan and represented as a contract.

#### 3.3.1.5 San Jacinto-Brazos Coastal Basin

Surface supply in the San Jacinto-Brazos Coastal Basin was modeled using Run 3. Water right permits totaling 120,919 acre-feet per year from the San Jacinto-Brazos Coastal Basin were analyzed using the water availability model. Of the 120,919 acre-feet permitted, only 37,569 acre-feet per year

was found to be reliable during the DOR. Water rights yielding over 500 acre-feet per year for consumptive uses are listed in *Table 3A.1* of *Appendix 3A*, and total 35,171 acre-feet per year. NRG's Webster plant has a permit to divert 4,440 acre-feet per year of saline water from Clear Lake, which is not simulated in the model. The Gulf Coast Water Authority (GCWA) owns two water rights in the San-Jacinto Basin including one water right recently acquired from the Chocolate Bayou Water Company (CBWC). The GCWA water right C5169 was represented in the 2006 Region H Water Plan with a reliable yield of 3,842 acre-ft per year. However, the water right is used for impoundment in the Sugarland area and not as a source to supply water contracts according to GCWA. To reflect this, the availability of the water right recommended in the 2011 Region H Water Plan is 0 acre-ft per year. The reliable yield of the CBWC water right, C5357, was reduced from 17,600 acre-ft per year in the 2006 Region H plan to 15,930 acre-ft per year in the 2011 Plan. The firm portion of this supply is 2,120 acre-feet per year. The WRAP input file for this model is included in the Brazos Basin WRAP input file in *Appendix 3B*.

#### 3.3.1.6 Brazos River Basin

Surface supply in the Brazos River Basin was modeled by the Consultant for the Brazos G Water Planning Group. A survey of wastewater plant operators within the Brazos Basin was conducted to determine the amount of anticipated reuse during the planning period. Based on the survey results, WAM Run 3 was modified to allow 65,256 acre-feet per year (58.3 million gallons per day [mgd]) of return flows in the model in the 2010 decade. There are water right permits in the Brazos River Basin of Region H totaling 866,351 acre-feet per year. The modeled annual reliable yield of these rights was 488,419 acre-feet per year. Water rights yielding over 500 acre-feet per year for consumptive uses are listed in *Table 3A.1* of *Appendix 3A* and total 449,773 acre-feet per year. The WRAP input file for this model is included in *Appendix 3B*.

There was a significant reduction in expected yield from the lower Brazos Basin despite the allowance of limited return flows in the model. The Gulf Coast Water Authority holds three water rights, including a recently purchased water right previously owned by the Chocolate Bayou Water Company. In the 2006 Region H Water Plan, the combined reliable yield of the three rights was estimated at 235,005 acre-feet per year based on the minimum annual diversion during the drought of record. Under this model scenario, the estimated reliable yield fell to 229,786 acre-feet per year. The combined firm yield of the three water rights is approximately 78,344 acre-ft per year when analyzed on a monthly basis. This is the result of water rights C5171 and C5322 which are not reliable during the months of July and August during the Drought of Record. After discussing the water availability with the GCWA, the reliable yield of 229,786 acre-ft per year was recommended because a significant amount of water is available for diversion during other months. In addition, the GCWA has the ability to backup its contracts during critical months with supplies contracted from the BRA.

The largest decline was seen in the Dow Chemical water right, with an authorized diversion of 305,656 acre-feet per year. The firm portion of this right was estimated as 148,052 acre-feet per year in the 2006 Region H Water Plan, and yields 137,475 acre-feet per year under this model. Similarly, the Brazosport Water Authority water right yield decreased from 23,017 acre-feet per year to 16,492 acre-feet per year.

Despite the yield reductions for several water rights in the basin, some firm yields increased. The Richmond Irrigation Company water right was estimated at 29,920 acre-feet per year in the 2006 Region H Water Plan and was not reduced under this model. Similarly, NRG Energy Inc's yield from Smithers Lake remained unchanged at 34,300 acre-feet per year.

# Brazos River Authority/U.S. Army Corps of Engineers System (BRA/COE)

The Brazos River Authority stores water in a system of water supply and flood control reservoirs in the middle and upper basins. The Authority owns Possum Kingdom, Granbury, and Limestone Reservoirs. The U.S. Army Corps of Engineers owns the remaining reservoirs in the system. The supply amounts included in *Appendix 3A* for these facilities were provided by the Brazos G Water

Planning Group. The BRA system total yield was estimated at 691,717 acre-feet per year in the 2006 Region H Water Plan. The portion of this yield available to Region H is reflected in supply contracts between the BRA and customers in this region. Those contracts total 155,030 acre-feet per year.

#### 3.3.1.7 Brazos-Colorado Coastal Basin

The Brazos-Colorado Coastal Basin contains the lower reach of the San Bernard River. The model for this basin was included in the Colorado River WAM, prepared by RJ Brandes Co. for the TCEQ. Two water rights were identified within Brazoria County, and the WAM Run 3 results for these rights are identified in this report. A year 2060 iteration was not made for this basin, because sedimentation was not anticipated in the off-channel reservoir associated with these rights. The WRAP input file for this model is included in *Appendix 3B*.

#### 3.3.1.8 Lake Sam Rayburn

A water supply allocated from Lake Sam Rayburn in the Neches River Basin, listed in *Table 3A.1*, represents contracted amounts from the Lower Neches Valley Authority by the Trinity Bay Conservation District, the Bolivar Peninsular SUD and irrigators in Chambers and Liberty Counties. The full yield of the lake was obtained from the East Texas Water Planning Group, and the contract amounts are reflected in both regional plans.

#### 3.3.1.9 Local Supplies

Local supplies (stock ponds, catchments, etc.) that cannot be related to reported groundwater or surface water use are currently meeting certain livestock and mining demands. The TCEQ allows a landowner to impound up to 200 acre-feet of water without obtaining a water right. Numerous local supplies are included as surface water supplies in *Appendix 3A*.

# 3.3.2 Discusion of Modeling Results

It is important to note that the TCEQ WAMs are based on historic hydrologic data to account for rainfall and evaporation losses. While the model provides an approximation of water right availability during the drought of record, the model is does not predict water right availability in future droughts which may have different hydrologic conditions. The models generally do not include return flows that often increase the reliability of downstream water rights. The reliability of water rights that rely on reservoir storage is also based on assumed sedimentation rates that are projected through the planning period. While this assumption is good for planning purposes, it may not reflect current sedimentation rates. The models also contain assumptions in the internal modeling routines that affect the accuracy of results. Currently, the models are also not able to simulate the interaction between groundwater and surface water supplies.

# 3.3.3 Surface Water Drought Susceptibility

Within this report, the surface water reservoir and ROR supplies represent firm yield and reliable quantities, respectively. However, surface water is dependent on rainfall, and future droughts cannot be expected to follow the same pattern as the DOR used in the WAM. Therefore, the river authorities and water providers in Region H maintain Drought Contingency Plans prepared under provision of the *Texas Administrative Code, Section 30, Chapter 288* for their respective shares of these supplies. These drought plans are highlighted in Table 3-7 and tabulated in detail in *Appendix 3C*. While each water provider utilizes unique criteria to define drought stages, their drought contingency plans use a common methodology. A first-stage trigger is used to initiate customer notification systems and voluntary use reductions. A second-stage trigger is used to initiate mandatory use reductions. Finally, a third-stage trigger is used to initiate additional use reductions and/or the suspension of service to some customers.

# 3.3.4 Surface Water Conveyance Systems

Region H contains a number of raw surface water conveyance systems (pipelines, canals, and pump stations). The conveyance systems lie primarily in the coastal river basins in the southern counties of Region H. The main canal systems belong to the COH, CWA, Gulf Coast Water Authority (GCWA), TRA, Lower Neches Valley Authority (LNVA), Chocolate Bayou Water Company (now part of the GCWA), SJRA, CLCND, and Dow Chemical. The information in this section was gathered from each of the entities listed above and the Trans-Texas Water Program Phase I Report for the Southeast Area. These systems are shown in Figure 3-9.

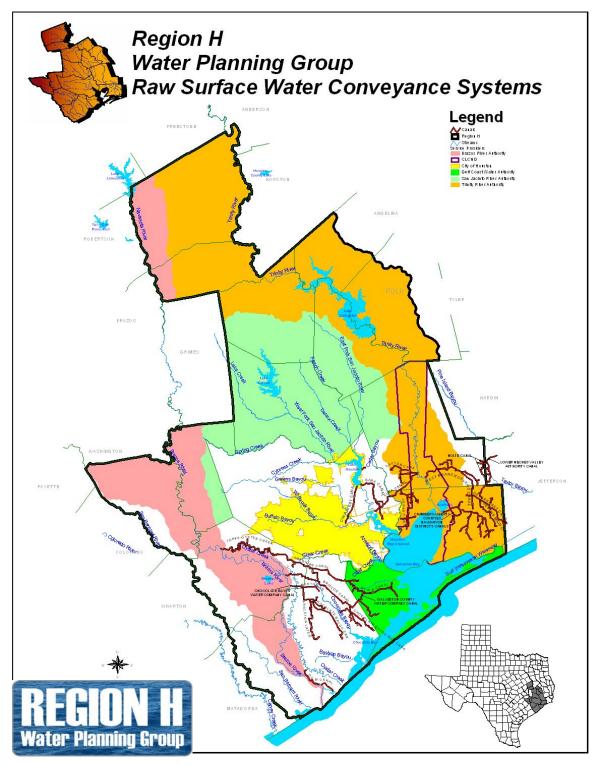
The CWA network consists of a main conveyance canal system and a pipeline distribution system. The conveyance system includes the Trinity River pump station, the main canal, the Lynchburg Reservoir, the Cedar Point lateral, the Lake Houston pump station, and the west canal. The Trinity River pump station near Liberty has an existing capacity of 880 mgd (700 mgd firm plus standby) and an ultimate design capacity of 1,400 mgd. The main canal runs westerly from the Trinity River pump station about 22 miles to the Lynchburg Reservoir (north of the Houston Ship Channel). The total capacity of the canal is approximately 1,300 mgd from the Trinity River Pump Station to the Cedar Point lateral. Downstream of the Cedar Point lateral, the canal has a capacity of 1,100 mgd. The Lynchburg Reservoir has an impoundment capacity of 4,600 acre-feet. The Cedar Point lateral, with a design capacity of 230 mgd, is located about 8 miles southwest of the Trinity River pump station and diverts water from the main canal southward. The Lake Houston pump station diverts water from Lake Houston into the CWA west canal, which travels southwesterly until it terminates at the COH East Water Purification Plant. The CWA distribution system consists of pressure pipelines that start at the Lynchburg Reservoir with the Lynchburg pump station and extend southwest about 10 miles to the Bayport Industrial Complex and eastward along State Highway (SH) 225 conveying raw water to industrial users.

Table 3-7

Typical Drought Triggers for Region H Supplies

Water Source/ Established By	Drought Type	Trigger Condition and Duration
Lake Livingston – Wallisville System/TRA	Mild	Lake Livingston elevation is <126.50 feet at USGS gage, condition lasts 1 day
	Moderate	Lake Livingston elevation is <124.00 feet at USGS gage, condition lasts 1 day
	Severe	Lake Livingston elevation is <121.40 feet at USGS gage, condition lasts 1 day
Lake Conroe/SJRA	Mild	Elevation <194 feet (70% of storage capacity), condition lasts 1 day
	Moderate	Elevation <190 feet (55% of storage capacity), condition lasts 1 day
	Severe	Elevation<185 feet (40% of storage capacity), condition lasts one day
Houston System Reservoirs/ City of Houston	Mild	Combined storage (Lakes Livingston, Conroe, and Houston) is less than 24 months surface water supply, condition lasts 10 consecutive days
	Serious	Combined storage (Lakes Livingston, Conroe and Houston) is less than 18 months surface water supply, condition lasts 10 consecutive days
	Severe	Combined storage (Lakes Livingston, Conroe, and Houston) is less than 12 months surface water supply, condition lasts 10 consecutive days
Brazos River at Richmond/GCWA	Mild	12.19 feet or 1700 cfs, condition lasts 1 day
	Moderate	11.93 feet or 1500 cfs, condition lasts 1 day
	Watch	11.65 feet or 1300 cfs, condition lasts 1 day
	Warning	11.23 feet or 1000 cfs, condition lasts 1 day
BRA System Reservoirs/BRA	Watch	For a reservoir/reservoir system, when storage is < Stage 1 Trigger level and could be reduced to Stage 2 Trigger or less during the next 12 months.  For the entire Authority system, when the combined storage of the Authority system is < Stage 1 Trigger level and could be reduced to Stage 2 Trigger or less during the next 12 months.
	Warning	For a reservoir/reservoir system, when storage is < Stage 2 Trigger level and could be reduced to Stage 3 Trigger or less during the next 12 months.  For the entire Authority system, when the combined storage of the Authority system is < Stage 2 Trigger level and could be reduced to Stage 3 Trigger or less during the next 12 months.
	Emergency	For a reservoir/reservoir system, when storage is < Stage 3 Trigger level.  For the entire Authority system, when the combined storage of the Authority system is < Stage 3 Trigger level.

Figure 3-9
Raw Surface Water Conveyance Systems



The GCWA system consists of three main canals that deliver water from the Brazos River to Fort Bend, Brazoria, and Galveston Counties: the American Canal, the Briscoe Canal, and the Galveston Canal System. The American Canal runs parallel to SH 6 southeasterly from the Brazos River lift station (the Shannon Plant, which is 12 miles north of Rosenberg) to Alvin, Texas. The Briscoe Canal runs southeasterly from the Brazos River pump station (the Briscoe Plant, which is 6 miles west of Arcola) to Alvin and then to an industrial complex in southern Brazoria County. The American Canal is connected to the Briscoe Canal by "Lateral 10" just west of Manvel. The Galveston Canal System extends from the old Briscoe system southeast of Alvin to the GCWA Reservoir (four miles east of Dickinson). The Galveston Canal System connects to the American Canal six miles east of Alvin. The Gulf Coast Water Authority has three pump stations, the Shannon Plant with a total capacity of 347 mgd, the Briscoe Plant with a total capacity of 302.4 mgd, and the American Canal's second lift station located in Sugar Land with a total capacity of 225 mgd.

The GCWA has recently purchased water rights formerly held by the Chocolate Bayou Water Company. The Chocolate Bayou Water Company distribution system is divided into two sections. The Juliff section, also known as the old South Texas Water system, transports water from the Juliff pump station on the Brazos River near the Fort Bend-Brazoria County border, and the Chocolate Bayou Canal section, which transports water from Chocolate Bayou near Liverpool. The Juliff section has two main canals (the North Canal and the Main Canal) and the Angleton Lateral. This section provides irrigation water to rice farmers and some industrial water to Brazoria County. The Chocolate Bayou Canal section has its main pump station on Chocolate Bayou, but there are additional pump stations on Mustang Bayou and Halls Bayou as well. This section also provides irrigation and industrial water to Brazoria County.

The Dayton Canal is a small system that serves Liberty County. The canal, which diverts from the Trinity River, extends about 20 miles west of the river and has an estimated capacity of 90 mgd.

The Devers Canal System currently delivers irrigation water easterly from the Trinity River to customers in Liberty and Chambers Counties. The main canal system is 81 miles with 125 miles of laterals. Due to the flat grade of the main canal, the flow can be reversed to flow westerly. The system contains two pump stations. The first one on the Devers main canal at the Trinity River has a total rated capacity of 295 mgd, and the second pump station (near SH 563) has a total capacity of 274 mgd.

The LNVA system diverts water from the Neches River and Pine Island Bayou and delivers it to customers in Jefferson County, farmers in Chambers and Liberty Counties, and to the Bolivar SUD in Galveston County. The LNVA canal consists of two main canals, the Neches Main and the BI Main. After the junction of the two main canals, the Neches Main travels southwesterly until the Nolte Canal branches off traveling westward into Liberty County. At this point the Neches Main turns and extends southward into Chambers County. The Nolte Canal and the end of the Neches Main are the only sections of the LNVA canal system that extend into Region H. The Nolte Canal is divided into two portions by a check structure. The capacity of the Nolte Canal upstream of the check is 130 mgd and 36 mgd downstream from the check structure.

SJRA provides raw surface water from a point at the Lake Houston dam through its canal system and SJRA's Highlands Reservoir to a point just north of the Houston Ship Channel, providing service to the industrial customers in eastern Harris County. SJRA also contracts with the Coastal Water Authority (CWA) to convey its Trinity Basin water supplies through the CWA Main Canal, and from there to their Highlands System.

The CLCND canal system diverts water from the Trinity River just south of Lake Anahuac. The canal travels easterly and branches to the north and south along the length of the main canal to serve the City of Anahuac and irrigators in Chambers County.

The Dow Chemical Company diverts water from the Brazos River into the Harris and Brazoria Reservoirs in Brazoria County. From Harris Reservoir, water is released into Oyster Creek and

rediverted into a canal near Lake Jackson. From the Brazoria Reservoir, water is released into Buffalo Camp Bayou, which joins the Dow canal below the Oyster Creek diversion pump station. The canal travels parallel to the Brazos River and supplies the Brazosport Area Water Authority Water Treatment Plant before entering the Dow complex just north of Freeport. The canal continues east around Freeport to serve the Dow southern facility.

# 3.3.5 Previously Studied Potential Reservoir Sites

In the City and Basin Master Plans within Region H, twenty-four potential reservoir sites have been identified. Of these, five have been identified in the State and Regional Water Plans as reservoir sites of unique value—Allens Creek in the Brazos Basin, Austin County; Little River and Little River Off-Channel in the Brazos Basin, Milam County; Bedias in the Trinity Basin, Madison County; and Tehuacana in the Trinity Basin, Freestone County. Construction of the Allens Creek reservoir and the Little River Off-Channel reservoir was recommended in the 2006 Region H Water Plan. From information provided in existing studies and reports, a summary table listing expected yields, costs, and a brief discussion of potential issues of concern regarding each potential reservoir is included in *Appendix 3D*.

The potential reservoir sites for Region H were reassessed as potential water management strategies for this update to the water plan. That discussion is presented in *Chapter 4*. Also, the sites were again considered for recommendation as reservoir sites of unique value. That discussion is presented in *Chapter 8*.

# 3.3.6 Legal and Regulatory Factors

A number of legal (institutional) and regulatory factors affect water planning, development, and usage within the Region H area. The most notable of these factors are surface water rights, groundwater conservation districts, interbasin transfer rules, wastewater return flow impacts, and environmental flow requirements.

All of the water included in the analysis of surface water supplies for Region H is obtained under water rights issued through the TCEQ and its predecessor agencies. The larger wholesale water providers hold a substantial portion of the rights available to the region, and these large providers contract to supply water obtained under those rights to various WUGs.

Five groundwater conservation districts exist within the Region H area. These districts are the HGSD, FBSD, Bluebonnet Groundwater Conservation District (includes Austin, Walker, and Waller Counties), Lone Star Groundwater Conservation District (Montgomery County) and Mid-East Texas Groundwater Conservation District (includes Leon and Madison Counties). Each district enacts and enforces groundwater regulations within their respective counties. The specific rules regulating the use of groundwater use were described in the previous section, *Subsidence Effects*. The Harris-Galveston and Fort Bend districts have adopted regulatory plans that limit the withdrawal of groundwater within their respective counties.

The Brown-Lewis Bill (formally Senate Bill 1, 75<sup>th</sup> Legislature) included restrictions on the interbasin transfer of water. These rules mandate that water supplies obtained by a receiving basin become junior to all other rights in existence within the originating basin of the transfer. This rule applies to all future permits associated with interbasin transfers. As illustrated within this report, a significant quantity of water currently supplied within Region H occurs via interbasin transfers. A portion of the water delivered by all of the larger water providers occurs through some type of interbasin transfer. The most significant of these are the COH and SJRA transfers of Trinity River water into the San Jacinto watershed and the BRA and GCWA transfers of Brazos River water into the San Jacinto-Brazos Coastal Basin. It is anticipated that new interbasin transfers will be needed to support growth throughout Region H, particularly to the San Jacinto and San Jacinto-Brazos Basins where the

largest population growth is occurring. Current limitations on interbasin transfers will affect the development of future water resource management strategies.

In the 77<sup>th</sup> Texas Legislature, the Water Code was amended to remove an obstacle to long-term planning. Under the previous law, any water right that was unused for a period of ten years could be cancelled by the TCEQ, making that water available for diversion under other water rights permits. This is contrary to the state and regional water planning processes, which project demands 50 years in advance and recommend projects to meet demands 30 years in advance. The amendment to the Water Code exempts certain water rights from cancellation for non-use, including permits obtained as a result of the construction of a reservoir in whole or in part by the permit holder, permits for reservoirs of 50,000 acre-feet or larger, and permits obtained to meet demonstrated long-term water supply or electric generation needs.

Wastewater reuse and reclamation is a water management strategy that is growing in usage within the Texas water industry. Wastewater reuse is the reuse of wastewater prior to its discharge into a receiving stream of the state. These reused quantities can become supply for irrigation, manufacturing, mining, steam-electric power and limited municipal purposes (landscaping, etc.). Wastewater reclamation, however, can affect the reliability of existing surface water rights. In particular, within Region H, one of the greatest potential areas of reuse is within Harris and Montgomery Counties upstream of Lake Houston. Reuse within Region C in the Trinity Basin would impact the yield of Lake Livingston. Thus significant reuse of these flows may affect the water rights of SJRA, TRA, and COH. Indirect reuse permits are increasingly being requested within the state, allowing the use of the bed and banks of the receiving stream to carry treated effluent to a downstream diversion point. Unlike direct reuse, this practice is considered a separate diversion and requires a separate water right permit. These permits typically allow the rediversion of a percentage of the discharged volume, with the difference being allocated to meet carriage losses and instream flow requirements. The amount required to be left instream is determined on a site-specific basis by TCEQ.

# 3.3.7 Environmental Uses and Requirements

Water right permits for environmental use and enhancement may be granted by TCEQ, although there is no use category within the Water Code for meeting environmental needs. These water rights are typically categorized as Recreational or Other. Within Region H, there are fewer than 20 permits for the diversion or impoundment of water for the purposes of wetland habitat creation/maintenance, wetland mitigation, or wildlife conservation. The larger of these permits are listed in Table 3-8. Since 1985, environmental flow requirements have been included as conditions within new and amended water rights. These requirements may include a specified minimum instream flow or gauge height threshold for diversions under the permit, or specify a percentage of the diverted amount that must be returned to the source stream. The establishment of these permit conditions requires supporting data on environmental needs of rivers, streams, bays, and estuaries for wetlands habitat. To increase this body of knowledge, the Texas Instream Flow Program was initiated in 2003 as a joint effort between TPWD, TCEQ, and TWDB. A series of studies are funded and underway, and the results will be incorporated in future water rights permitting and regional water planning.

Table 3-8

Major Environmental Water Rights in Region H

Owner	Stream	Use	Diversion (acre-feet/year)
U.S. Anahuac Wildlife Refuge	Oyster Bayou	Anahuac NWR* – wetland habitat	21,000
Texas Parks & Wildlife	Carpenters Bayou	Sheldon WMA** –	2,688

Department		wetland habitat	
U.S. Fish and Wildlife Service	Bastrop Bayou Austin Bayou	Brazoria NWR – fish & wildlife conservation	2,527
U.S. Fish and Wildlife Service	Cedar Lake Creek	San Bernard NWR – wetland habitat	1,086
U.S. Fish and Wildlife Service	Big Slough	Brazoria NWR – fish & wildlife conservation	1,080

<sup>\*</sup>NWR is National Wildlife Refuge

A new provision under the Texas Water Code establishes the Texas Water Trust within the Texas Water Bank. Existing water rights can be placed in the Texas Water Trust to be dedicated to environmental needs, including instream flows, water quality, fish and wildlife habitat, or bay and estuary inflows. While no water rights from Region H have yet been placed in the Texas Water Trust, it can be anticipated that it will figure in further efforts to address both the technical and institutional issues associated with environmental water rights within Region H.

# 3.3.7.1 Bay and Estuary Inflows

Estuaries are coastal waters where inflowing stream or river water mixes with and measurably dilutes sea water. The Brazos River has a very small estuary, but Galveston Bay is one of the largest and richest estuary systems in the state. Tides along the Region H portion of the Texas Gulf Coast are small (typical ranging up to 2 feet), but their influence is felt far inland due to the flat topography of the coastal plain. Galveston Bay averages a 7-foot tidal depth, so freshwater inflows are important in balancing the tidal intrusion of seawater into the estuary habitat.

The Region H Water Planning Group requested input from the Galveston Bay Freshwater Inflow Group (GBFIG) to address this resource need. GBFIG was established in December 1996 as an ad hoc technical work group. GBFIG includes representatives of major stakeholders in the use of Galveston Bay and its tributaries including all those groups specifically itemized in Sec. 11.1491 of the Texas Water Code for "estuary advisory councils." Its efforts have been endorsed, and staff participation has been authorized by TWDB, TCEQ, TPWD, and the General Land Office (GLO). GBFIG coordinates with and reports its findings to both the Galveston Bay Estuary Program and RHWPG.

The work of GBFIG builds upon the State Bay and Estuary Studies authorized by the Legislature in 1985 (HB-2) and amended in 1987 (SB-683). On December 31, 1994, *Freshwater Inflows to Texas Bays and Estuaries: Ecological Relationships and Methods for Determination of Needs* was published jointly by TWDB and TPWD. This document details the methodology to be applied in each of seven major estuarine systems. Several draft documents providing historical inflow data (1941-1990) and application of the State's methodology to Galveston Bay followed. In December 1998, TPWD issued a final *Freshwater Inflow Recommendation by Texas Parks and Wildlife Department for the Trinity-San Jacinto Estuary* (hereafter cited as TPWD 1998).

TPWD 1998 presented output from the State's optimization model relating freshwater inflows to biological productivity. Based on that analysis of monthly inflow data, several points on a performance curve were identified, ranging from Max Q, the maximum quantity of freshwater falling within the range of analysis, to Min Q, the minimum modeled quantity of freshwater inflow capable of maintaining bay and estuary fishery harvest. The Galveston Bay system receives average annual inflows of about 10 million acre-feet per year (maf/yr), and median twelve-monthly inflows of just over 7 maf/yr. Because of the uncertainties inherent in analyzing or managing natural processes, TPWD

<sup>\*\*</sup>WMA is Wildlife Management Area

recommended the point of "maximum harvest" (Max H), or a flow of 5.2 maf/yr, as the target inflow for the Galveston Bay system.

Using the data developed by the State, special studies of Galveston Bay freshwater inflows have been performed in conjunction with regional water planning efforts. In April 1998, Brown & Root completed a *Galveston Bay Freshwater Inflow Study* under the Trans-Texas Water Program. Additional modeling by Brown & Root has been performed to address specific analytic needs of GBFIG. The TCEQ WAM program has improved the statistical data and model availability for Galveston Bay. The Region H Planning Group requested more thorough studies of freshwater inflows and impacts of strategies. The 2006 RWP included a study by Kellogg, Borwn & Root on the impacts of water management strategies on seasonal frequency. This evolved into a special study in the first phase of the 2011 planning process by AECOM to determine impacts of individual strategies at a frequency greater than the annual frequency previously studied. An additional study, contained in the *Chapter 4* of this Plan, examines impacts of management strategies in conjunction with upstream strategies for each decade of the planning horizon.

Based on information from state and regional studies, GBFIG set about relating its consideration of freshwater inflow needs to the planning task of Region H. GBFIG developed a recommendation that relates target flows under a range of conditions to target frequencies as shown in Table 3-9, which generally are less frequent than historical frequency of occurrence. GBFIG specifically noted that development of management strategies for freshwater inflows requires the consideration of quantity, quality, seasonality (monthly flows), and location of inflows and that its own analytic efforts would continue. It also noted that flows available to meet environmental water needs included total flows to the system and, as a result, include some sources outside of Region H. The GBFIG recommendation was accepted for incorporation into the Regional Water Plan in March 2000.

Table 3-9
Environmental Water Needs for Galveston Bay

Inflow Scenario	Quantity Needed (million acre- feet/year)	Historical Frequency	Target Minimum Frequency
Max H	5.2	66%	50%
Min Q	4.2	70%	60%
Min Q-Sal	2.5	82%	75%
Min Historic	1.8	98%	90%

Scenario Descriptions:

<u>Max H:</u> Modeled inflows recommended for maximum bay and estuary fisheries harvest by TPWD.

Min Q: Minimum modeled inflow recommended to maintain the bay and estuary fisheries harvest.

Min Q-Sal: Estimated minimum acceptable inflow recommended to maintain the salinity needed for bay and estuary fisheries viability.

Min Historic: Minimum annual inflow calculated for Galveston Bay over the period of record (1941-1990).

Notes: The health and productivity of Galveston Bay must consider the quantity, quality, seasonality (monthly inflows), and location of inflows. It is anticipated that the inflow needs projections will continue to be refined over time. The use of improved data focusing on the fisheries production solely from the Galveston Bay system is one example of an anticipated means of refinement.

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# 3.3.7.2 Water Quality

The 15<sup>th</sup> Edition (2000) of the *State of Texas Water Quality Inventory Report* by the Texas Natural Resource Conservation Commission (now the TCEQ) addresses the streams within all Texas river basins by segment. Each segment is described and classified, the designated water uses are identified, and the water quality is determined. This report was reviewed for the river segments in Region H to identify their uses and any existing conditions or concerns. Region H is fortunate not to have naturally occurring chlorides or minerals affecting surface water quality as in some regions, but the affects of development within the watersheds are reflected in the Inventory Report. Some streams and bayous, predominantly in the lower San Jacinto Basin and the San Jacinto-Brazos Coastal Basin, were found to be non-supportive of contact recreation due to bacterial indicators of concern due to elevated nutrient levels. This condition is typically the result of wastewater discharges and urban watershed runoff. Basin maps from the *Water Quality Inventory Report* are shown in *Appendix 3E*. A search of the TCEQ Water Rights Database revealed three water rights specifically designated for the improvement of instream water quality (see Table 3-10). The larger of these is used to maintain the level of Lake Jackson in Brazoria County.

Table 3-10
Water Quality Rights in Region H

Owner	Stream	Use	Diversion (acre-feet/year)
Dow Chemical Co.	Brazos River	Stream Quality Control	16,000
Paul Weinman	Brazos River	Wetlands	2,448
Cove Creek Corp.	Cove Creek	Water Quality – Flush sewage effluent	967

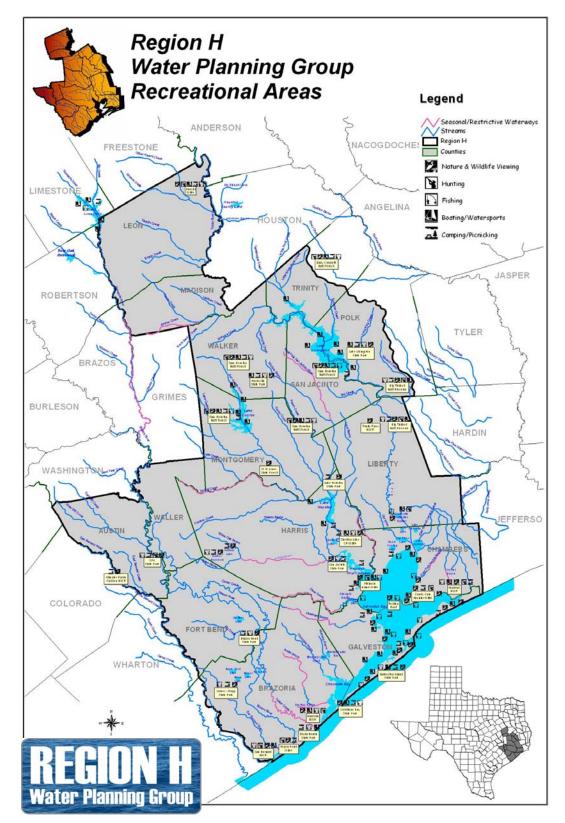
As with the Galveston Bay estuary, instream salinity is a concern in the flat lower reaches of the Trinity, San Jacinto, and Brazos Rivers. The tidal salt wedge migrates upstream during the drier summer months, threatening the intakes of water right holders. This situation has been addressed on the Trinity River by the construction of the Wallisville Saltwater Barrier, and the Lake Houston dam protects the intake points for the COH and SJRA. The effects of the salt wedge on Brazos River water rights are discussed in *Chapter 4* of this report.

The Texas Parks & Wildlife Department conducted an *Analysis of Texas Waterways: A Report on the Physical Characteristics on Rivers, Streams, and Bayous in Texas.* This 1996 report identifies the seasonal and restrictive waterways:

"those sections of rivers, streams, and bayous... which have been found to contain an insufficient flow of water for recreational use under normal conditions, or for various reasons could not be classified as a major waterway, and would be restricted to seasonal usage"

Figure 3-10 depicts the seasonal and restrictive waterways of Region H.

Figure 3-10
Seasonal and Restrictive Waterways in Region H



### 3.3.7.3 Unique River and Stream Segments

RHWPG identified six stream segments of unique ecological value in the 2006 Region H Water Plan. These are Armand Bayou in Harris County; Bastrop Bayou and Cedar Lake Creek in Brazoria County; Big Creek in Fort Bend County; another Big Creek in San Jacinto County; and Menard Creek in Liberty, Hardin, and Polk Counties. Several of these streams are used for irrigation and/or recreational supplies, but these water rights were not included in the total Region H supply due to size or reliability. A full discussion of unique stream segments is made in *Chapter 8*.

# 3.3.8 Navigational Uses

The Texas Natural Resources Code states that if a water body maintains an average width of 30 feet, it is considered navigable. The Texas Department of Transportation, the U.S. Army Corps of Engineers, and several port authorities share responsibility for maintaining the major navigable waterways within the region. These include the Gulf Intracoastal Waterway, the Houston Ship Channel, and the Lower Trinity River.

The Gulf Intracoastal Waterway is a man-made canal paralleling the Gulf Coast. In Texas, it is 433 miles long, and within Region H it crosses Chambers, Galveston, and Brazoria Counties, serving the Ports of Galveston and Freeport. The system is over 50-years old and the U.S. Army Corps of Engineers maintains the canals through a program of scheduled dredging. The flow in the waterway is brackish and not used for water supply.

The Houston Ship Channel is a deep-draft channel connecting ocean-going vessels with the Port of Houston and industries located along Buffalo Bayou. It begins at the mouth of Galveston Bay and continues north past the Barbours Cut Terminal and Bayport Industrial Complex, into the San Jacinto River and Buffalo Bayou, ending at the Port of Houston Turning Basin. Ship channels serving the Port of Galveston and the Port of Texas City branch off from the main channel on the northwestern side of Galveston Island, and the system connects with the Gulf Intracoastal Waterway at that point as well. The respective port authorities and the U.S. Army Corps of Engineers maintain the ship channels at a depth of 45 feet to serve deep-draft vessels. Although the entire length of the Ship Channel is tidally influenced, there is some concern that the deep dredging may influence the salinity of the shallow Galveston Bay estuary, which averages 7 feet deep, particularly during drought periods.

The Lower Trinity River serves the shallow (6-foot draft) cargo Port of Liberty, Texas. Water depth and freshwater quality is maintained in the Lower Trinity River by the Wallisville Saltwater Barrier, which includes a lock system for navigation. Barge traffic connects from the Port of Liberty to the Intracoastal Waterway by traversing a dredged canal along the eastern coast of Trinity Bay. This canal connects to the Houston Ship Channel west of Smith Point.

Numerous recreational ports serve the region. The Texas Department of Transportation recognizes the Port of Anahuac on the Trinity Bay and the Port of Sweeny on the San Bernard River, although there are many others. These ports are located in tidal areas, and do not require freshwater flows to maintain navigability.

# 3.3.9 Recreational Uses

Water-based recreational uses in Region H include activities that are directly dependent upon the region's rivers, streams, reservoirs, and bays, such as swimming, boating, fishing, and paddle sports, as well as those enhanced by proximity to water sources such as wildlife viewing, camping and hunting, and eco-tourism. There are also economic activities associated with water-based recreation such as marinas, tourist accommodation and services, and other recreation-based businesses.

Generally, communities developed adjacent to or near accessible water bodies contribute to an increased tax base from which economic benefits can accrue. Positive local tax base impacts in rural communities of Region H have been and can be significant. Therefore, reservoir development in these areas has been viewed as an economic benefit for these regions. Recreational water needs and requirements have two distinct components – physical and economic.

The physical component addresses the amount (volume) of water needed to perform various recreational activities. This is strictly a function of the geometry of whatever body of water is being considered and the type of activity that is being investigated.

In order to provide for this need, some stakeholders in water-related recreational activities apply for permits from TCEQ that allow them to divert and impound water in man-made lakes and ponds dedicated to recreational purposes. A search of the TCEQ Water Rights Database returned 160 records for recreation water rights with stated total diversion of about 9,200 acre-feet per year. Five of these rights account for 6,572 acre-feet per year in authorized diversions as shown in Table 3-11.

Table 3-11

Major Recreational Water Rights in Region H

Owner	Stream	Diversion (acre-feet/year)
Brazos River Club	Brazos River	3,000
Indigo Lake Estates	Log Gully	1,164
C E Zwahr ET AL	Austin Bayou	1,003
George W Maxwell	Cow Island	805
The Woodlands Corporation	Bear Branch	600

The majority of the region's freshwater recreation occurs not on dedicated recreational lakes, but on water supply reservoirs. The region's water supply reservoirs provide a broad range of recreational opportunities but were created to meet the region's consumptive water demands. While recreation is permitted on most of the region's water supply reservoirs, there are no dedicated recreational water rights protecting volumes for recreational purposes on these reservoirs. Three water supply reservoirs in Region H provide a significant portion of the freshwater-related recreational activities in the region—Lake Livingston, Lake Conroe, and Lake Houston, in decreasing degrees.

The economic importance of water-based recreational businesses is illustrated in recent studies that indicate water-related recreational activities account for a significant portion of the Texas economy. In 1996, Texas ranked second in the United States in angler expenditures at roughly \$2.9 billion, providing more than 80,000 jobs. In the same year, there were an estimated 2.6 million anglers in Texas, with 2.1 million classified as primarily freshwater anglers. Furthermore, one study estimates that, in 1997, Texas ranked fifth in the United States in boat ownership with about \$302 million in retail boat sales. The Texas Parks & Wildlife Department reported in February of 2000 that 617,864 boats are registered in the state, 98 percent of which are used as pleasure craft. Counties in Region H account for nearly one-quarter of these (134,289) and 99 percent of these are registered as pleasure craft. In Texas, the 1991 retail sales for migratory bird hunting was \$262,600,000, and the 1991 retail sales for migratory waterfowl hunting was \$48,900,000. The 1991 retail sales for non-consumptive bird use was \$155,300,000; the 1991 non-consumptive waterfowl use in Texas was \$103,600,000. Such statistics demonstrate an economic-driven recreational need for water in Texas.

While there is a direct relationship between lake levels and these industries, there is no statistical data available to quantify that relationship. Although anecdotal information suggests negative impacts will accrue to lakeside communities when reservoir levels decrease, there is no economic

data available which would allow a comparison to the economic impacts of not meeting municipal, manufacturing and/or irrigation water demands. When considering the impacts of lake levels, one might consider (1) water levels required to operate boat ramps and docks, (2) water levels or depths required to support water recreational activities (boating and fishing), and (3) water levels required to support resident and migratory wildlife. Also important to consider is the acceptable duration of a given condition. Lake levels will decline during droughts, but recover during average-to-wet years. Resident wildlife species will be directly affected by the drought conditions. Migratory species would be indirectly affected, because they would be able to adjust their routes to find the best habitats in a particular year.

All state parks and forests, national parks and forests, wildlife refuges, and wildlife management facilities were identified in order to consolidate a listing of recreational resources in Region H. Every facility was researched to determine if it provided facilities for camping and picnicking, nature and wildlife viewing, hunting, fishing, and boating and other water sports. Sources include various websites and publications from the Texas Parks & Wildlife Department, National Park Service, USDA Forest Service, U.S. Fish and Wildlife Service, National Wildlife Refuge System, Galveston Bay National Estuary Program, U.S. Army Corps of Engineers, U.S. Historical Society, Great Outdoor Recreation Pages, Recreation.Gov, 1998-1999 Texas Almanac, Texas road atlases, and various county and river authority websites. Additional information was acquired from the Houston Canoe Club on areas within the region of importance to paddle sports. This information was compiled into the following three tables contained in Appendix 3F.

Region H-River Segments, Bay and Estuaries – Lists all of the river basins, river segments, bays, and estuaries in the region and the recreational opportunities associated with each.

Recreation – Lists all of the national parks, preserves, wildlife refuges, state parks, wildlife management areas, and forests and the recreational opportunities associated with each.

Region H-River Segments, Bay and Estuaries-Special Features – Lists all of the lakes and reservoir segments in the region and the recreational opportunities associated with each.

From the tables containing the public recreational sites and data obtained from the *Galveston Bay Recreational User's Handbook*, Figure 3-10 was prepared to illustrate the location and each associated recreational activity for Region H. This map also shows the seasonal and restricted waterways within the region. *Appendix 1A* contains a detailed bibliography of all of the sources used for this section.

# 3.4 Total Water Supply

The total amount of water supply currently available to Region H from existing available water sources is 3,538,741 acre-feet per year. Of that, approximately 76 percent is surface water. By the years 2030 and 2060, the available supply is expected to be 3,309,433 acre-feet per year and 3,392,827 acre-feet per year, respectively. Table 3-12 below summarizes current and projected water supplies.

# 3.4.1 Water Supplies Available by City and Category

This water supply is distributed to each WUG, i.e. each city, each county-other, and each non-municipal water use category. This distribution is shown in *Table 3G.1*, located in *Appendix 3G*.

In *Table 3G.1*, the ground and surface water supply sources available to Region H are assigned to the various WUGs in the region based on contracts and water rights, limitations of conveyance facilities, and in some cases, current usage patterns. In general, a thorough search was performed to determine how each WUG obtained its water supply. This required identification of third-party contracts as well as water providers in addition to the wholesale water providers (WWPs).

About 72 percent of the year 2010 total available Region H supply is allocated to the region through one of the WWPs. Table 3-13 shows the distribution of the available supply among the providers for the study years of 2010, 2030, and 2060.

Table 3-12 Summary of Water Supply Available for Region H for Study Years 2010, 2030, and 2060

Supply Source	Supply Available (acre-feet/year)		
	Year 2010	Year 2030	Year 2060
Groundwater			
Gulf Coast Aquifer	759,405	616,204	616,648
Carrizo-Wilcox Aquifer	10,493	9,756	9,610
Queen City Aquifer	7,906	7,906	7,906
Sparta Aquifer	17,414	17,414	17,414
Brazos River Alluvium	41,539	41,539	41,539
Yegua-Jackson Aquifer	6,400	6,400	6,400
Undifferentiated Aquifer	1,117	1,117	1,117
Subtotal	844,274	700,336	700,634
Surface Water			
Neches River Basin <sup>1</sup>	63,863	63,946	64,177
Neches-Trinity Coastal Basin	21,753	21,753	21,753
Trinity River Basin	1,568,530	1,489,530	1,584,030
Trinity-San Jacinto Brazos Coastal Basin	34,313	34,313	34,313
San Jacinto River Basin	321,800	314,000	302,300
San Jacinto-Brazos Coastal Basin	35,097	35,097	35,097
Brazos River Basin <sup>2</sup>	604,803	604,803	604,803
Brazos-Colorado Coastal Basin	12,019	12,019	12,019
Local Supplies, all basins	30,169	31,599	31,895
Subtotal	2,694,467	2,609,097	2,692,193
Total	3,538,741	3,309,433	3,392,827

<sup>&</sup>lt;sup>1</sup> Supplies include 63,863 acre-ft per year of firm water currently contracted from upstream LNVA to Region H customers. Total LNVA supply is greater but may not be available to Region H.

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<sup>&</sup>lt;sup>2</sup> Supplies include 155,030 acre-ft per year of firm water currently contracted from upstream BRA reservoirs to Region H customers. Total BRA supply is greater but is not available to Region H.

Table 3-13

Available Supply by Wholesale Water Provider within Region H for Study Years 2010, 2030, and 2060

Provider		Supply (acre-feet/year)	
	Year 2010	Year 2030	Year 2060
Baytown Area Water Authority	13,326	13,326	13,326
Brazos River Authority*	155,030	155,030	155,030
Brazosport Water Authority	16,492	16,492	16,492
Chambers-Liberty Counties Navigation District	79,020	79,020	79,020
Central Harris County Regional Water Authority	5,033	3,283	3,195
Clear Lake City Water Authority	26,876	26,876	26,876
Dow Chemical	137,475	137,475	137,475
Fort Bend County WCID 1	6,580	6,580	6,580
Galveston County WCID 1	3,232	3,232	3,232
Gulf Coast Water Authority	245,716	245,716	245,716
City of Houston	1,306,562	1,305,076	1,301,467
Lower Neches Valley Authority*	65,983	65,983	65,983
Lyondell-Citgo Refining	23,404	23,404	23,404
North Channel Water Authority	6,682	6,682	6,682
North Fort Bend County Water Authority	22,242	34,401	38,374
North Harris County Regional Water Authority	92,630	54,283	54,283
City of Pasadena	31,942	31,942	31,942
San Jacinto River Authority	192,044	188,510	183,210
NRG	180,887	180,887	180,887
West Harris County Regional Water Authority	63,666	35,118	32,992
Total	2,674,822	2,613,316	2,606,166

<sup>\*</sup>Supplies represent current contracts to Region H with the assumption that the contracts will be extended and maintained through 2060. Total supply is greater but may not be available to Region H.

# **General Methodology for Assigning Resources to WUGs**

The following methodology summarizes the data collection process and the other procedures followed to arrive at the information in *Table 3G.1*. In general, the methodology includes the following steps.

#### **Data Collection**

- Identify contract supplies available to WUGs via a direct or multi-tier transaction with a WWP using contract information from WWPs and the 2006 Regional Water Plan.
- Coordinate with other planning regions to resolve interregional conflicts, where applicable. No interregional conflicts were identified during discussions with regions C, G, and I.
- Identify other possible water providers, using the TWDB Water Use Database and any other available information. Identify the end user WUGs that are supplied by these providers under a contractual or retail agreement. Contact these providers, and request contract information from them.
- Identify surface water supplies being used by self-supplied WUGs, by consulting the TCEQ Water Rights Database and Table 3A.1.
- Update information for water providers identified in the 2006 Regional Water Plan.

### 3.4.2 Groundwater Allocation

Groundwater supplies in Leon and Madison Counties were allocated according to information received from the Mid-East Texas Groundwater Conservation District. With the exception of Brazoria County, groundwater was first allocated to WUGs in each county. This exception is described in more detail below under Brazoria County. Where groundwater resources were not adequate to meet demands, supplies were distributed to WUGs based on total demand. Any exception to this rule is noted below.

### 3.4.2.1 Counties With Adequate Groundwater Resources

The available groundwater supplies in Austin, Leon, Madison, Polk, San Jacinto, Trinity and Walker Counties were found to be adequate to satisfy the groundwater demands of WUGs for the planning period.

Water was allocated to WUGs in Leon and Madison Counties and was allocated with guidance provided by the Mid-East Texas Groundwater Conservation District. The plan set forth by the district shows the amount of water allocated from each source to individual customers including irrigation, livestock, manufacturing, and mining users. These values were adjusted, within reasonable limits, to minimize shortages

# 3.4.2.2 Counties With Inadequate Groundwater Resources

### **Brazoria County**

Brazoria County has municipal, manufacturing, mining, irrigation, and livestock water demands that cannot be entirely satisfied by surface water and groundwater resources. The groundwater availability of approximately 50,600 acre-feet per year can satisfy part of the water needs but not all of the needs in the county. For this reason, the communities of Alvin, Bailey's Prairie, Brookside Village, Danbury, Hillcrest, Holiday Lakes, Iowa Colony, Jones Creek, Manvel, Surfside Beach, Sweeny, and West Columbia were allocated groundwater to meet their entire demands while others were supplied

groundwater in addition to surface water supplies. Adequate groundwater was also budgeted to supply the Brazoria County MUDs, Orbit Systems Inc., Southwest Utilities, and Varner Creek UD entirely from groundwater. After meeting the groundwater demands of these WUGs, the remaining groundwater supply was allocated among users that were connected to surface supplies as well as groundwater.

Brazoria was capable of providing for all of its demands through 2060 by using surface water supplies and was not allocated any of the county's groundwater resources. The communities of Clute, Oyster Creek, and Richwood were shown to experience shortages immediately in the 2010 period. However, no data supports that these shortages actually occurred. It is likely that these communities pump groundwater in excess of the groundwater supplies currently allocated to these communities shown in Table 3G.1. Freeport and Pearland would later develop shortages in 2020. Supplies to irrigation and county-other in the Brazos River Basin are anticipated to be insufficient to meet demands beginning in 2020. In the other basins, these shortages begin immediately. Manufacturing shortages in the Brazos and San Jacinto-Brazos River Basins begin in 2010 and 2020, respectively. Livestock demands that were not met by this groundwater supply were assumed to be provided by local water supplies. In the 2006 Plan, an adequate amount of local supplies was provided to mining WUGS to relieve shortages after applying other sources of water for the year 2000. This was considered a reasonable assumption as these WUGs are not currently experiencing shortages. These supply values were then carried through the 2060 planning period to represent the maximum amount of local supply available for mining for all periods. The 2011 Plan has adopted the supply values identified in the 2006 Plan.

### **Chambers County**

Chambers County will experience groundwater shortages immediately in the 2010 planning period without the use of surface water supplies to meet its municipal, irrigation, manufacturing, mining, and livestock demands. Throughout all of the planning periods, the county will not be able to rely on groundwater supplies alone. Groundwater resources were distributed to each WUG receiving groundwater according to total demand.

### **Galveston and Harris Counties**

Groundwater usage within Galveston and Harris Counties is regulated by HGSD which provides for reductions in groundwater pumping in these counties based on a percent of total demand over the planning period. The groundwater reductions vary depending upon the Subsidence District area where the WUG is located.

WUGs located in Subsidence District Area 1 were limited to groundwater usage equal to 10 percent of their total demand for all planning periods from 2010 to 2060. In Area 2, WUG groundwater usage was limited to 20 percent of their total demand for the entire time period. Maximum groundwater usage for WUGs located in Area 3 varied by planning period. The maximum allowable groundwater use for 2010 was calculated to be 70 percent of the total water demand for the period, for each WUG. For 2020, this percentage was decreased to 30 percent. For subsequent years, only 20 percent of the total water demand could be met with groundwater sources. Irrigation WUGs within these counties were not subject to this limitation and could be allocated enough groundwater to meet the entirety of their demand. Because of this, the groundwater supplies set by HGSD for Harris County were increased to meet the remaining portion of irrigation demands after all WUGs were provided their restricted portion of groundwater supply. This was not done for Galveston County, as irrigation demands were far greater than available groundwater supplies.

Shortages due to insufficient groundwater supply begin in the San Jacinto River Basin of Harris County in 2010. Before this time, shortages are due to groundwater restrictions. In the San Jacinto-Brazos and Trinity-San Jacinto Coastal Basins of the county, groundwater shortages through 2060 only occur due to groundwater pumping restrictions and not from limited supply. Municipal WUGs in Galveston County will experience shortages due to restrictions rather than limited supplies for all of

the planning periods. Irrigation will not be able to entirely meet demands in this basin with groundwater alone. In the Neches-Trinity Coastal Basin, only livestock and mining WUGs are served by groundwater, and these users will experience shortages due to groundwater restrictions.

In instances where groundwater supplies were not adequate to meet groundwater demands or restricted groundwater demands, the amount supplied was prorated among the WUGs based on restricted demand, or total demand, if no restrictions applied. As the groundwater supplies available to users in Harris and Galveston Counties are based on subsidence restrictions rather than actual available amounts of groundwater and irrigators are not subject to HGSD restrictions, it was assumed that this supply could be exceeded to meet any remaining irrigation demands after surface water was allocated to irrigation WUGs.

### **Fort Bend County**

Similar to the subsidence restrictions imposed upon Harris and Galveston Counties by HGSD, the FBSD regulates the quantity of groundwater pumpage in portions of Fort Bend County. However, these restrictions apply only to two zones in the northeastern portion of the county. For the sake of this plan, it was assumed that both zones would be required to lower pumpage to 70 percent of the total demand for each WUG during the 2020 planning period. For the 2030 period and beyond, it was assumed that only 40 percent of the total WUG demands could be met by groundwater. These limitations were not applied to irrigation usage within the county, and available groundwater supplies were increased in order to provide for irrigation demands remaining after groundwater was allocated to other WUGs.

The groundwater restrictions imposed by FBSD are not sufficient to prevent shortages due to supply from 2010 to 2060. The available amount of groundwater was distributed to WUGs according to their demands or restricted demands, where applicable. As in Harris County, it was assumed that all groundwater demands to irrigators could be met by exceeding the aquifer supply. The FBSD restrictions do not apply to irrigators and small domestic wells and it is assumed that these users would pump the amount of water necessary to meet their demands. Therefore, the total available groundwater supplies were increased to accommodate the additional water usage by irrigators, as well as other unregulated WUGs, such as Pleak, that were not subject to subsidence restrictions.

# **Liberty County**

Irrigation demands in Liberty County are of considerable magnitude. For this reason, groundwater was first provided to nonirrigation WUGs. The remaining groundwater was allocated to irrigation based on demand. Shortages appear in the 2010 period for irrigation in the Neches, Neches-Trinity, and Trinity San Jacinto River Basins. However, surface water supplies are adequate to prevent irrigation in the Trinity River Basin from experiencing further shortages until 2020.

# **Montgomery County**

Available groundwater supplies are projected to be inadequate to meet demands in Montgomery County beginning in the 2010 planning period. At this point, several larger communities will be required to seek additional supplies. However, the communities of Cut and Shoot, Magnolia, Patton Village, Roman Forest, Splendora, and Woodbranch were allocated enough groundwater to satisfy their entire demand. Groundwater was allocated to the remaining WUGs proportional to each demand. The mining water demand remaining after including surface water contracts was fully met by local supplies. Livestock demands were met entirely from local supplies. The small irrigation demand in Montgomery County was supplied by surface water contracts from SJRA.

# **Waller County**

The groundwater resources of Waller County were allocated for municipal, manufacturing, mining, irrigation, and livestock based on the groundwater available for the county. The estimated demands for groundwater within the county can be met with available groundwater supplies through the year 2050 when shortages will develop in the Brazos River Basin. The San Jacinto Basin will experience shortages in 2060. Katy, which receives groundwater from Harris County, will experience shortages due to the subsidence restrictions and limited supplies associated with the Harris County portion of the Gulf Coast Aquifer, San Jacinto River Basin.

# 3.4.3 Surface Water Allocation

- The values entered into *Table 3G.1* for municipal WUGs are the surface water supply identified from WWPs and smaller water providers.
- It was assumed that the COH provided enough water to meet its remaining surface water demands after the allocation of water from other contract sales and groundwater allocation.
- Contracts from GCWA were found to exceed the total of the WWP's contracts from other
  providers and water rights. Because of this, GCWA contracts were adjusted to ensure that
  available firm supplies were not exceeded. The process involved analyzing existing contract
  amounts against available supplies.
- As a general rule, if a WUG is found in different counties, the supply allocated to the WUG in
  each county was split based on the surface water demand. In cases where this demand was
  "0," the supply was split equally between these counties. (The surface water demand for
  each entry WUG/county/basin was calculated by subtracting the allocated groundwater for
  that entry from that entity's total demand).
- Municipal contracts that were not identified as a municipal WUG were assumed to be a portion of County-Other and assigned to the appropriate county and basin unit.
- For non-municipal WUGs, contracts from water providers were used to determine contractual sources to various categories. Wherever possible, each contract was associated with a basin through available information.
- For non-municipal WUGs, some information was received from water rights information collected in the previous steps and entered in *Table 3A.1* on a WUG/county/basin basis.
   Ownership and use information for the available firm supplies was provided by the TCEQ Water Rights Database.
- Irrigation entries were compiled from contracts and firm water rights described later in this chapter.
- Livestock entries assumed livestock demands would be provided from local surface water supply sources. This is consistent with past Regional Water Planning procedures.
- In the 2006 Plan, mining WUGs with shortages in the year 2000 were assumed to be supplied from local surface supplies equal to their shortage. This amount was also carried out for the remaining planning periods. The 2011 Plan will adopt the amount identified in the 2006 Plan.

### **Data Collection**

Entities that sell water to WUGs in the region were contacted in order to obtain an up-to-date list of their water commitments. This procedure was repeated at each tier of subsequent transactions until all of the contract water supplies provided by nonmajor water providers could be tracked to an end user, identified as a WUG or part of a WUG.

The remaining water supplies that were entered in *Table 3G-1* are other permit amounts or assumed local supplies. These entries are generally nonmunicipal users. Moreover, with the exception of livestock and mining supplies, the only noncontract supplies that were considered for *Table 3G-1* are the supplies associated with the records listed in *Table 3A-1*.

# **Supply Allocation**

After the data collection process was completed, the contract and non-contract supplies were allocated to each WUG on a county/basin basis. If a portion of the water acquired through a contract by a WUG was provided to another WUG, through a contract or direct retailing, or by using another intermediary seller, the amount associated with the initial WUG was modified accordingly to avoid double accounting of water. Within each category (county-other, manufacturing, mining, steam-electric, livestock, irrigation), all entities receiving water directly from the same source or obtaining water via contracts from the same provider/self provider and from the same source were aggregated into a single record.

Non-municipal contract supplies were allocated to a specific county/basin unit where possible. This involved the determination of the correct county and basin location for each recipient. Use of the historical data from the water use reports provided by TWDB was instrumental in this process. For example, the COH WWP currently has a wholesale contract with the manufacturing entity, Dixie Chemical Company. It was found that Dixie Chemical is using the water in Harris County in the San Jacinto-Brazos River Basin. Therefore, the current contract supply amount for Dixie Chemical would be added to the overall manufacturing supply available in Harris County, in the San Jacinto-Brazos Basin, and receiving water from the same source (in this case, Lake Livingston).

The allocation of the municipal contract supplies was more complex. Most of the water providers that receive water via a wholesale agreement have retail customers that are in their service areas. Retail customers are defined here as those recipients of water that pay for their service through some means other than a wholesale agreement (i.e., monthly billings). There is not a well-defined methodology for determining the amount of water available to these types of users. For the most part, the availability of water for these WUGs at the city/county level was assessed on a case-by-case basis. For those municipal WUGs that were divided into more than one basin, the availability to each basin was based on the basin's proportionate share of the city/county surface water demand.

For water rights for irrigation that were not found to be sold through contract, such as irrigation rights owned by individuals, the entire supply was allocated to irrigation. Irrigation contracts were used, where available, to determine what portion of a water provider's water right was actually sold for irrigation use. Most of the irrigation supplies are year-to-year contract supplies that are allocated differently with each growing season. For the most part, providers of irrigation water sell water to irrigators in their immediate vicinity. It was assumed that irrigation water rights provided water to the basin in which they originated unless known contracts allocated the water to another location. Contracted water supplies for irrigation were assumed to serve customers along the canal system in which it was conveyed.

The 2006 Plan assumed that livestock demands not met by groundwater were supplied by water available from local surface supply sources (i.e., stock ponds). Much of the mining demand for surface water also appeared to be supplied from local sources. However, it was assumed that these supplies would not increase in quantity over the planning period and alternative sources would be required to supplement any growth in demand. The year 2000 local supply quantity was held

constant through the year 2060. The 2011 Plan will retain the local supply volumes recommended in the 2006 Plan.

# 3.4.3.1 Municipal Contracts Allocation

#### **Anahuac**

The City of Anahuac receives 1,105 acre-feet per year from the CLCND. This amount was split between the Neches-Trinity and Trinity River Basins based on the surface water demand ratios, by basin.

# **Angleton**

The City of Angleton receives approximately 2,016 acre-feet per year from Brazosport Water Authority (BWA) (nonmajor water provider), provides 202 acre-feet per year (approximately 10 percent) to manufacturing in the Brazoria County/San Jacinto-Brazos Basin (assumed that the split is for the entire length of the contract between City of Angleton and BWA). The amount remaining for the City of Angleton is 1,815 acre-feet per year.

### **Bacliff MUD**

Bacliff MUD is contracted to receive 1,373 acre-feet per year from GCWA for municipal use.

# **Bayou Vista**

Bayou Vista receives 519 acre-feet per year from GCWA.

#### City of Baytown

Baytown Area Water Authority (BAWA) receives 13,326 acre-feet per year from COH and provides water to several water supplies and to the City of Baytown. BAWA provided information regarding the amounts distributed to each of its customers. It was assumed that the BAWA customers Fresh Water Supply District 1-A, Harris County Fresh Water Supply District 1-B, Harris County Fresh Water Supply District 27, Lake MUD, Country Terrace, and Cedar Bayou represent county-other in the Trinity-San Jacinto Basin. The allocation of BAWA's contract is shown below.

Baytown
 15,934 ac-ft/yr

Harris County WCID 1 784 ac-ft/yr

Harris County-Other (Trinity-San Jacinto)
 816 ac-ft/yr

The amount of water that the City of Baytown receives was calculated based on the surface water demand. The part of Baytown located in Harris County is also located in two different basins, Trinity-San Jacinto and San Jacinto. The amounts entered in these basins were prorated based on the surface water demands.

#### **Bellaire**

Bellaire receives 1,310 acre-feet per year of blended surface water and groundwater from the COH. As the groundwater reduction plan for the area progresses the amount of groundwater used will decrease significantly. The entirety of this contract was assumed to be made up of surface water and was allocated to municipal use.

### **Bolivar Peninsula SUD**

Bolivar SUD contracts to receive 5,550 acre-feet per year from LNVA. It was assumed that 1 acre-feet per year of this contract could be used to provide water to county-other in the Neches-Trinity basin, leaving 5,549 acre-feet per year available to Bolivar SUD. The contracted supply is projected to decrease from 5,550 acre-ft per year in 2010 to 5,300 acre-ft per year in 2060.

#### **Brazoria**

Brazoria has a contract with BWA for 336 acre-feet per year, and the entire contract was allocated to the City of Brazoria. The City of Brazoria is located in two different basins, the Brazos and Brazos-Colorado. The contract amount was prorated between these two basins based on the total water demand ratios for these two basins.

# **Bunker Hill Village**

The COH provides 635 acre-feet per year of blended water to Bunker Hill Village. This entire supply was allocated as surface water as the portion of this supply from surface water will increase throughout the groundwater reduction plan.

# **Chimney Hill MUD**

Chimney Hill MUD receives water under a contract from the COH. COH provides 426 acre-feet of groundwater/year to the MUD, and it was assumed the groundwater was obtained from the San Jacinto River Basin.

# **Clear Brook City MUD**

The Clear Brook City MUD receives 1,680 acre-feet per year from the COH for municipal use. The MUD is a partner in the Southeast Water Purification Plant.

### **Clear Lake Shores**

Based on information received from Galveston County WCID 12, this water provider serves Clear Lake Shores, Kemah, Lazy Bend (county-other), and a small number of customers in League City. Water provided to Kemah is sold wholesale to the City of Kemah, and then to other customers. All other sales by the district are carried out directly between WCID 12 and the customer. The WCID 12 contract from GCWA was split between Kemah and other customers in the district according to the ratio of usage between Kemah and WCID 12. The portion of water allocated to WCID 12 was further divided among Clear Lake Shores, League City, and county-other according to the number of connections served in each community. The resulting volumes for each WUG are:

•	Keman	64 ac-ft/yr
•	League City (Galveston County)	13 ac-ft/yr
•	Lazy Bend (WCID 12)	799 ac-ft/yr
•	Clear Lake Shores	155 ac-ft/yr

# **Central Harris County Regional Water Authority (CHCRWA)**

CHCRWA has a contract with the COH for 2,375 acre-feet per year.

### Clute

The City of Clute has a contract with BWA for 1,120 acre-feet per year; the entire contract was allocated to City of Clute.

### **County-Other in Brazoria County**

BWA has contracts with Clemens Unit-TDCJ and Wayne Scott Unit-TDCJ for 420 acre-feet per year. The demands of these units were considered part of the county-other demand; therefore, since these units are located in Brazoria County, they were allocated to county-other in Brazoria County. The portion for the Clemens Unit was allocated to the Brazos-Colorado Basin while the Wayne Scott Unit supply contract was allocated to the San Jacinto-Brazos River Basin.

### **County-Other in Fort Bend County**

Fort Bend County WCID 2 has an option contract with GCWA for 11,762 acre-feet per year. This contract was reduced so that GCWA contracts did not exceed supplies. Based on the information received from the contacted person, this amount, if used, would be split among its customers. Since GCWA provides retail water to its customers, an exact amount is difficult to estimate; therefore, GCWA estimated the amounts for each entity listed below:

•	Missouri City	87 ac-ft/yr
•	Sugar Land (San Jacinto-Brazos River Basin)	30 ac-ft/yr
•	Harris County MUD 122 (assumed Harris County-other, San Jacinto River Basin)	195 ac-ft/yr
•	Fort Bend County, unincorporated area (assumed Fort Bend County-other, San Jacinto-Brazos River Basin)	73 ac-ft/yr
•	Stafford	6,194 ac-ft/yr

The amount indicated for Stafford and Missouri City was divided by basin and county according to surface water demand.

# **County-Other in Harris County**

Several water providers including WWPs provide water to county-other in Harris County. These contributions are described below.

The provider with the alpha number 1095 in *Table 3G.1* is the La Porte Area Water Authority (LAWA). LAWA has a contract with COH for 8,734.6 acre-feet per year. According to the information received from LAWA, LAWA provides water to the cities of La Porte, Shoreacres, and Morgans Point. The volumes of water are shown below.

•	Shoreacres	406 ac-ft/yr
•	Morgans Point (entered as Harris County-Other)	688 ac-ft/yr
•	City of La Porte	8,656 ac-ft/yr

As Morgans Point resides within both the San Jacinto and San Jacinto-Brazos River Basins, the water provided to county-other was split based on area. Because Morgans Point is divided fairly equally by the two basins, the 616 acre-feet per year was split in half.

North Channel Water Authority receives 6,682 acre-feet per year from COH that can be split among its customers. A summary of water usage for several years was provided by NCWA and used to prorate the COH contract amount among NCWA customers on a basis of their total water use. Municipal users that were not listed as individual WUGs were combined into county-other. The amount of contract water allocated to each WUG is shown below.

•	Harris County FWSD 6	187 ac-ft/yr
•	Harris County FWSD 47	288 ac-ft/yr
•	Harris County FWSD 51	1,539 ac-ft/yr
•	Harris County MUD 53	836836 ac-ft/yr
•	Harris County WCID 21	913 ac-ft/yr
•	Harris County WCID 36	802 ac-ft/yr
•	Harris County WCID 84	310 ac-ft/yr
•	Pine Trails Utility	480 ac-ft/yr
•	County-Other	281 ac-ft/yr
•	Manufacturing	1,046 ac-ft/yr

The City of Pasadena receives water from COH, and it is one of the Southeast Purification Plant participants. Contract information was not available from the City of Pasadena and therefore information used in the 2006 Region H Regional Water Plan was used for the current plan. Based on the information received from the City of Pasadena for the 2006 Regional Water Plan, its customers are City of Seabrook (which in turn provides some of this water to the City of El Lago), manufacturing companies located in Harris County (San Jacinto-Brazos River Basin), and Clear Lake Water Authority (CLWA). These amounts are shown below.

•	Seabrook and El Lago	1,120 ac-ft/yr
•	County-Other	3,360 ac-ft/yr
•	Manufacturing	5,040 ac-ft/yr

The remaining supply from Pasadena was assumed to be available to satisfy the demands of the City of Pasadena.

The Fort Bend County WCID 2 contract allocation was described under county-other in Fort Bend County. The amount allocated to county-other in Harris County is 349 acre-feet per year.

Baytown Area Water Authority provides water to several communities in Harris County that are not listed as WUGs. This water was allocated to Harris county-other. The BAWA contract allocation is described under Baytown.

Municipal customers of the COH that were not itemized as WUGs were combined into county-other, based on the customer's location. COH provides groundwater to the San Jacinto, San Jacinto-Brazos, and Trinity-San Jacinto River Basins for use by county-other WUGs.

# **County-Other in Galveston County**

The 275 acre-feet contract between GCWA and Bayview MUD was allocated to county-other in Galveston County. The COH has a contract to supply Galveston County with 18,477 acre-feet per year for municipal use and it was assumed that this amount provided supply to the portion of Galveston County in the San Jacinto-Brazos basin. It was also assumed that the infrastructure that provides LNVA water to Bolivar SUD also provides water to county-other in the Neches-Trinity basin.

# **County-Other in Montgomery County**

COH provides 381 acre-feet per year to Montgomery County MUD 98. The entirety of this amount was allocated to county-other.

# **County-Other in San Jacinto County**

Waterwood MUD has a contract for 560 acre-feet per year from the Trinity River Authority. This supply was allocated to county-other in the Trinity River Basin.

### **County-Other in Trinity County**

Three contracts from TRA were entered as county-other category in Trinity County. One of the contracts, listed for "Individual Domestic Use" was entirely allocated to county-other in Trinity County. Westwood Shores MUD is the recipient of 56 acre-feet per year from TRA, and it represents part of the demand of the county-other category in Trinity County. The other contract entered in this category is part of the Trinity County Regional Water Supply System (TCRWSS) contract. TCRWSS has a contract with TRA for 2,800 acre-feet per year through 2009, 3,360 acre-feet per year from 2010 through 2014, and 3.921 acre-feet per year following that. TCRWSS provides water, on a retail basis, to the WUGs of Trinity and Groveton, Riverside Water Supply, Trinity Rural Water Supply. It was assumed that enough water would be provided to each WUG TCRWSS serves to meet demands and that the remaining contract would be allocated to county-other in Trinity County.

# **County-Other in Walker County**

Most of the contract of 11,202 acre-feet per year that the Huntsville Regional Water Supply System (HRWSS) has with TRA was allocated to the City of Huntsville. A small portion of this contract (15 percent) was allocated to county-other, based on our assumption that there are unincorporated areas in the vicinity of Huntsville that are supplied by the city. This amount was split by basin based on the surface water demand ratios.

# Crosby

Crosby MUD serves the City of Crosby and has a contract with SJRA for 1,120 acre-feet per year. Based on the information received from the City of Crosby, all the water is used for residential purposes except a small amount that is supplied to a manufacturing company located in Harris County. The City of Crosby receives 1,050 acre-feet per year. The remaining 70 acre-feet is allocated to the manufacturing category in Harris County, San Jacinto River Basin.

### **Deer Park**

The City of Deer Park has a contract with COH for 3,956 acre-feet per year, and Deer Park uses the entire amount for residential purposes. The contract was split by basins based on the surface water demand ratios.

#### Dickinson

Galveston County WCID 1 has a contract with GCWA for 5,224 acre-feet per year and provides this water to Dickinson, Texas City, and League City, which are all retail customers. The contract amount, after adjustment, is equal to 3,232 acre-feet per year. Based on the information received from Galveston County WCID 1, it provides water to 50 houses in Texas City, League City pays for 1 mgd (it currently uses 150,000 gallons/day), and the rest goes to Dickinson. For all decades, Texas City was allocated an amount equal to 2.5 persons/house and a 150 gallons per day per person. League City was allocated the 1 mgd contract.

# El Lago

The City of Seabrook receives water from the City of Pasadena and then sells the water to El Lago. The volume of water provided by Pasadena was split between Seabrook and El Lago based on surface water demands. The contract with the City of Pasadena is for 1,120 acre-feet per year.

## Freeport

BWA has a contract with Freeport for 2,240 acre-feet per year. Based on the information received from the City of Freeport, 85 percent of this contract is allocated to the City of Freeport, and the remaining 15 percent is allocated to different manufacturers in the San Jacinto-Brazos and Brazos River Basins.

#### Friendswood

Friendswood has a contract with COH for 6,719 acre-feet per year and is one of the Southeast Purification Plant participants. The contract is entirely allocated to municipal use for the City of Friendswood. The contract was split in two entries in different counties, based on the surface water demand ratios for the two counties.

### Galena Park

Galena Park has a contract with COH for 1,008 acre-feet per year. Galena Park personnel indicated that 94.6 percent of this contract goes to municipal use for the City of Galena Park. The remaining 5.4 percent of the contract amount is supplied to manufacturing use in Harris County in the San Jacinto River Basin. Galena Park receives 954 acre-feet per year. Manufacturing in the San Jacinto River Basin receives the balance of the contract, or 54 acre-feet per year.

# Galveston

Galveston receives 24,217 acre-feet per year from GCWA. This water is distributed among the city and two wholesale customers, Galveston County MUD 1 and Jamaica Beach. Galveston no longer serves customers that are not located on Galveston Island. As these customers receive water on a retail basis, it is difficult to determine a set amount provided to each one. Instead, this volume of water was divided among the three recipients according to their surface water demands in each decade.

### **Galveston County MUD 1**

The Galveston County MUD 1 surface supply is divided out of the total supply from GCWA to the City of Galveston according to its demand ratio among the other two recipients as described under Galveston.

# **Galveston County WCID 12**

The division of the GCWA supply to Galveston County WCID 12 and the WUGs it provides water to, is described under Clear Lake Shores.

#### Groveton

Groveton receives 119 acre-feet per year from TCRWSS in 2010, as explained in the county-other in Trinity County section above.

### **Harris County FWSD 6**

Harris County FWSD is provided 187 acre-feet of water per year from NCWA as described under county-other in Harris County.

# **Harris County FWSD 47**

Harris County FWSD 47 receives 288 acre-feet per year of water from NCWA. This amount was allocated as described under county-other for Harris County.

# **Harris County FWSD 51**

Harris County FWSD 51 is also a customer of NCWA and is provided a portion of water according to the description under county-other in Harris County. The estimated supply to FWSD 51 is 1,539 acre-feet per year.

### **Harris County MUD 8**

COH has a contract with Harris County MUD 8 to provide 420 acre-feet of groundwater.

#### **Harris County MUD 53**

NCWA provides an estimated 836 acre-feet per year of supply to Harris County MUD 53. This estimate is described for county-other in Harris County.

#### **Harris County MUD 55**

The COH provides 3,877 acre-feet per year to Harris County MUD 55. This contract is perpetual and was assumed to continue throughout the planning periods.

# **Harris County MUD 158**

Harris County MUD 158 receives 411 acre-feet of groundwater per year from COH. It was assumed that this water originated from the San Jacinto River Basin.

### **Harris County MUD 261**

Harris County MUD 261 and Windfern Forest UD receive 140 acre-feet of groundwater/year from COH. This amount was split between the two districts according to surface water demands.

# **Harris County WCID 1**

BAWA has a contract to provide 784 acre-feet per year to Harris County WCID 1.

### **Harris County WCID 21**

NCWA provides 913 acre-feet of water per year to Harris County WCID 21 as described under county-other in Harris County.

### **Harris County WCID 36**

The description for county-other in Harris County explains the allocation of water from NCWA and includes the 802 acre-feet per year provided to Harris County WCID 36.

# **Harris County WCID 84**

Harris County WCID 84 provides 310 acre-feet of water per year to Channelview from its source, NCWA. The assignment of this supply is described under county-other in Harris County.

# **Hedwig Village**

Memorial Villages Water Authority (MVWA) has a contract with COH for 747 acre-feet per year of blended water. It was assumed for planning purposes that this water originated from a surface source. Based on the information received from MVWA, this contract is split between Hedwig Village, Piney Point Village, and Hunters Creek. Since these entities are retail customers, without information on exact amounts, the contract was split among the customers based on their total water demand ratios for each planning period.

### **Hitchcock**

Hitchcock is a customer of GCWA and is contracted to receive 1,731 acre-feet per year on a perpetual basis.

### Houston

The City of Houston, in its capacity as water provider to residents within the city limits, receives its water from several sources that are operated as a system. The available supply of this system, less contracts to other parties, was assumed to make up the available supply for Houston. This total volume was distributed among the individual occurrences of the Houston WUG in each basin and county.

Additionally, the Clear Lake City Water Authority provides a portion of its contract from COH to areas of Houston. As some of the authority's contracts are indefinable, it was assumed that Webster and Pasadena received a share of water prorated by the area served in each community. The amount of water remaining was assumed to serve Clear Lake (a portion of the Houston WUG). The amounts of water provided to each CLCWA customer are shown below.

City of Houston
 8,076 ac-ft/yr

City of Pasadena 8,619 ac-ft/yr

Taylor Lake Village 1,730 ac-ft/yr

Nassau Bay
 2,184 ac-ft/yr

Manufacturing

1,792 ac-ft/yr

#### Humble

The City of Houston provides 47 acre-feet of groundwater per year to Humble.

# **Hunters Creek Village**

This entity receives its water from the MVWA. As described under Hedwig Village, the amount of water that MVWA receives from COH was shared among its customers based on the surface water demand ratios.

#### Huntsville

Huntsville receives 12,321 acre-feet of groundwater per year from the Huntsville Regional Water Supply System (HRWSS). Approximately 15 percent of this water is allocated to county-other to support surrounding communities. The remaining supply was allocated to the City of Huntsville.

# **Jacinto City**

Jacinto City has a contract with COH for 1,120 acre-feet per year, and the entire amount of the contract is allocated to municipal use in Jacinto City.

### Jamaica Beach

The City of Galveston provides water to Jamaica Beach, as described under Galveston. The portion of water provided to Jamaica Beach for each planning period was prorated from the GCWA supply according to the surface water demands of each end user customer.

### Jersey Village

The City of Jersey village has a contract with COH for 840 acre-ft per year of groundwater.

#### Kemah

Galveston County WCID 12 provides water to Kemah, as described for Clear Lake Shores.

### La Marque

The GCWA contract to La Marque was reduced from 3,207 to 2,224 acre-feet per year. The contract is entirely allocated for municipal usage.

#### La Porte

The La Porte Area Water Authority receives water from COH and then distributes water to the City of La Porte and other customers. The City of La Porte receives 8,656 acre-feet per year, as described previously at county-other in Harris County. This contract was split between the city's WUGs in the San Jacinto and San Jacinto-Brazos River Basins.

#### Lake Jackson

Lake Jackson receives water from BWA, and the entire contract of 2,240 acre-feet per year is allocated to municipal use for Lake Jackson.

# **League City**

League City receives the majority of its water from two providers, GCWA and Galveston County WCID 1. The League City contract with GCWA is for 2,307 acre-feet per year. League City also contracts for 1 mgd with Galveston County WCID 1. Galveston County WCID 12 also provides a small amount of water to customers in a portion of League City in Harris County. This is shown under Clear Lake Shores.

## Livingston

Livingston receives water from the Livingston Regional Water Supply System. The entire amount, 5,601 acre-feet per year, is allocated to Livingston for its municipal use.

### **Missouri City**

Missouri City has a contract with GCWA for 16,802 acre-feet per year. However, this amount was reduced to 9,487 to reflect the supply available from the GCWA. The other provider for Missouri City is Fort Bend WCID 2. The amount received by Missouri City from Fort Bend County WCID 2 is shown above, at county-other in Fort Bend County. Missouri City in Fort Bend County is split by basins based upon surface water demand ratios.

### Nassau Bay

Nassau Bay receives water from Clear Lake Area Water Authority. The current amount contracted, 2,184 acre-feet per year, is assumed to remain constant through 2060. Nassau Bay uses the whole amount contracted for its municipal use.

# North Fort Bend Water Authority (NFBWA)

The COH has a contract with the North Fort Bend Water Authority which supplies 21,841 acre-feet per year of water. The COH will activate the supply the (NFBWA) in the year 2013.

### **North Harris County Regional Water Authority**

NHCRWA has a contract with COH for 11 acre-feet per year until 2010. Beginning in 2010, the authority will receive 34,714 acre-feet of surface water/year.

#### **Onalaska WSC**

The Onalaska WSC receives 672 acre-feet per year from TRA.

### **Oyster Creek**

Oyster Creek receives water from BWA, and the entire contract, 106 acre-feet per year, is allocated for municipal use in Oyster Creek.

#### Pasadena

Pasadena receives water from COH and from CLWA. The COH contract allocation is described under county-other in Harris County. The CLCWA contribution to Pasadena was described above under Houston.

# **Pearland**

Pearland has a contract with GCWA with an available supply of 15,675 acre-feet per year, valid until 2010, and a contract with COH for 560 acre-feet per year until 2041. Pearland is located in Harris

and Brazoria Counties. Therefore, these contracts are split between the two counties based on surface water demand.

#### **Pecan Grove**

Pecan Grove receives 3101, acre-ft of water contracted from the BRA via the GCWA. Although Pecan Grove has already contracted supply form the BRA, construction of a surface water treatment plant to treat the raw water will not begin construction until 2010. Pecan Grove is located in Fort Bend County and the contract is allocated for 3,101 acre feet per year for municipal use.

### **Pine Trails Utility**

Pine Trails Utility is a customer of NCWA and receives 480 acre-feet per year as estimated under county-other in Harris County.

### **Piney Point Village**

Memorial Villages Water Authority (MVWA) provides Piney Point Village with water from its contract with COH. As described above, under Hedwig Village and Hunters Creek Village, this contract is split between the MVWA customers.

#### Richmond

The City of Richmond has two municipal contracts with the Brazos River Authority for a total amount of 3,000 acre-feet per year.

#### Richwood

Richwood receives water from BWA, and the entire contract of 263 acre-feet per year is allocated for municipal use by Richwood.

# **Riverside WS Corp**

Riverside WS Corp receives 20 acre-feet of water/year from TCRWS as mentioned above in county-other for Trinity County. This amount was allocated to Walker County as San Jacinto County had no shortages for this WUG.

# Rosenberg

Rosenberg receives water from the Brazos River Authority and the contract of 4,500 acre-feet per year is allocated for municipal use by Rosenberg.

# San Jacinto WSC

San Jacinto Water Supply Corporation receives 280 acre-feet per year from TRA. Coldspring is included in their service area, but since Coldspring has enough groundwater to meet its demand, this contract was allocated entirely to the San Jacinto Water Supply Company.

### San Leon

San Leon receives 2,059 acre-feet per year of water from GCWA. The entire contract amount is allocated to the municipal use in San Leon.

### Santa Fe

Santa Fe (Galveston County WCID 8) has a contract with GCWA for 1,154 acre-feet per year.

#### Seabrook

The Pasadena contract was split between El Lago and Seabrook as described under El Lago.

#### **Shoreacres**

La Porte provides water to Shoreacres, as shown in the allocation of the contract between the La Porte Area Water Authority and COH described under county-other in Harris County.

#### **South Houston**

As one of the Southeast Water Purification Plant partners, South Houston has a contract with COH for 4199 acre-feet per year. The contract is entirely allocated to municipal use for the City of South Houston.

#### **Southside Place**

Southside Place has a contract with COH for 319 acre-feet per year, and the entire contract is used to meet its municipal demands.

#### Stafford

Stafford receives water from Fort Bend County WCID 2. Fort Bend County WCID 2 has an option contract with GCWA. The contract allocation is described above at county-other in Fort Bend County. The amount that Stafford receives is split between Fort Bend County and Harris County based on surface water demand ratios. The amount allocated to the part of Stafford located in Fort Bend County is split by basins, between San Jacinto and San Jacinto-Brazos River Basins, based on their surface water demand ratios.

# Sugar Land

Sugar Land has two water providers. Fort Bend County WCID 2 provides water to some residents of Sugar Land, and the amount allocated is described under county-other in Fort Bend County. This amount is assumed to serve the portion of Sugar Land located in the San Jacinto-Brazos River Basin. GCWA has a contract with the City of Sugar Land for 22,403 acre-feet per year. This contract was adjusted to 12,533 acre-feet per year and is entirely allocated to the City of Sugar Land for its municipal use. The GCWA contract amount was split by basins based on the surface water demand ratios.

#### Sunbelt FWSD

The City of Houston provides 187 acre-feet of groundwater per year to the Sunbelt FWSD, in addition to 299 acre-feet of blended water/year. This blended supply is assumed to be surface water in *Table 3G.1*. Sunbelt is also a member of the COH Groundwater Reduction Plan.

### **Taylor Lake Village**

Clear Lake City Water Authority provides 1,730 acre-feet of water per year to Taylor Lake Village. The allocation of the CLWA contract with COH was described under Houston.

### **Texas City**

Texas City has two water providers. The entity providing the largest amount is GCWA. The contract from GCWA is 12,016 acre-feet per year and is used entirely by the City of Texas City for its municipal water usage. The other provider is Galveston County WCID 1, and the allocation of its contract with GCWA is summarized under Dickinson. This small amount of water was estimated to be approximately 21 acre-feet per year.

### The Woodlands

The Woodlands receives groundwater from SJRA under a contract for 11,280 acre-feet per year. The available groundwater supply is projected to be diminished over time as a result of groundwater availability.

#### Tiki Island

Tiki Island receives water from GCWA under a contract for 415 acre-feet per year.

### **Trinity**

Trinity receives water from TCRWSS. The allocation of the TCRWSS contract is described under county-other in Trinity County and is equal to the TWDB demands for Trinity.

# **Trinity Bay Conservation District**

The Trinity Bay Conservation District receives 663 acre-feet per year from CLCND. LNVA provides an additional sum of water on an as-needed basis to the district through the Winnie Treatment Plant. When the new Winnie Water Treatment Plant is completed, the district will have the capacity to receive 2.4 mgd of water from LNVA. Therefore, it is assumed that the available supply from the Rayburn-Steinhagen system is 2,688 acre-feet per year. These supplies were split between the Trinity and Neches-Trinity River Basins according to demand.

# **Trinity Rural WS Corp**

As described under county-other in Trinity County, Trinity Rural WSC supply is provided 160 acre-feet per year by TCRWSS. This entire amount was allocated to the Trinity Rural WSC in Walker County.

### Webster

The City of Webster has a contract with COH for 4,536 acre-feet per year and is using the entire contract amount for its municipal water use. CLAWA provides an additional 4,475 acre-feet per year from their surface water allocation from COH.

### **West Harris County Regional Water Authority**

WHCRWA will begin a contract with COH for 20,437 acre-feet per year in 2010. This amount was allocated between the portions of WHCRWA located in Harris and Fort Bend Counties based on surface water demand.

### **West University Place**

The City of West University Place has a contract with COH for 2,053 acre-feet of groundwater/year, and it is using the entire contract amount for its municipal water use.

### Windfern Forest UD

Windfern Forest UD shares a 140 acre-feet per year contract with Harris County MUD 261. This amount was split between the two districts according to their demands in each decade as described under Harris County MUD 261.

# 3.4.3.2 Manufacturing Supplies

### **BRAZORIA COUNTY**

Brazoria County manufacturing supplies are allocated below.

Provider	2010	2020	2030	2040	2050	2060		
	(acre-feet/year)							
Angleton	202	202	202	202	202	202		
Dow	137,475	137,475	137,475	137,475	137,475	137,475		
Freeport	336	336	336	336	336	336		
GCWA	20,012	20,012	20,012	20,012	20,012	20,012		
BRA	16,000	16,000	16,000	16,000	16,000	16,000		
Individual Water Rights	12,019	12,019	12,019	12,019	12,019	12,019		

The supply listed by the City of Angleton is provided from their contract from BWA. The Dow supply represents the company's firm water right and assumes that the full quantity is either contracted to other entities or used for the Dow facility itself. Freeport allocates approximately 15 percent of its contract from BWA to manufacturing, providing the value listed above. The sum of GCWA contracts to manufacturers in the San Jacinto-Brazos River Basin totals 20,012 acre-feet per year (after adjustment in order to observe available supplies). All contract amounts were allocated to the basin in which the consumer was located. Water rights intended for manufacturing were allocated to the basin the source originated in.

# FORT BEND COUNTY

Fort Bend County manufacturing supplies are allocated below.

Provider	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
FBC WCID 1	1,000	1,000	1,000	1,000	1,000	1,000

The Fort Bend County WCID 1 has a contract with Imperial Sugar for 1,000 acre-feet per year. Originally, this contract was for the entire 20,000 acre-feet per year yield from this right. However, this was reduced due to Imperial Sugar's plant closure. This contract was allocated to the San Jacinto-Brazos River Basin.

# **GALVESTON COUNTY**

Galveston County manufacturing supplies are allocated below.

Provider	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
GCWA	68,414	68,414	68,414	68,414	68,414	68,414

The GCWA amount represents the sum of contracts between the Gulf Coast Water Authority and manufacturers in Galveston County, San Jacinto-Brazos River Basin. This sum is adjusted so that the total GCWA contracts do not exceed supplies.

#### HARRIS COUNTY

Harris County manufacturing supplies are allocated below.

Provider	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
СОН	352,756	352,756	352,756	352,756	352,756	352,756
Crosby	70	70	70	70	70	70
Galena Park	54	54	54	54	54	54
Pasadena	5,040	5,040	5,040	5,040	5,040	5,040
SJRA	76,952	76,952	76,952	76,952	76,952	76,952

The COH amount includes Houston and CWA contracts to manufacturers in Harris County. The appropriate portions of the contract sum were allocated to the basin in which the manufacturer was located. The supplies from Crosby and Galena Park represent portions of their contracted supplies provided for manufacturing. The Pasadena supply was split between the San Jacinto and San Jacinto-Brazos River Basins according to surface water demand. The sum of SJRA contracts was split according to the location of the contract customer.

A portion of the water provided by COH, equal to 23,404 acre-feet per year, is actually contracted to Lyondell-Citgo Refining WWP. This water is used for refinery processes by LCR as well as 16,733 acre-feet/year of steam-electric demand by a customer of LCR. Attempts were made to contact LCR regarding how this water is used, which user receives the water first, and which portion of the water is reused between the two users. Lyondell-Citgo was unable to provide any information regarding this use pattern and, therefore, the total sum of water has been shown in the shortage analysis and the table above with COH as the provider.

### 3.4.3.3 Irrigation Supplies

# **BRAZORIA COUNTY**

Brazoria County irrigation allocations are tabulated below.

Irrigator	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
Individual Water Rights	10,529	10,529	10,529	10,529	10,529	10,529

The water supply listed as individual water rights consists of the firm water rights within each basin. It was assumed that this water was used for agriculture within the source basin.

### **CHAMBERS COUNTY**

Chambers County irrigation allocations are tabulated below.

Irrigator	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
CLCND	40,000	40,000	40,000	40,000	40,000	40,000
LNVA	33,300	33,300	33,300	33,300	33,300	33,300
TRA	16,818	16,552	16,370	16,170	15,941	15,669
Individual Water Rights	23,995	23,995	23,995	23,995	23,995	23,995

The CLCND amount represents the volume of water provided to Devers Canal customers in the Neches-Trinity River Basin by the CLCND. The LNVA amount is the sum of annual irrigation contracts to individuals in the Neches-Trinity River Basin. The water supplied by TRA represents the amount contributed to the Devers Canal system, split between Chambers and Liberty Counties according to irrigation surface demand in the basins served by the canal. In Chambers County, this water was only provided to the Neches-Trinity River Basin. Individual water rights for irrigation were assumed to be applied within the basin from which they originated.

### FORT BEND COUNTY

Fort Bend County irrigation allocations are tabulated below.

Irrigator	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
GCWA	2,143	2,143	2,143	2,143	2,143	2,143
NRG	12,000	12,000	12,000	12,000	12,000	12,000

The GCWA supply represents the adjusted contract amounts between GCWA and several irrigators in the San Jacinto-Brazos River Basin. The supply from NRG represents the firm irrigation supply from the Brazos River Basin contracted to Richmond Irrigation. It was assumed that this entire amount was used within the Brazos River Basin. The balance of this water right was allocated to steam-electric in the Brazos basin.

### **GALVESTON COUNTY**

Galveston County irrigation allocations are tabulated below.

Irrigator	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
GCWA	142	142	142	142	142	142

The GCWA allocated amounts equal the contracted volume of water to irrigation users in Galveston County.

# **HARRIS COUNTY**

Harris County irrigation allocations are tabulated below.

Irrigator	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
SJRA	1,476	1,476	1,476	1,476	1,476	1,476
Individual Water Rights	1,355	1,355	1,355	1,355	1,355	1,355

The SJRA amount is equal to the current irrigation contracts between SJRA and customers in Harris County. It was assumed that these annual contracts ran perpetually and that they served irrigation demands in the San Jacinto River Basin.

### LIBERTY COUNTY

Liberty County irrigation allocations are tabulated below.

Irrigator	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
СОН	33,000	33,000	33,000	33,000	33,000	33,000
Devers Canal	2,500	2,500	2,500	2,500	2,500	2,500
LNVA	19,700	19,700	19,700	19,700	19,700	19,700
TRA	10,682	10,948	11,130	11,130	11,559	11,831

The COH supply was purchased from the Dayton Canal Irrigation Company and is assumed to be provided to irrigators within the Trinity River River Basin. The Devers Canal irrigation supply listed above is from a water right from the Trinity River and was split between the basins served by the Devers Canal system based on demand. The LNVA amount is the sum of the authority's contracts to individual farmers, assumed to be located in the Neches-Trinity River Basin. The volume of water provided to irrigation by TRA is Liberty County's share of the TRA contribution to the Devers Canal system. The water rights available to irrigation in Liberty County were allocated to the basin in which the supply originated.

# **MONTGOMERY COUNTY**

Montgomery County irrigation allocation is tabulated below.

Irrigator	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
SJRA	880	880	880	880	880	880

The SJRA amount is the sum of water contracts between SJRA and irrigators in Montgomery County. These year to year contracts were assumed to be renewed through 2060.

### **POLK COUNTY**

Polk County irrigation allocation is tabulated below.

Irrigator	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
TRA	20	20	20	20	20	20

The TRA amount allocated is the sum of contracts to Memorial Point Townhouse Association and Fountain Lake Townhouse Association. These users represent minor irrigators and, therefore, no irrigation demand is shown for Polk County and this supply is not shown in *Table 3G.1*.

# **SAN JACINTO COUNTY**

San Jacinto County irrigation allocation is tabulated below.

Irrigator	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
TRA	175	175	175	175	175	175

The TRA amount allocated is the sum of two contracts between Royal Pines and Waterwood National Resort and TRA.

### **TRINITY COUNTY**

Trinity County irrigation allocation is tabulated below.

Irrigator	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
TRA	290	290	290	290	290	290

The TRA amount allocated is a lump sum of contracts between several water recipients and TRA. The sum of these contracts, 290 acre-feet per year, is the sum of all the individual irrigation amount contracts in Trinity County.

# **WALKER COUNTY**

Walker County irrigation allocation is tabulated below.

Irrigator	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
TRA	10	10	10	10	10	10

The TRA amount represents the irrigation contracts between the authority and irrigators in Walker County, Trinity River Basin.

# 3.4.3.4 Mining Supplies

# **FORT BEND COUNTY**

Fort Bend County mining supplies are allocated below:

Provider	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
GCWA	583	583	583	583	583	583

The BRA portion is contracted to CSB materials and provides for mining in the Brazos River Basin. The GCWA contract provides water to Texas Brine in the San Jacinto-Brazos River Basin.

# 3.4.3.5 Steam-Electric Supplies

#### CHAMBERS COUNTY

Chambers County steam-electric supplies are allocated below:

Provider	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
NRG	30,000	30,000	30,000	30,000	30,000	30,000

The portion shown above is provided through Water Right 3460903926 from Cedar Bayou owned by NRG.

### **FORT BEND COUNTY**

Fort Bend County steam-electric supplies are allocated below:

Provider	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
NRG	112,021	112,021	112,021	112,021	112,021	112,021

The sum of supplies represents two individual rights owned by NRG for use in the Brazos River Basin (Water Rights 3461205320 and 3461205325) and a contract from BRA for 83,000 acre-feet per year.

#### **GALVESTON COUNTY**

Galveston County steam-electric supplies are allocated below:

Provider	2010	2020	2030	2040	2050	2060
	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr	ac-ft/yr
GCWA	2,231	2,231	2,231	2,231	2,231	2,231

The GCWA portion represents the sum of two contracts to steam-electric WUGs in the San Jacinto-Brazos River Basin. These contracts have been adjusted according to the procedures outlined above to limit GCWA contracts to available supplies.

# **HARRIS COUNTY**

Harris County steam-electric supplies are allocated below:

Provider	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
COH	14,369	14,369	14,369	14,369	14,369	14,369
Individual Water Rights	2,120	2,120	2,120	2,120	2,120	2,120

The COH supply is provided to two steam-electric WUGS in the San Jacinto River Basin. Water Right 3461105350 from Clear Creek is assumed to be used by NRG for use in power generation.

#### **MONTGOMERY COUNTY**

Montgomery County steam-electric supplies are allocated below:

Provider	2010 ac-ft/yr	2020 ac-ft/yr	2030 ac-ft/yr	2040 ac-ft/yr	2050 ac-ft/yr	2060 ac-ft/yr
SJRA	7,841	7,841	7,841	7,841	7,841	7,841

The SJRA supply from Lake Conroe provides water to Entergy for steam-electric use.

#### 3.4.4 Wholesale Water Providers

The resources available to Region H through Wholesale Water Providers (WWPs) are listed in *Appendix 3H* in *Table 3H.1*. This list was compiled with the use of the TCEQ Water Rights Database, WAM and GAM results, contract information and clarifications received directly from the WWPs, and the allocation of groundwater resources shown above.

For the sake of this study, water supplies from the CWA have been included with the data for COH. Similarly, water provided by the Trinity County Regional Water Supply System, Huntsville Regional Water Supply System, and Livingston Regional Water Supply System have been listed as TRA as these providers are operated by TRA.

The groundwater supplies shown in *Table 3H.1* represent the groundwater supplied to a WUG by the WWP and not groundwater used by a WUG from its own wells. These amounts of groundwater are generally the available supply as determined by the groundwater allocation method described above. However, COH was known to provide specified amounts of groundwater to its contract customers. Therefore, for the COH WWP, the available supply of groundwater is equal to the groundwater supplied to the Houston WUG plus the sum of groundwater contracts to customers. The groundwater available to NCWA is equal to the sum of groundwater allocated to its customers as it was assumed that NCWA is the only source of water for these customers. Galveston County WCID 1 was allocated the groundwater associated with Dickinson as part of its available supply. The Woodlands is provided water by SJRA, and the groundwater that was available to The Woodlands was assumed to originate from SJRA. Finally, NHCRWA, the City of Pasadena, WHCRWA, and the City of Huntsville were allocated the groundwater associated with each of the WUGs by the same name.

The volume of WWP supplies available to individual WUGs was determined through contract information from the WWPs, previous records, and further clarification from both the providers and customers. Where it was not possible to determine specific contract amounts to each WUG, other

methods were used to approximate the supply to each WUG as described above in the groundwater and surface water allocation sections.

The 2060 supplies available to each WWP are shown below in Table 3-14. Wholesale Water Providers that receive water from another WWP through contractual transfer are listed below the original provider.

The surface water supplies are summarized by county, basin and category of use in Table 3-15. The total county WUG shortages based on projected demands, based on existing supplies, before considering water conservation and water management strategies is presented in Table 3-16. An updated shortage analysis will be included in *Chapter 4* to show the remaining shortage after water conservation and expanded use of groundwater is included. *These shortages are based on projected demands described in Chapter 2. During the development of the 2011 Region H Water Plan it was noted that in several counties in Region H had experienced significant population growth indicating that current and future demands may be higher than previously projected. As a result shortages in later decades may become greater than projected. If that occurs additional shortages may be met with alternative strategies described later in Chapter 4. The current surface water supplies are summarized by category of water use by basin by WWP in Table 3H.2.* 

Table 3-14
Summary of Supplies Available to Region H Wholesale Water Providers in 2060

Wholesale Water Provider*	1	Available Supplies (acre-feet)	s
Wilolesale Water Flovider	Contracts**	Groundwater	Surface Rights
Brazos River Authority <sup>1</sup>			155,030
Dow Chemical Company	16,000		137,475
Gulf Coast Water Authority <sup>2</sup>	44,980		245,716
Galveston County WCID 1 <sup>3</sup>	2,241	309	
NRG⁴	84,547		96,340
Brazosport Water Authority			16,492
Chambers-Liberty Counties Navigation District <sup>5</sup>			76,520
Fort Bend County WCID 1			5,479
City of Houston <sup>6</sup>		86,619	1,217,348
Baytown Area Water Authority	13,326		
Central Harris County Regional Water Authority	2,375	820	
Clear Lake City Water Authority <sup>7</sup>	26,876		
La Porte Area Water Authority	8,735		
Lyondell-Citgo Refining	23,404		
North Channel Water Authority <sup>8</sup>	6,682	3,120	
North Fort Bend Water Authority	21,841	17,016	
North Harris County Regional Water Authority	34,714	21,565	
City of Pasadena <sup>9</sup>	33,035	2,047	
West Harris County Regional Water	20,437	12,049	

Authority			
Lower Neches Valley Authority <sup>10</sup>			60,727
San Jacinto River Authority <sup>11</sup>		7,002	185,710
Trinity River Authority			403,200
City of Huntsville	22,403	5,164	

<sup>\*</sup>WWPs that provide water through contract to other WWPs are shown with the customer WWPs listed below the sellers.

<sup>\*\*</sup>Water received under contract from another WWP.

Available supplies represent contractual agreements to Region H customers only. Supply quantities are for the amount of water currently contracted to Region H customers by BRA.

<sup>&</sup>lt;sup>2</sup> GCWA contracts with its customers exceed available firm yield supplies. For the purpose of the shortage analysis, contracts were adjusted not to exceed supplies.

<sup>&</sup>lt;sup>3</sup> Supplies include GCWA contract and maximum amount of groundwater allowed for Dickinson per HGSD regulations.

<sup>&</sup>lt;sup>4</sup> Supplies include contractual demands to Richmond Irrigation and Brazos Valley Energy, as well as the entire portion of the GCWA contract, which is assumed to be used by NRG. Actual demands may be greater but are overall split among supply sources since actual data is unavailable.

<sup>&</sup>lt;sup>5</sup> CLCND supply includes rights from Lake Anahuac, less 30,000 acre-feet sold to SJRA.

<sup>&</sup>lt;sup>6</sup> Groundwater supply includes the portion of groundwater provided to Houston after prorating available, restricted supplies to WUGs, plus groundwater contracted to other WWPs. Demands include contracts to BAWA, CLCWA, LPAWA, Lyondell-Citgo, NCWA, NHCRWA, Pasadena, and WHCRWA WWPs. Surface water rights for COH include 33,000 acre-feet purchased from the Dayton Canal Irrigation Company; it is allocated entirely to irrigation demands in Liberty County.

<sup>&</sup>lt;sup>7</sup> Assumes all water remaining after contracts is provided to Clear Lake (Houston WUG).

<sup>&</sup>lt;sup>8</sup> NCWA groundwater supply estimated from the 2003-2004 ratio of groundwater to contract water. Demands were assumed to equal supplies.

<sup>&</sup>lt;sup>9</sup> Includes total Pasadena demands, less the portion met by CLCWA.

<sup>&</sup>lt;sup>10</sup> Supplies represent contractual agreements to Region H customers only. Supply quantities are for the entire Rayburn-Steinhagen system and do not represent the portion available to Region H.

<sup>&</sup>lt;sup>11</sup> Includes water demands and available groundwater supplied to The Woodlands. The 2060 groundwater supply shown above is the least amount of groundwater available throughout the planning periods. Also includes 14,944 acre-feet of permitted indirect reuse.

Table 3-15
Surface Water Supply by Categories of Water Use in Each County and Basin

				Availabl	le Supplies	(acre-ft pe	er year)	
County	Basin	Use	Year 2010	Year 2020	Year 2030	Year 2040	Year 2050	Year 2060
AUSTIN	COLORADO	Livestock	52	56	58	59	60	61
		Municipal	238	214	198	187	177	169
	DD 4.700	Manufacturing	153,763	153,763	153,763	153,762	153,742	153,762
	BRAZOS	Irrigation	1,850	1,850	1,850	1,850	1,850	1,850
		Mining	190	190	190	190	190	190
		Livestock	220	228	232	235	236	238
		Municipal	478	478	478	478	478	478
BRAZORIA	BRAZOS- COLORADO	Manufacturing	12,019	12,019	12,019	12,019	12,019	12,019
	OOLONADO	Mining	1,124	1,124	1,124	1,124	1,124	1,124
		Livestock	200	202	206	210	217	225
		Municipal	20,366	20,416	20,444	20,461	20,479	20,493
	SAN	Manufacturing	45,260	45,260	45,260	45,261	45,281	45,261
	JACINTO- BRAZOS	Irrigation	36,012	36,012	36,012	36,012	36,012	36,012
		Mining	305	305	305	305	305	305
		Livestock	545	505	547	591	643	690
		Municipal	5,230	5,228	5,229	5,229	5,227	5,228
	NECHES-	Irrigation	116,568	116,302	116,120	115,920	115,691	115,419
	TRINITY	Mining	505	505	505	505	505	505
		Livestock	317	317	317	317	317	318
		Municipal	2,246	2,248	2,247	2,247	2,249	2,248
	TRINITY	Mining	18,989	18,989	18,989	18,989	18,989	18,989
CHAMBERS		Livestock	50	50	50	50	51	51
		Municipal	821	891	950	996	1,040	1,084
		Irrigation	2,185	2,185	2,185	2,185	2,185	2,185
	TRINITY-	Mining	4,722	4,722	4,722	4,722	4,722	4,722
	SAN JACINTO	Steam Electric Power	30,000	30,000	30,000	30,000	30,000	30,000
		Livestock	48	49	51	52	53	54
FORT BEND		Municipal	15,920	15,921	15,921	15,922	15,922	15,923
		Manufacturing	400	400	400	400	400	400
		Irrigation	34,776	34,776	34,776	34,776	34,776	34,776
	BRAZOS	Mining	0	0	0	0	0	0
		Steam Electric Power	120,211	120,211	120,211	120,211	120,211	120,211
		Livestock	0	207	415	415	415	415

				Availabl	le Supplies	(acre-ft pe	er year)	
County	Basin	Use	Year 2010	Year 2020	Year 2030	Year 2040	Year 2050	Year 2060
	0.411	Municipal	9,069	42,872	46,044	48,640	50,700	52,732
	SAN JACINTO	Mining	8	8	8	8	8	8
		Livestock	13	30	47	47	47	47
		Municipal	24,404	25,113	26,129	26,661	27,361	28,274
	SAN	Manufacturing	1,000	1,000	1,000	1,000	1,000	1,000
	JACINTO- BRAZOS	Irrigation	1,986	1,986	1,986	1,986	1,986	1,986
		Mining	583	583	583	583	583	583
		Livestock	64	98	139	139	139	139
	NECHES-	Municipal	5,550	5,500	5,450	5,400	5,350	5,300
	TRINITY	Mining	106	106	106	106	106	106
		Municipal	77,577	77,842	77,987	78,049	78,093	78,122
		Manufacturing	68,414	68,414	68,414	68,414	68,414	68,414
GALVESTON	SAN	Irrigation	1,639	1,639	1,639	1,639	1,639	1,639
	JACINTO-	Mining	101	101	101	101	101	101
	BRAZOS	Steam Electric Power	2,231	2,231	2,231	2,231	2,231	2,231
		Livestock	306	296	280	280	280	281
		Municipal	393,039	421,482	468,545	503,603	540,974	581,390
		Manufacturing	363,607	363,607	363,635	363,644	363,649	363,647
	SAN	Irrigation	1,476	1,476	1,476	1,476	1,476	1,476
	JACINTO	Mining	992	992	992	992	992	992
		Steam Electric Power	14,369	14,369	14,369	14,369	14,369	14,369
		Livestock	324	666	803	803	803	803
		Municipal	57,032	58,941	60,765	62,703	64,775	67,021
HARRIS		Manufacturing	55,739	55,739	55,711	55,702	55,697	55,699
	SAN JACINTO-	Mining	19	19	19	19	19	19
	BRAZOS	Steam Electric Power	0	0	0	0	0	0
		Livestock	82	82	82	82	82	82
		Municipal	17,100	17,033	16,978	16,934	16,892	16,851
	TRINITY- SAN	Manufacturing	42,345	42,345	42,345	42,345	42,345	42,345
	JACINTO	Irrigation	1,355	1,355	1,355	1,355	1,355	1,355
		Livestock	73	73	73	73	73	73
LIBERTY	NECLICO	Irrigation	2,500	2,500	2,500	2,500	2,500	2,500
	NECHES	Livestock	45	45	45	45	45	70

				Availabl	e Supplies	(acre-ft pe	er year)	
County	Basin	Use	Year 2010	Year 2020	Year 2030	Year 2040	Year 2050	Year 2060
	TRINITY- SAN	Irrigation	685	685	685	685	685	685
	JACINTO	Livestock	0	0	0	0	0	17
		Municipal	32	96	185	299	463	667
		Irrigation	880	880	880	880	880	880
MONTGOMERY	SAN JACINTO	Steam Electric Power	7,841	7,841	7,841	7,841	7,841	7,841
		Livestock	510	510	510	510	510	510
SAN JACINTO	TRINITY	Municipal	850	840	840	840	840	840
SAN SACINTO	TIXIINITT	Irrigation	175	175	175	175	175	175
		Municipal	4,995	5,016	5,016	5,000	4,980	4,965
TRINITY	TRINITY	Irrigation	290	290	290	290	290	290
		Livestock	211	211	211	211	211	211
	SAN	Municipal	9,343	9,587	9,565	9,537	9,491	9,437
WALKER	JACINTO	Livestock	0	1	12	8	9	11
WALKEK	TRINITY	Municipal	3,020	2,778	2,800	2,827	2,873	2,927
	TIXIINITT	Irrigation	10	10	10	10	10	10
	BRAZOS	Livestock	232	232	232	232	242	277
WALLER	SAN	Municipal	0	0	0	111	111	111
	JACINTO	Livestock	90	90	90	90	102	107

Table 3-16
Summary of WUG Shortages by County (Before Water Management Strategies)
All Values are in acre-ft per year

County	2010	2020	2030	2040	2050	2060
AUSTIN	0	-739	-1,240	-1,496	-1,635	-1,865
BRAZORIA	-142,511	-164,503	-193,727	-223,269	-252,978	-287,518
CHAMBERS	-42,895	-47,773	-51,179	-54,488	-57,696	-60,950
FORT BEND	-34,383	-33,349	-73,795	-102,636	-142,813	-188,102
GALVESTON	-16,035	-15,850	-17,154	-18,105	-19,251	-20,643
HARRIS	-85,030	-213,919	-279,601	-333,484	-385,883	-433,758
LEON	-64	-436	-671	-765	-838	-966
LIBERTY	-11,846	-14,761	-18,124	-21,805	-26,134	-31,378
MADISON	-1	-130	-228	-239	-323	-450
MONTGOMERY	-17,244	-47,319	-69,460	-95,749	-134,675	-179,198
POLK	0	-187	-313	-404	-552	-728
SAN JACINTO	-492	-850	-1,131	-1,317	-1,426	-1,511
TRINITY	0	-2	-1	0	0	0
WALKER	0	-816	-1,651	-1,963	-2,374	-2,843
WALLER	0	-1,776	-2,964	-4,479	-6,786	-9,959
Total Shortage	-350,502	-542,409	-711,239	-860,199	-1,033,364	-1,219,869

# **APPENDIX 3A**

Region H Available Supplies

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Table 3A.1 Current Water Supply Sources

	Source	Source						1	9	ource Supply	(acre-ft /yea	-)	
Source Name	Type	RWPG	Source Basin	Source County	Basin ID	County ID	Source ID	2010	2020	2030	2040	2050	2060
BRAZOS RIVER ALLUVIUM AQUIFER	01-GW	Н	BRAZOS	AUSTIN	12	008	00805	8,607	8.607	8,607	8,607	8.607	8,607
GULF COAST AQUIFER	01-GW	Н	BRAZOS	AUSTIN	12	008	00815	9,668	9,668	9,668	9,668	9,668	9,668
GULF COAST AQUIFER	01-GW	Н	BRAZOS-COLORADO	AUSTIN	13	800	00815	11,200	11,200	11,200	11,200	11,200	11,200
GULF COAST AQUIFER	01-GW	Н	COLORADO	AUSTIN	14	800	00815	46	46	46	46	46	46
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	02015	35,904	35,904	35,904	35,904	35,904	35,904
GULF COAST AQUIFER	01-GW	Н	BRAZOS	BRAZORIA	12	020	02015	7,192	7,192	7,192	7,192	7,192	7,192
GULF COAST AQUIFER	01-GW	Η	BRAZOS-COLORADO	BRAZORIA	13	020	02015	7,304	7,304	7,304	7,304	7,304	7,304
UNDIFFERENTIATED AQUIFER	01-GW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	02022	167	167	167	167	167	167
GULF COAST AQUIFER	01-GW	Н	NECHES-TRINITY	CHAMBERS	07	036	03615	3,990	3,990	3,990	3,990	3,990	3,990
GULF COAST AQUIFER	01-GW	Н	TRINITY	CHAMBERS	08	036	03615	10,806	10,806	10,806	10,806	10,806	10,806
GULF COAST AQUIFER	01-GW	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	03615	8,205	8,205	8,205	8,205	8,205	8,205
SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	00-SW	- 1	NECHES	RESERVOIR	06		060A0	820,000	820,000	820,000	820,000	820,000	820,000
BRAZOS RIVER ALLUVIUM AQUIFER	01-GW	Н	BRAZOS	FORT BEND	12	079	07905	23,452	23,452	23,452	23,452	23,452	23,452
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO	FORT BEND	10	079	07915	24,987	23,920	19,955	19,955	19,955	19,955
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	07915	34,885	32,566	25,599	25,599	25,599	25,599
GULF COAST AQUIFER	01-GW	Н	BRAZOS	FORT BEND	12	079	07915	33,829	32,343	26,746	26,861	27,013	27,190
GULF COAST AQUIFER	01-GW	Н	BRAZOS-COLORADO	FORT BEND	13	079	07915	26,649	25,320	20,459	20,459	20,459	20,459
LIVINGSTON-WALLISVILLE LAKE/RESERVOIR	00-SW	Н	TRINITY	RESERVOIR	08		084H0	1,344,000	1,289,000	1,265,000	1,294,000	1,344,000	1,344,000
GULF COAST AQUIFER	01-GW	H	NECHES-TRINITY	GALVESTON	07	084	08415	322	355	396	424	450	450
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO-BRAZOS	GALVESTON	11	084	08415	4,784	5,269	5,878	5,850	5,824	5,824
HOUSTON LAKE/RESERVOIR	00-SW	Н	SAN JACINTO	RESERVOIR	10		10030	187,000	184,200	181,400	178,600	175,800	173,000
LEWIS CREEK LAKE/RESERVOIR	00-SW	H	SAN JACINTO	RESERVOIR	10	404	10050	0	0	0	0	0	0
GULF COAST AQUIFER	01-GW	H	TRINITY-SAN JACINTO	HARRIS	09	101	10115	19,945	16,617	12,894	12,894	12,894	12,894
GULF COAST AQUIFER	01-GW	H	SAN JACINTO	HARRIS	10	101	10115	287,678	244,635	189,725	189,725	189,725	189,725
GULF COAST AQUIFER	01-GW	H	SAN JACINTO-BRAZOS	HARRIS	11	101	10115	33,309	27,744	21,535	21,535	21,535	21,535
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY	CHAMBERS	07	036	3410704290	1,037	1,037	1,037	1,037	1,037	1,037
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY	CHAMBERS	07	036	3410704291	1,078	1,078	1,078	1,078	1,078	1,078
NECHES-TRINITY RIVER RUN-OF-RIVER NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY NECHES-TRINITY	CHAMBERS CHAMBERS	07 07	036 036	3410704295 3410704299	1,199 1,173	1,199	1,199	1,199 1,173	1,199	1,199
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW 00-SW	H	NECHES-TRINITY NECHES-TRINITY	CHAMBERS	07	036	3410704299 3410704306	1,173	1,173 1,818	1,173 1,818	1,173	1,173 1,818	1,173 1,818
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	3410704306	2.072	2,072	2.072	2,072	2.072	2.072
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	3410705016	1,012	1,012	1,012	1,012	1,012	1,012
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	H	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3411104449	1,200	1,200	1,200	1,200	1,200	1,200
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	H	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3411104509	2.028	2,028	2.028	2,028	2.028	2.028
BRAZOS RIVER AUTHORITY MAIN STEM SYSTEM	00-SW	G	BRAZOS	RESERVOIR	12	020	120E0	727,228	718,350	709,472	700.594	691.717	691,717
CARRIZO-WILCOX AQUIFER	01-GW	Н	TRINITY	LEON	08	145	14510	5,213	4,715	4.599	4,556	4.562	4.562
CARRIZO-WILCOX AQUIFER	01-GW	H	BRAZOS	LEON	12	145	14510	1,051	1.013	1,006	993	996	996
QUEEN CITY AQUIFER	01-GW	H	TRINITY	LEON	08	145	14524	4,860	4,860	4.860	4,860	4,860	4,860
QUEEN CITY AQUIFER	01-GW	H	BRAZOS	LEON	12	145	14524	201	201	201	201	201	201
SPARTA AQUIFER	01-GW	H	TRINITY	LEON	08	145	14527	6,895	6,895	6,895	6,895	6,895	6,895
SPARTA AQUIFER	01-GW	Н	BRAZOS	LEON	12	145	14527	497	497	497	497	497	497
GULF COAST AQUIFER	01-GW	Н	NECHES	LIBERTY	06	146	14615	4,414	4,414	4,414	4,414	4,414	4,414
GULF COAST AQUIFER	01-GW	Н	NECHES-TRINITY	LIBERTY	07	146	14615	444	444	444	444	444	444
GULF COAST AQUIFER	01-GW	Н	TRINITY	LIBERTY	08	146	14615	21,857	21,857	21,857	21,857	21,857	21,857
GULF COAST AQUIFER	01-GW	Н	TRINITY-SAN JACINTO	LIBERTY	09	146	14615	9,619	9,619	9,619	9,619	9,619	9,619
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO	LIBERTY	10	146	14615	6,887	6,887	6,887	6,887	6,887	6,887
CARRIZO-WILCOX AQUIFER	01-GW	Н	TRINITY	MADISON	08	157	15710	1,460	1,431	1,401	1,354	1,328	1,328
CARRIZO-WILCOX AQUIFER	01-GW	Н	BRAZOS	MADISON	12	157	15710	227	217	208	197	190	190
UNDIFFERENTIATED AQUIFER	01-GW	Н	TRINITY	MADISON	08	157	15722	334	334	334	334	334	334
QUEEN CITY AQUIFER	01-GW	Н	TRINITY	MADISON	08	157	15724	2,625	2,625	2,625	2,625	2,625	2,625
QUEEN CITY AQUIFER	01-GW	Н	BRAZOS	MADISON	12	157	15724	145	145	145	145	145	145
SPARTA AQUIFER	01-GW	Н	TRINITY	MADISON	08	157	15727	7,576	7,576	7,576	7,576	7,576	7,576
SPARTA AQUIFER	01-GW	Н	BRAZOS	MADISON	12	157	15727	441	441	441	441	441	441
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO	MONTGOMERY	10	170	17015	64,000	64,000	64,000	64,000	64,000	64,000
GULF COAST AQUIFER	01-GW	Η	TRINITY	POLK	08	187	18715	19,117	19,117	19,117	19,117	19,117	19,117
GULF COAST AQUIFER	01-GW	Н	TRINITY	SAN JACINTO	08	204	20415	9,863	9,863	9,863	9,863	9,863	9,863
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO	SAN JACINTO	10	204	20415	12,006	12,006	12,006	12,006	12,006	12,006
CARRIZO-WILCOX AQUIFER	01-GW	Н	TRINITY	TRINITY	08	228	22810	249	249	249	241	241	241
GULF COAST AQUIFER	01-GW	Н	TRINITY	TRINITY	08	228	22815	3,714	3,714	3,714	3,714	3,714	3,714
UNDIFFERENTIATED AQUIFER	01-GW	Н	TRINITY	TRINITY	08	228	22822	416	416	416	416	416	416

Table 3A.1 Current Water Supply Sources

	Source	Source		I				1		ource Supply	(acre-ft /year	1	
Source Name	Type	RWPG	Source Basin	Source County	Basin ID	County ID	Source ID	2010	2020	2030	2040	2050	2060
SPARTA AQUIFER	01-GW	Н	TRINITY	TRINITY	08	228	22827	245	245	245	245	245	245
CARRIZO-WILCOX AQUIFER	01-GW	Н	TRINITY	WALKER	08	236	23610	2,293	2,293	2,293	2,293	2,293	2,293
GULF COAST AQUIFER	01-GW	Н	TRINITY	WALKER	08	236	23615	5,845	5,845	5,845	5,845	5,845	5,845
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO	WALKER	10	236	23615	12,434	12,434	12,434	12,434	12,434	12,434
UNDIFFERENTIATED AQUIFER	01-GW	Н	TRINITY	WALKER	08	236	23622	200	200	200	200	200	200
QUEEN CITY AQUIFER	01-GW	Н	TRINITY	WALKER	08	236	23624	75	75	75	75	75	75
SPARTA AQUIFER	01-GW	Н	TRINITY	WALKER	08	236	23627	1,760	1,760	1,760	1,760	1,760	1,760
YEGUA-JACKSON AQUIFER	01-GW	Н	TRINITY	WALKER	08	236	23631	5,440	5,440	5,440	5,440	5,440	5,440
YEGUA-JACKSON AQUIFER	01-GW	Н	SAN JACINTO	WALKER	10	236	23631	960	960	960	960	960	960
BRAZOS RIVER ALLUVIUM AQUIFER	01-GW	Н	BRAZOS	WALLER	12	237	23705	9,480	9,480	9,480	9,480	9,480	9,480
GULF COAST AQUIFER	01-GW	Н	SAN JACINTO	WALLER	10	237	23715	13,086	13,086	13,086	13,086	13,086	13,086
GULF COAST AQUIFER	01-GW	Н	BRAZOS	WALLER	12	237	23715	15,416	15,416	15,416	15,416	15,416	15,416
TRINITY RIVER RUN-OF-RIVER	00-SW	Н	TRINITY	LIBERTY	08	146	3410805271A	2,500	2,500	2,500	2,500	2,500	2,500
TRINITY RIVER RUN-OF-RIVER	00-SW	Н	TRINITY	LIBERTY	08	146	3410805271B	56,000	56,000	56,000	56,000	56,000	56,000
BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	BRAZOS	FORT BEND	12	079	3461205168	97,225	97,225	97,225	97,225	97,225	97,225
BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	BRAZOS	FORT BEND	12	079	3461205171	64,159	64,159	64,159	64,159	64,159	64,159
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	3460704287	2,528	2,528	2,528	2,528	2,528	2,528
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	3460704293	1,626	1,626	1,626	1,626	1,626	1,626
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	3460704304B	1,997	1,997	1,997	1,997	1,997	1,997
TRINITY RIVER RUN-OF-RIVER	00-SW	Н	TRINITY	POLK	08	187	3460804261	26,510	26,510	26,510	26,510	26,510	26,510
TRINITY RIVER RUN-OF-RIVER	00-SW	Н	TRINITY	LIBERTY	08	146	3460804277	33,000	33,000	33,000	33,000	33,000	33,000
TRINITY RIVER RUN-OF-RIVER	00-SW	Н	TRINITY	CHAMBERS	08	036	3460804279B	76,520	76,520	76,520	76,520	76,520	76,520
TRINITY RIVER RUN-OF-RIVER	00-SW	H	TRINITY	CHAMBERS	08	036	3460804279	30,000	30,000	30,000	30,000	30,000	30,000
TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	00-SW	H	TRINITY-SAN JACINTO	CHAMBERS	09	036	3460903926	30,000	30,000	30,000	30,000	30,000	30,000
SAN JACINTO RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO	HARRIS	10	101	3461004964	55,000	55,000	55,000	55,000	55,000	55,000
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	HARRIS	11	101	3461105350	2,120	2,120	2,120	2,120	2,120	2,120
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3461105357A	15,930	15,930	15,930	15,930	15,930	15,930
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	11 11	020 020	3461105357B	0	0	0	0	0	0
BRAZOS RIVER RUN-OF-RIVER	00-SW 00-SW	H	BRAZOS	FORT BEND	11	020	3461105357C 3461205320	29,920	29,920	29.920	0 29,920	29,920	29,920
BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	BRAZOS	FORT BEND	12	079	3461205320 3461205322B	68.402	68,402	68,402	68,402	68,402	68,402
BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	BRAZOS	FORT BEND	12	079	34612053228	34,300	34,300	34,300	34,300	34,300	34,300
BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	BRAZOS	BRAZORIA	12	020	3461205328B	137,475	137,475	137,475	137,475	137,475	137,475
BRAZOS RIVER RUN-OF-RIVER	00-SW	H	BRAZOS	BRAZORIA	12	020	34612053266	16,492	16,492	16,492	16,492	16,492	16,492
BRAZOS RIVER RUN-OF-RIVER	00-SW	H	BRAZOS	BRAZORIA	12	020	3461205492	1,800	1.800	1.800	1,800	1.800	1,800
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY	CHAMBERS	07	036	3460704294	573	573	573	573	573	573
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY	CHAMBERS	07	036	3460704300	805	805	805	805	805	805
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY	CHAMBERS	07	036	3460704304	2,663	2,663	2,663	2,663	2,663	2,663
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY	CHAMBERS	07	036	3460704308	771	771	771	771	771	771
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	H	NECHES-TRINITY	CHAMBERS	07	036	3460704309	711	711	711	711	711	711
NECHES-TRINITY RIVER RUN-OF-RIVER	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	3460704312	691	691	691	691	691	691
TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	00-SW	Н	TRINITY-SAN JACINTO	LIBERTY	09	146	3460903909	769	769	769	769	769	769
TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	00-SW	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	3460903918	976	976	976	976	976	976
TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	00-SW	Н	TRINITY-SAN JACINTO	HARRIS	09	101	3460903922	661	661	661	661	661	661
TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	00-SW	Н	TRINITY-SAN JACINTO	HARRIS	09	101	3460903923	694	694	694	694	694	694
TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	00-SW	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	3460903924	1,213	1,213	1,213	1,213	1,213	1,213
CONROE LAKE/RESERVOIR	00-SW	Н	SAN JACINTO	MONTGOMERY	10	170	10060	79,800	78,700	77,600	76,500	75,400	74,300
SJRA INDIRECT REUSE	00-SW	Н	SAN JACINTO	MONTGOMERY	10	170	3510170	14,944	14,944	14,944	14,944	14,944	14,944
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	3461105169	0	0	0	0	0	0
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	3461105170	5,634	5,634	5,634	5,634	5,634	5,634
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3461105343	720	720	720	720	720	720
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3461105344	1,320	1,320	1,320	1,320	1,320	1,320
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3461105346	2,214	2,214	2,214	2,214	2,214	2,214
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3461105352	3,271	3,271	3,271	3,271	3,271	3,271
SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	3461105364	734	734	734	734	734	734
SAN BERNARD RIVER RUN-OF-RIVER	00-SW	Н	BRAZOS-COLORADO	BRAZORIA	13	020	3461303421	8,519	8,519	8,519	8,519	8,519	8,519
SAN BERNARD RIVER RUN-OF-RIVER	00-SW	Н	BRAZOS-COLORADO	BRAZORIA	13	020	3461303423	3,500	3,500	3,500	3,500	3,500	3,500
LIVESTOCK LOCAL SUPPLY	00-SW	Н	NECHES	LIBERTY	06	146	99706146	45	45	45	45	45	70
LIVESTOCK LOCAL SUPPLY	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	99707036	317	317	317	317	317	318
LIVESTOCK LOCAL SUPPLY	00-SW	Н	TRINITY	CHAMBERS	08	036	99708036	50	50	50	50	51	51

Table 3A.1 Current Water Supply Sources

Source Name	Source	Source	Causaa Daain	Causaa Causahu	Desir ID	County ID	Causas ID		S	ource Supply	(acre-ft /year	r)	
Source Name	Type	RWPG	Source Basin	Source County	Basin ID	County ID	Source ID	2010	2020	2030	2040	2050	2060
LIVESTOCK LOCAL SUPPLY	00-SW	Н	TRINITY	TRINITY	08	228	99708228	211	211	211	211	211	211
LIVESTOCK LOCAL SUPPLY	00-SW	Н	TRINITY	WALKER	08	236	99708236	106	127	138	143	148	154
LIVESTOCK LOCAL SUPPLY	00-SW	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	99709036	48	49	51	52	53	54
LIVESTOCK LOCAL SUPPLY	00-SW	Н	TRINITY-SAN JACINTO	HARRIS	09	101	99709101	73	73	73	73	73	73
LIVESTOCK LOCAL SUPPLY	00-SW	Н	TRINITY-SAN JACINTO	LIBERTY	09	146	99709146	0	0	0	0	0	17
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO	FORT BEND	10	079	99710079	13	30		47	47	47
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO	HARRIS	10	101	99710101	324	666	803	803	803	803
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO	MONTGOMERY	10	170	99710170	510	510	510	510	510	510
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO	WALKER	10	236	99710236	0	1	12	8	9	11
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO	WALLER	10	237	99710237	90	90	90	90	102	107
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	99711020	545	505	547	591	643	690
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	99711079	64	98	139	139	139	139
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO-BRAZOS	GALVESTON	11	084	99711084	306	296	280	280	280	281
LIVESTOCK LOCAL SUPPLY	00-SW	Н	SAN JACINTO-BRAZOS	HARRIS	11	101	99711101	82	82	82	82	82	82
LIVESTOCK LOCAL SUPPLY	00-SW	Н	BRAZOS	BRAZORIA	12	020	99712020	220	228	232	235	236	238
LIVESTOCK LOCAL SUPPLY	00-SW	Н	BRAZOS	FORT BEND	12	079	99712079	0	207	415	415	415	415
LIVESTOCK LOCAL SUPPLY	00-SW	Н	BRAZOS	WALLER	12	237	99712237	232	232	232	232	242	277
LIVESTOCK LOCAL SUPPLY	00-SW	Н	BRAZOS-COLORADO	BRAZORIA	13	020	99713020	200	202	206	210	217	225
LIVESTOCK LOCAL SUPPLY	00-SW	Н	COLORADO	AUSTIN	14	800	99714008	52	56	58	59	60	61
OTHER LOCAL SUPPLY	00-SW	Н	NECHES-TRINITY	CHAMBERS	07	036	99907036	505	505	505	505	505	505
OTHER LOCAL SUPPLY	00-SW	Н	NECHES-TRINITY	GALVESTON	07	084	99907084	106	106	106	106	106	106
OTHER LOCAL SUPPLY	00-SW	Н	TRINITY	CHAMBERS	08	036	99908036	18,989	18,989	18,989	18,989	18,989	18,989
OTHER LOCAL SUPPLY	00-SW	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	99909036	4,722	4,722	4,722	4,722	4,722	4,722
OTHER LOCAL SUPPLY	00-SW	Н	SAN JACINTO	FORT BEND	10	079	99910079	8	8	V	8	8	8
OTHER LOCAL SUPPLY	00-SW	Н	SAN JACINTO	HARRIS	10	101	99910101	992	992	992	992	992	992
OTHER LOCAL SUPPLY	00-SW	Н	SAN JACINTO	MONTGOMERY	10	170	99910170	0	0	0	0	0	0
OTHER LOCAL SUPPLY	00-SW	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	99911020	305	305	305	305	305	305
OTHER LOCAL SUPPLY	00-SW	Н	SAN JACINTO-BRAZOS	GALVESTON	11	084	99911084	101	101		101	101	101
OTHER LOCAL SUPPLY	00-SW	Н	SAN JACINTO-BRAZOS	HARRIS	11	101	99911101	19	19		19	19	19
OTHER LOCAL SUPPLY	00-SW	Н	BRAZOS	BRAZORIA	12	020	99912020	190	190	190	190	190	190
OTHER LOCAL SUPPLY	00-SW	Н	BRAZOS	FORT BEND	12	079	99912079	0	0	v	0	0	0
OTHER LOCAL SUPPLY	00-SW	Н	BRAZOS-COLORADO	BRAZORIA	13	020	99913020	1,124	1,124	1,124	1,124	1,124	1,124
OTHER LOCAL SUPPLY	00-SW	Н	BRAZOS-COLORADO	FORT BEND	13	079	99913079	0	0	0	0	0	0

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**APPENDIX 3B** 

WRAP Input Files

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#### Appendix 3B

#### **Water Availability Model Input Files**

These input files are used with the Water Rights Analysis Package (WRAP) available from the TCEQ or the Texas Water Resources Institute at Texas A&M University.

Basin	File Name(s)	Notes
Neches-Trinity	NT_wam3.dat .dis .eva .inf	1, 2
Trinity	TR_wam3_2000.dat	3
	TR_wam3_2060.dat	
	TR_wam3_2010_LIVFY.dat	
	TR_wam3_2020_LIVFY.dat	
	TR_wam3_2030_LIVFY.dat	
	TR_wam3_2040_LIVFY.dat	
	TR_wam3_2050_LIVFY.dat	
	TR_wam3_2060_LIVFY.dat	
	TR_wam3_2000_anaFY.dat	
	TR_wam3_2060_anaFY.dat	
	Trin3.flo .dis.eva	
Trinity-San Jacinto	TRSJ_wam3.dat .dis .eva .inf	1, 2
San Jacinto	SJ_wam3_2000.dat .dis .eva .inf	
	SJ_wam3_2060.dat .dis .eva .inf	
San Jacinto-Brazos	SJBR_wam3.dat .dis .eva .inf	
Brazos	2010_bwam3.dat .dis .eva .inf	
	2060_bwam3.dat .dis .eva .inf	
Brazos-Colorado	CO_wam3.dat .dis .eva .inf	2, 4

- 1. The original TCEQ WAM file was used without modification.
- 2. A 2060 condition model was not required for this basin. There are no on-channel reservoirs in the coastal basin to be affected by sedimentation.
- 3. Firm yield models for Lake Livingston and Lake Anahuac, using updated areacapacity curves. The Lake Livingston model also includes partial return flows from the upper basin (varied by decade).
- 4. The Brazos-Colorado basin is included in the Colorado basin WAM

Model files are provided electronically (attached CD). These files may be viewed using a text editor such as Notepad or Wordpad. All four files are required to run the WRAP simulation. The file extensions indicate the type of data included in the file:

Root.dat Basic file containing all input data, except the hydrology related data in the following files.

Root.inf Inflow records with naturalized streamflows

Root.eva Evaporation records with net evaporation-precipitation rates

Root.dis Flow distribution and watershed parameter records for transferring flows from the inflow records to other control points

Additional model runs were conducted for the San Jacinto Basin to determine the firm yield of Lakes Conroe and Houston. In these models, the diversion amount for a given reservoir is adjusted downward until a value is determined that can be reliably diverted in every year of the simulation. This is an iterative process that balances available run-of-river supply and stored water with monthly diversion targets. These models are included in subfolders in this appendix.

# **APPENDIX 3C**

Region H Drought Contingency Plans

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## **Major Water Provider Drought Triggers**

MWP	Drought Type		Trigger Condition		Time requirement	Actions		
BRA		Local Reservoirs	System Reservoirs			Local Reservoirs	System Reservoirs	
		Otanana ia Otana 4	Storage of the Authority				Dadefina avetam	
		Storage is < Stage 1 Trigger level and could	system is < Stage 1 Trigger level and could			Notify augtomore	Redefine system reservoirs as local.	
		be reduced to Stage 2	be reduced to Stage 2			Notify customers, activate conservation	modify maint. sched,	
		Trigger or less during	Trigger or less during			plans, activate storage in	develop drought	
	Watch	the next 12 months	the next 12 months			Federal reservoirs	contingency plan	
			Storage of the Authority					
		Storage is < Stage 2	system is < Stage 2				Redefine system	
		Trigger level and could	Trigger level and could			Notify customers,	reservoirs as local,	
		be reduced to Stage 3	be reduced to Stage 3			activate conservation	modify maint. sched,	
		Trigger or less during	Trigger or less during		Condition lasts 30	plans, activate storage in	develop drought	
	Warning	the next 12 months	the next 12 months		consecutive days	Federal reservoirs	contingency plan	
			Storage of the Authority					
		Storage is < Stage 3	system is < Stage 3			Additional actions as	Additional actions as	
	Emergency	Trigger level	Trigger level		consecutive days	deemed apporopriate	deemed apporopriate	
		Brazos River -	Brazos River -					
GCWA		Hempstead Gauge	Richmond Gauge					
					0 1111	N		
	NA:L-I	44.00	40.40		Condition ceases for			
	Mild	14.00 ft or 2200 cfs	12.19 ft or 1700 cfs		30 consec. days	situation daily		
					Condition ceases for	Alert customers		
	Moderate	13.71 ft or 2000 cfs	11.93 ft or 1500 cfs			increase maintenance		
		2 1 1 11 21 2000 010	22 11 21 1000 0.0					
					Condition ceases for	Request stored water		
	Watch	13.41 ft or 1800 cfs	11.65 ft or 1300 cfs		30 consec. days	releases, if needed		
					0 1111			
	)	40.00 % 4500 - (-	44.00 # 4000 - 6			Request stored water		
	Warning	12.93 ft or 1500 cfs	11.23 ft or 1000 cfs			releases Notify customers,		
		GCWA delivery or storag	e system outage or			minimize service		
		extreme fire flows (indust				interruptions while		
	Emergency	interrupts service to custo				making repairs		
		2000						
	İ	Lakes Conroe,	Municipal water	Municipal water				
Houston		Houston & Livingston	demand / production	distribution system				

## **Major Water Provider Drought Triggers**

MWP	Drought Type		Trigger Condition		Time requirement	Actions		
	, ,,,,,		Average production =		•			
		Combined storage = 24	80% of combined			Inform the public and		
		months surface water	surface and ground	Average system	Condition lasts 10	request voluntary		
	Mild	supply	water capacity	pressure is 45 psi	consecutive days	reductions		
			Average production =		•			
		Combined storage = 18	85% of combined			Ban non-essential		
		months surface water	surface and ground	Average system	Condition lasts 10	outdoor use and listed		
	Serious	supply	water capacity	pressure is 40 psi	consecutive days	water waste		
			Average production =		·			
		Combined storage = 12	90% of combined					
		months surface water	surface and ground	Average System	Condition lasts 10	Ban all outdoor use and		
	Critical	supply	water capacity	pressure is 35 psi	consecutive days	listed water waste		
SJRA		Lake Conroe	Woodlands GW System	1		Lake Conroe	GW System	
		Elev < 194 ft (70%	Í		Condition ceases for		Voluntary conservation,	
	Mild	capacity)	Plant operator's call base	ed on usage and weather	7 days	conservation	increased leak repair	
			Combined pumpage > 85		j		·	
			or 90% of capacity for 1 of	day, or 95% of 1 plant for		Weekly customer	Odd/even watering	
		Elev < 190 ft (55%	3 days, or storage does r		Condition ceases for	meetings, mandatory	cycle, cease fountains	
	Moderate	capacity)	capacity overnight			conservation	and non-fire hydrant use	
			Combined pumpage > 90	% of capacity for 3 days,		Additional mandatory or	2-day watering cycle,	
			or 95% of capacity for 1 of	day, or 95% of 1 plant for		pro-rata use reductions,	ban other outdoor use,	
		Elev < 185 ft (40%	3 days, or storage does r	not recover to 50%	Condition ceases for	look for alternate	reduce system pressure	
	Severe	capacity)	capacity overnight		7 days	sources	during peak periods	
							Ban all uses but for	
							health and safety, isolate	
		Delivery system failure			Until condition	specific response based	elevated storage for fire	
	Critical	or supply contamination	Delivery system failure or	r supply contamination	corrected	on situation	reserve	
TRA		Huntsville RWSS	Livingston RWSS	Trinity County RWSS				
				Wellfield or plant				
		Demand > 6 MGD for 30	Demand > 2 MGD for 15		Condition ceases to	Voluntary reductions,		
	Mild	days	days	use 5% > allocation		monthly updates		
				Wellfield or plant	,	Ban non-esential use,		
		Demand > 7 MGD for 20	Demand > 2.25 MGD for		Condition ceases to	prep pro-rata reduction		
	Moderate	days	10 days	use 15% > allocation		plan		
		•	, , , , , , , , , , , , , , , , , , ,	Wellfield or plant	,	İ		
		Demand > 7.5 MGD for	Demand > 2.5 MGD for	capacity <700 gpm, or	Condition ceases to	Initiate pro-rata		
	Severe	10 days	5 days	use 25% > allocation	exist for 5 days	reduction plan		

## **Major Water Provider Drought Triggers**

MWP	Drought Type		Trigger Condition		Time requirement	Actio	ons
		Major system failure	Major system failure	Major system failure			
		(>50% of delivery	(>50% of delivery	(>50% of delivery		Inform customers, make	
		capacity lost) or supply	capacity lost) or supply	capacity lost) or supply	Until condition	specific response based	
	Emergency	contamination	contamination	contamination	corrected	on situation	
		Lake Livingston /					
TRA		Wallisville System					
						Modify gate operations,	
		Lake Livingston elev <			Condition ceases to	voluntary reductions,	
	Mild	126.50 ft at USGS gage			exist for 5 days	monthly updates	
						No new contracts,	
						initiate mandatory	
		Lake Livingston elev <			Condition ceases to	reductions and pro-rata	
	Moderate	124.00 ft at USGS gage			exist for 5 days	curtailments	
						Terminate supply to low-	
						priority customers,	
		Lake Livingston elev <			Condition ceases to	additional mandatory	
	Severe	121.40 ft at USGS gage			exist for 5 days	reductions	
		Major system failure					
		(>50% of delivery				Inform customers, make	
		capacity lost) or supply			Until condition	specific response based	
	Emergency	contamination			corrected	on situation	

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Water Source	Drought Type	Trigger Condition	Time Re	quirement	Established By	Actions
			Initiation	Termination	_	
Trinity River						
Lake Livingston	Mild	Combined storage (Lakes Livingston, Conroe & Houston) is less than 24 months surface water supply	Condition exists 10 consecutive days	Condition ceases for 30 consecutive days	Houston	Inform the public and request voluntary reductions
Lake Livingston	Willia	months surface water supply	consecutive days	consecutive days	riousion	reductions
	Serious	Combined storage (Lakes Livingston, Conroe & Houston) is less than 18 months surface water supply	Condition exists 10 consecutive days	Condition ceases for 30 consecutive days	Houston	Ban non-essential outdoor use and listed water waste
	Severe	Combined storage (Lakes Livingston, Conroe & Houston) is less than 12 months surface water supply	Condition exists 10 consecutive days	Condition ceases for 30 consecutive days	Houston	Ban all outdoor use and listed water waste
						Modify gots energtions
Lake Livingston / Wallisville System	Mild	Lake Livingston elev < 126.50 ft at USGS gage	Condition exists for one day	Condition ceases to exist for 5 days	TRA	Modify gate operations, voluntary reductions, monthly updates
	Moderate	Lake Livingston elev < 124.00 ft at USGS gage	Condition exists for one day	Condition ceases to exist for 5 days	TRA	No new contracts, initiat mandatory reductions and pro-rata curtailment
	Severe	Lake Livingston elev < 121.40 ft at USGS gage	Condition exists for one day	Condition ceases to exist for 5 days	TRA	Terminate supply to low- priority customers, additional mandatory reductions

Water Source	Drought Type	Trigger Condition	Time Re	quirement	Established By	Actions	
			Initiation	Termination			
San Jacinto River							
Lake Conroe	Mild	Elev < 194 ft (70% of storage capacity)	Condition exists for one day	Condition ceases for 7 days	SJRA	Request voluntary conservation	
	Moderate	Elev < 190 ft (55% of storage capacity)	Condition exists for one day	Condition ceases for 7 days	SJRA	Weekly customer meetings, mandatory conservation	
	Severe	Elev < 185 ft (40% of storage capacity)	Condition exists for one day	Condition ceases for 7 days	SJRA	Additional mandatory or pro-rata use reductions, look for alternate sources	
Lake Houston	Mild	Combined storage (Lakes Livingston, Conroe & Houston) is less than 24 months surface water supply	Condition exists 10 consecutive days	Condition ceases for 30 consecutive days	Houston	Inform the public and request voluntary reductions	
	Serious	Combined storage (Lakes Livingston, Conroe & Houston) is less than 18 months surface water supply	Condition exists 10 consecutive days	Condition ceases for 30 consecutive days	Houston	Ban non-essential outdoor use and listed water waste	
	Severe	Combined storage (Lakes Livingston, Conroe & Houston) is less than 12 months surface water supply	Condition exists 10 consecutive days	Condition ceases for 30 consecutive days	Houston	Ban all outdoor use and listed water waste	

Water Source	Drought Type	rought Type Trigger Condition		quirement	Established By	Actions
			Initiation	Termination		
Brazos River						
	l		Condition exists for one	Condition ceases for 30		Notify BRA, monitor
Hempstead Gauge	Mild	14.00 ft or 2200 cfs	day	consec. days	GCWA	situation daily
			Condition exists for one	Condition ceases for 30		Alert customers,
	Moderate	13.71 ft or 2000 cfs	day	consec. days	GCWA	increase maintenance
	\\/_+-b	40 44 % 4000	Condition exists for one	Condition ceases for 30	0014/4	Request stored water
	Watch	13.41 ft or 1800 cfs	day	consec. days	GCWA	releases, if needed
	Marning	12.02 th or 1500 of	Condition exists for one	Condition ceases for 30	CCVAVA	Request stored water
	Warning	12.93 ft or 1500 cfs	day	consec. days	GCWA	releases
			Condition exists for one	Condition ceases for 30		Notify BRA, monitor
Richmond Gauge	Mild	12.19 ft or 1700 cfs	day	consec. days	GCWA	situation daily
Nicilliona Gauge	IVIIIG	12.19 It 01 1700 CIS	Condition exists for one	Condition ceases for 30	GCWA	Alert customers,
	Moderate	11.93 ft or 1500 cfs	day	consec. days	GCWA	increase maintenance
	Moderate	11.93 11 01 1300 013	Condition exists for one	Condition ceases for 30	GCWA	Request stored water
	Watch	11.65 ft or 1300 cfs	day	consec. days	GCWA	releases, if needed
	VVatori	11.00 11 01 1000 013	Condition exists for one	Condition ceases for 30	GOWA	Request stored water
	Warning	11.23 ft or 1000 cfs	day	consec. days	GCWA	releases
	· · · · · · · · · · · · · · · · · · ·	11.20 11 01 1000 010	laay	concee. days	001111	10.00000
						Notify customers, urge
						activation of drought
		Storage is < Stage 1 Trigger level and				contingency plans,
		could be reduced to Stage 2 Trigger	Condition exists for one	Condition ceases for 30		activate storage in
<b>BRA Local Reservoirs</b>	Watch	or less during the next 12 months	day	consecutive days	BRA	Federal reservoirs
						Notify customers, require
						activation of drought
		Storage is < Stage 2 Trigger level and				contingency plans,
		could be reduced to Stage 3 Trigger	Condition exists for one	Condition ceases for 30		activate storage in
	Warning	or less during the next 12 months	day	consecutive days	BRA	Federal reservoirs
			Condition exists for one	Condition ceases for 30		Additional actions as
	Emergency	Storage is < Stage 3 Trigger level	day	consecutive days	BRA	deemed apporopriate
						Notify customers, urge
		Storage of the Authority system is <				activation of drought
		Stage 1 Trigger level and could be				contingency plans,
		reduced to Stage 2 Trigger or less	Condition exists for one	Condition ceases for 30		activate storage in
BRA System Reservoirs	Watch	during the next 12 months	day	consecutive days	BRA	Federal reservoirs
						Notify customers, require
		Storage of the Authority system is <				activation of drought
		Stage 2 Trigger level and could be				contingency plans,
		reduced to Stage 3 Trigger or less	Condition exists for one	Condition ceases for 30		activate storage in
	Warning	during the next 12 months	day	consecutive days	BRA	Federal reservoirs
		Storage of the Authority system is <	Condition exists for one	Condition ceases for 30		Additional actions as
	Emergency	Stage 3 Trigger level	day	consecutive days	BRA	deemed apporopriate

Water Source	Drought Type	Trigger Condition	Time Re	equirement	Established By	Actions
			Initiation	Termination		
Gulf Coast Aquifer	Local triggers based on	oumping/delivery system limits, not aquit	er levels.			
Carrizo-Wilcox Aquifer	Local triggers based on	oumping/delivery system limits, not aquit	er levels.			
parta Aquifer	Local triggers based on p	oumping/delivery system limits, not aquit	er levels.			
Queen City Aquifer	Local triggers based on p	oumping/delivery system limits, not aquit	er levels.			
Brazos River Alluvium	Local triggers based on i	oumping/delivery system limits, not aquit	er levels.			

# **APPENDIX 3D**

Potential Reservoir Sites

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#### Appendix 3D Previously Studied Potential Reservoir Sites

LARGE RESERVOIR SI	TES (OVER	50,0	000 ACRE-FEET	)				
Reservoir / River Basin	Yield, Acre-Feet	Reference	Recommended Project in the 2002 Texas State Water Plan	Recommended Unique Site in the 2002 Texas State Water Plan	Original Cost at Dam, Million \$	Reference	Comments	Reference
Allens Creek Brazos Basin	99,650 70,000		Yes	No (see comments)	\$169.0 in 1997 \$143.3 in 1995	6	This project has been designated as a unique reservoir site by the Texas Legislature. A water right permit has been granted to the BRA and City of Houston. Detailed design and environmental studies are on-going.	
Bedias Trinity Basin	90,732 70,705	4	Yes	Yes	\$50.7 in 1975 \$50.8 in 1975		Some endangered species have been identified. There are 24,675 acres lost of which 7,328 acres of bottomland hardwoods and 15,327 units of wildlife habitats are lost. Included in Region C Water Plan for TRA.	
Cleveland San Jacinto Basin	84,370 65,900	1	No	No	\$76.5 in 1975	7	Site is listed in the Trinity River Basin Master Plan.  Some endangered species have been identified. There are 11,485 acres lost of which 2,330 acres of bottomland hardwoods and 4,845 units of wildlife habitats are lost. Alternative site in the 1997 Texas Water Plan.	1
(Lower) Lake Creek San Jacinto Basin	53,767 67,213	4	No	No	\$65.5 in 1975 \$275.0 in 1990	7	Some endangered species have been identified. There are 10,904 acres lost of which 2,200 acres of bottomland hardwoods and 6,195 units of wildlife habitats are lost. Site is listed in COH Master Plan.	3,
Little River	73,012	2			\$273.0 III 1990	12		
Brazos Basin	129,000	8	Yes	Yes			Also included in Brazos G Regional Water Plan.	9
Millican/Panther Creek Brazos Basin	252,032	4	No	No	\$318.0 in 1971	7	Some endangered species have been identified. There are 63,410 acres lost of which 26,730 acres of bottomland hardwoods and 29,323 units of wildlife habitats are lost. Reservoir site also included in Brazos G Regional Water Plan.	3, 9
	248,600 252,225 235,200	2 12 8						
Millican/Bundic Crossing Brazos Basin	73,800	8	No	No			Formerly called Millican-Peach Creek. The site contains a large lignite deposit. Also included in Brazos G Regional Water Plan.	
Tehuacana Trinity Basin	282,500	12	No	Yes	\$156.0 in 1995	5	A few endangered species have been identified. There are 14,804 acres lost of which 6,993 acres of bottomland hardwoods and 9,093 units of wildlife habitats are lost. This site contains a lignite deposit. Site is listed in the Trinity River Basin Master Plan and Region C Water Plan.	3, 9, 11
	61,068 68,300	5						

#### Appendix 3D Previously Studied Potential Reservoir Sites

Tennessee Colony Trinity Basin	405,492 405,802	4 12	No	No	\$509.0 in 1970	6	This project is large enough to be a regional water source possibility. Some endangered species have been identified. There are 85,053 acres lost of which 34,767 acres of bottomland hardwoods and 43,031 units of wildlife habitats are lost. A large lignite deposit is also on site. Site is listed in the Trinity River Basin Master Plan. The water rights are seior to Livingston rights and would impact current available supply.	3,
	997,112	5						
SMALLER RESERVO	IR SITES (UNI	DER	50,000 ACRE-F	EET)				
Reservoir/ River Basin	Yield, Acre-Feet	Reference	Recommended Project in the 2002 Texas State Water Plan	Recommended Unique Site in the 2002 Texas State Water Plan	Original Cost at Dam, Million \$	Reference	Comments	Reference
Big Elkhart Creek Trinity Basin	12,320	11	No	No	N/A		Site is listed in the Trinity River Basin Master Plan.	11
Caney Trinity Basin	15,694	12	No	No	N/A		Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997 Texas Water Plan.	11
	25,880	4						
Gail Creek Trinity Basin	19,040	11	No	No	N/A		Site is listed in the Trinity River Basin Master Plan.	11
Harmons Trinity Basin	10,089	12	No	No	N/A		Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997 Texas Water Plan.	11
Humble San Jacinto Basin	11,809 N/A	1	No	No	N/A		Alternative site in the 1997 Texas Water Plan. There are 35,800 acres of affected area.	7
Hurricane Trinity Basin	17,936	12	No	No	N/A		Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997 Texas Water Plan.	11
Liberty	16,546 N/A	7	No	No	N/A		Capers Ridge site from 1956 TRA Master Plan. Site now permitted for the Luce Bayou Pump station	11
Long King Trinity Basin	20,178 34,869	12	No	No	N/A		Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997 Texas Water Plan.	11
Lower Keechie Trinity Basin	25,783 28,513	12	No	No	N/A		Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997 Texas Water Plan.	11
Mustang Trinity Basin	15,694 24,890	12	No	No	N/A		Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997 Texas Water Plan.	11
Navasota Brazos Basin	N/A	1			\$196 in 1968	7	Original site had 58,180 acres of affected area. This location is now in the tailwater of the proposed Millican-Bundic Crossing Reservoir.	7

#### Appendix 3D **Previously Studied Potential Reservoir Sites**

Nelsons						Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997	
Trinity Basin	17,936	12	No	No	N/A	Texas Water Plan.	11
	8,849	1					1
Oak Knoll						Original site had 4,302 acres of affected area. This location is now in the tail-	1
Brazos Basin	N/A		No	No	N/A	water of the proposed Millican-Bundic Crossing Reservoir.	7
Spring Creek Lake							
San Jacinto Basin	7,500		No	No	N/A		7
	26,900	4					1
Upper Keechi						Site is listed in the Trinity River Basin Master Plan. Alternative site in the 1997	1
Trinity Basin	15,694	12	No	No	N/A	Texas Water Plan.	11
	16,317	1					
Upper Lake Creek			•				1
San Jacinto Basin			No	No	N/A	Alternative site in the 1997 Texas Water Plan.	ı

- REFERENCES: 1 1986. Trinity River Yield Study Phase III: Yield Analysis. By Espey, Huston & Associates, Inc.
  - 2 1988. San Jacinto River Authority Water Resources Development Plan-Water Supply Plan, Pate Engineers, Inc. 1990 (Texas Parks & Wildlife Dept.), and (U.S. Fish & Wildlife Service). Texas Water and Wildlife. A Natural Resource Survey for
  - 3 Peoposed Reservoir Sites and Selected Stream Segments in Texas
  - 4 1991. Houston Water Master Plan, Appendix L, Table 2-8, revised by Metcalf & Eddy.
  - 5 1996. Memorandum Report Updated Water Project Opinions of Cost. Freese and Nichols, Inc.
  - 6 1997. Trans-Texas Water Program Southeast Area, Operation Studies and Opinions of Cost for Allens Creek Reservoir Volume I Text.
  - 7 1997. Water for Texas, A Concensus-Based Update to the State Water Plan, TWDB
  - 8 2001. Brazos G Regional Water Plan
  - 9 2001. Region C Water Plan
  - 10 2001. Region H Water Plan
  - 11 2003. Trinity River Basin Master Plan, Update
  - 12 Additional information collected in 1999 from River Authorities

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# **APPENDIX 3E**

Water Quality Basin Maps

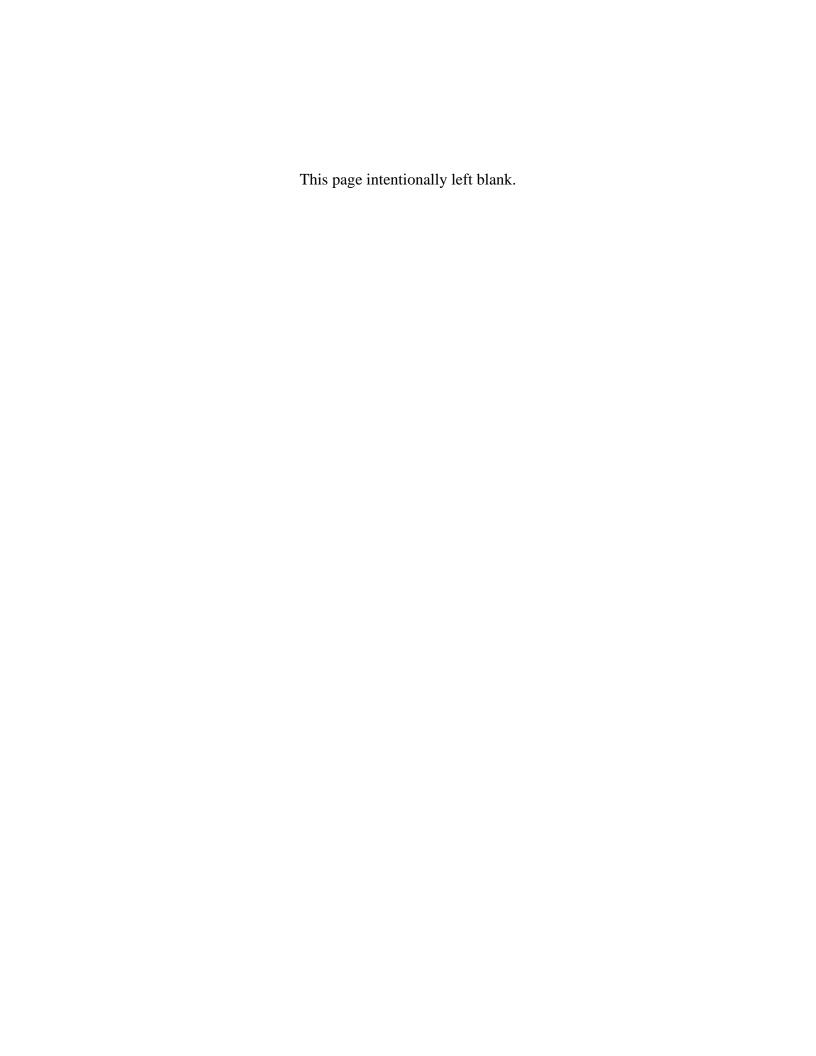
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# Appendix 3E

# **Extracts from TCEQ Report SFR 50/00:**

Texas Water Quality Inventory, 2000 Volume 2: Basins 1-11 And Volume 3: Basins 12-25

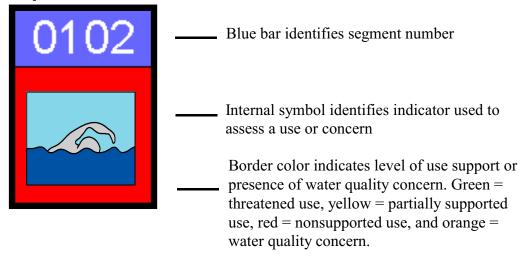
15<sup>th</sup> Edition, dated April 2002



# Explanation of Water Quality Indicator Icons Used on the Basin Maps

Basin maps are provided as a quick reference to the general location of classified segments within the basin. Icons are used to indicate the presence of threatened, partially supported, and nonsupported designated uses and water quality concerns.

#### **Conceptual Icon**

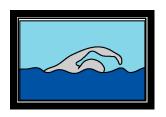


#### **Icons for Designated Uses**



#### **Aquatic Life**

A specific subcategory of aquatic life use (exceptional, high, intermediate, limited, or minimal) is assigned to each water body for protection and propagation of desirable fish, benthic macroinvertebrates, and other aquatic biota. Support of the use is determined by four indicators (dissolved oxygen criteria, acute and chronic toxic substances in water criteria, ambient water and sediment toxicity test results, and fish and macrobenthos data).



#### **Contact Recreation**

The contact recreation use is assigned to water bodies where recreational activities including wading by small children, swimming, water skiing, diving, and surfing commonly occur. Support of the use is determined by bacterial indicators (fecal coliform or *E. coli*).



#### Noncontact Recreation

A noncontact recreation use is primarily assigned to water bodies where ship and barge traffic or other activities make contact recreation unsafe. Recreational activities such as boating that do not involve a significant risk of water ingestion are allowed. Support of the use is determined by bacterial indicators (fecal coliform or *E. coli*).



#### General Use

Water temperature, pH, chloride, sulfate, total dissolved solids and enterococci bacteria indicators are used to determine support of general water quality, rather than a specific use.



#### Fish Consumption

The fish consumption use is assigned to all water bodies to ensure that fish and shellfish is safe for human consumption. Support of the use is determined by human health criteria in water (to protect against bioacumulation of toxic substances) and issuance of consumption advisories and aquatic life closures by the Texas Department of Health.



#### **Oyster Waters**

The oyster waters use is assigned to estuarine water bodies that are suitable for harvesting shellfish. Support of the use is determined from maps developed by the Texas Department of Health that depict the classification of shellfish growing areas.



#### **Public Water Supply**

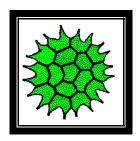
A public water supply use is assigned to all water bodies that are used as a supply for public drinking water. The use is designed to ensure that finished drinking water (after treatment) is safe for consumption. Primary organic substances in finished drinking water is the indicator used to determine support of the use.

#### **Icons for Water Quality Concerns**



#### Nutrient Enrichment

Elevated concentrations of nutrients from point and nonpoint sources may contribute to excessive eutrophication in a water body. Nutrient enrichment concerns are determined by four indicators (ammonia and nitrite + nitrate nitrogen, orthophosphorus, and total phosphorus). Statewide 85<sup>th</sup> percentile concentrations by water body type are used to identify water bodies with nutrient enrichment concerns.



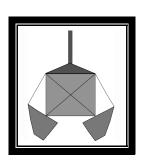
#### Chlorophyll a

Elevated concentrations of chlorophyll *a* signal potential problems associated with excessive algal growths. Algal blooms may occur in response to elevated nutrient concentrations. Statewide 85<sup>th</sup> percentile concentrations by water body type are used to identify water bodies with chlorophyll *a* concerns.



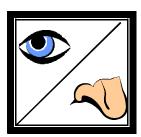
#### Fish Tissue

Elevated concentrations metals and organic substances in fish tissue signal potential health risks to humans and other organisms that consume fish in their diets. Screening levels slightly below those used by the Texas Department of Health to establish consumption advisories are used to identify fish consumption concerns.



#### Sediment

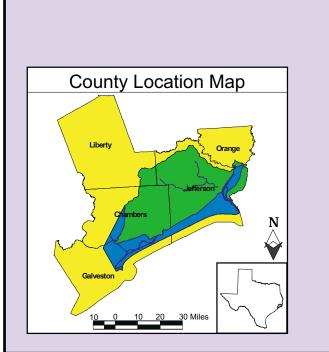
Elevated concentrations of metals and organic substances in sediment may contribute to water quality problems when they are re-suspended by wind activity and spring and fall overturn in deep reservoirs. Metals in sediment may be released into the water column when changes in pH occur near the sedimentwater interface. Contaminated sediments may also affect small creatures such as worms, crustaceans, and insect larvae that live directly in the bottoms of water bodies. Statewide 85<sup>th</sup> percentile concentrations by water body type, threshold effects levels (TELS), and probable effect levels (PELS), are indicators used to identify sediment concerns.

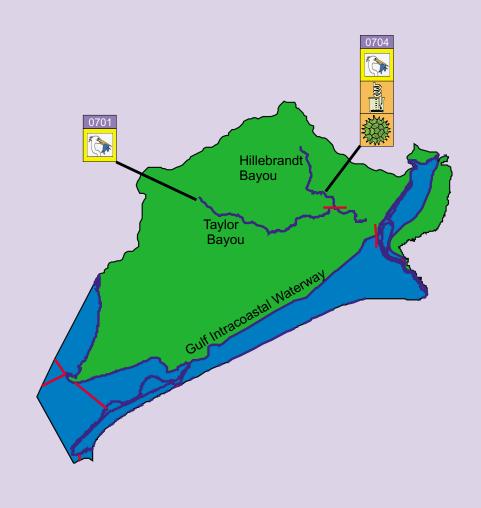


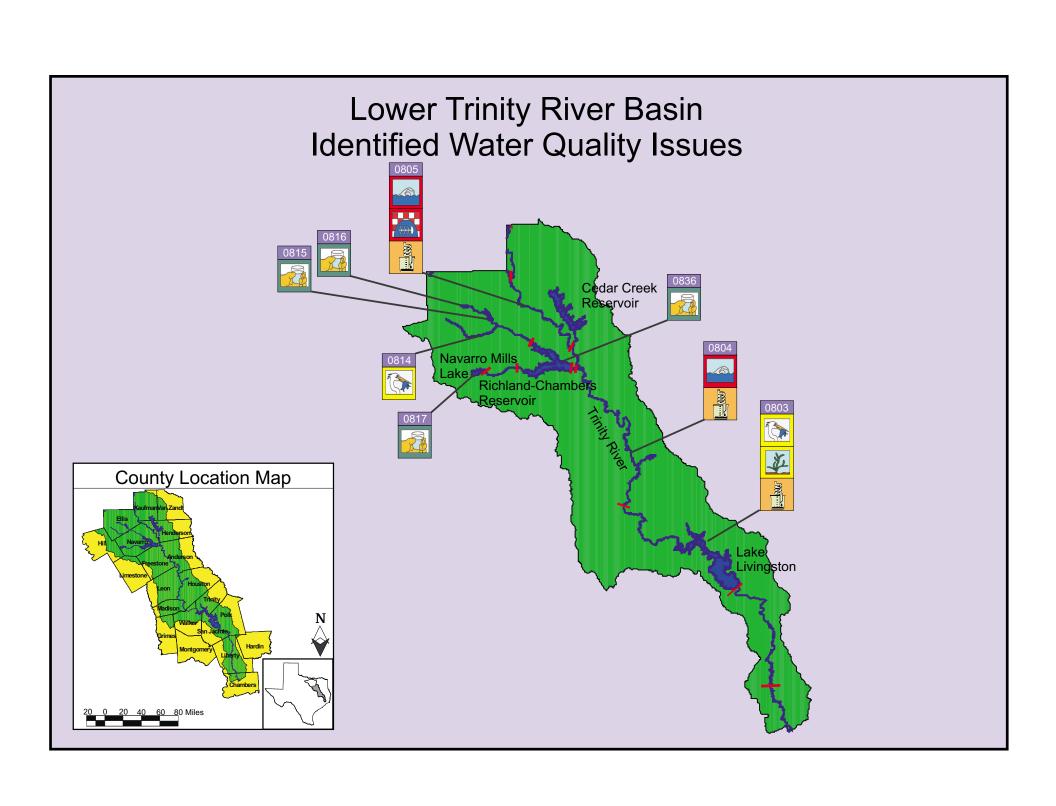
#### Narrative Criteria

Narrative criteria concerns are identified in water bodies where activities or substances impair taste, odor, color, and other aesthetic qualities.

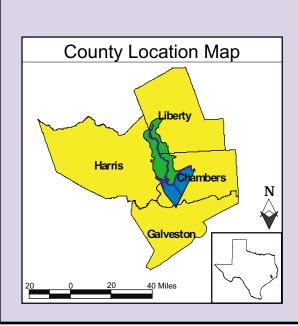
# Neches-Trinity Coastal Basin Identified Water Quality Issues

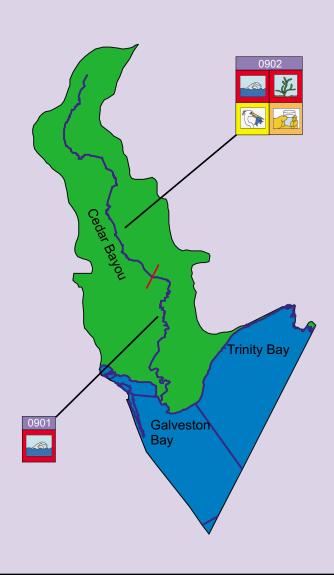


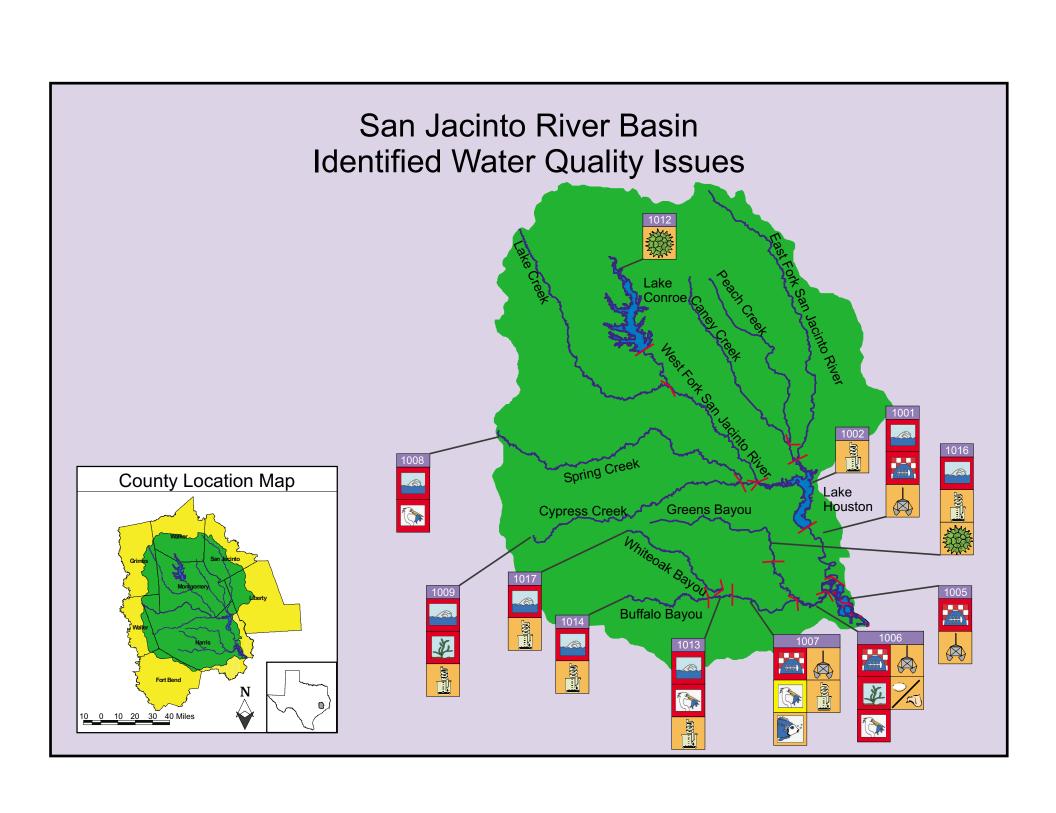


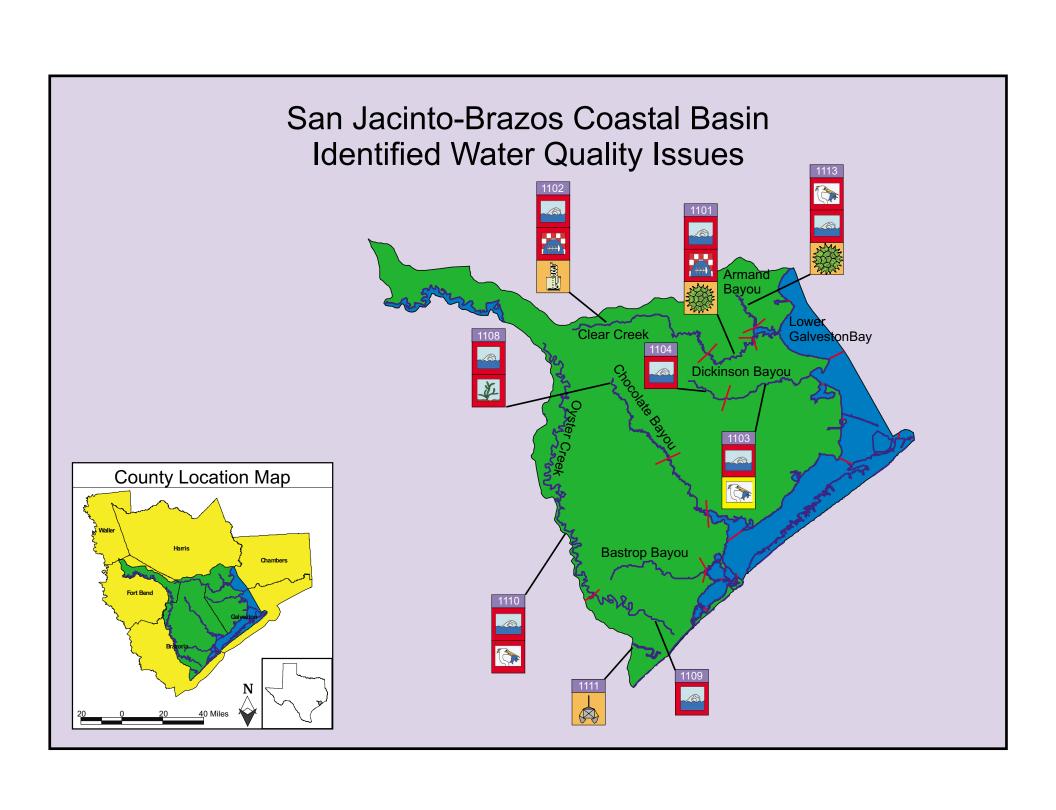


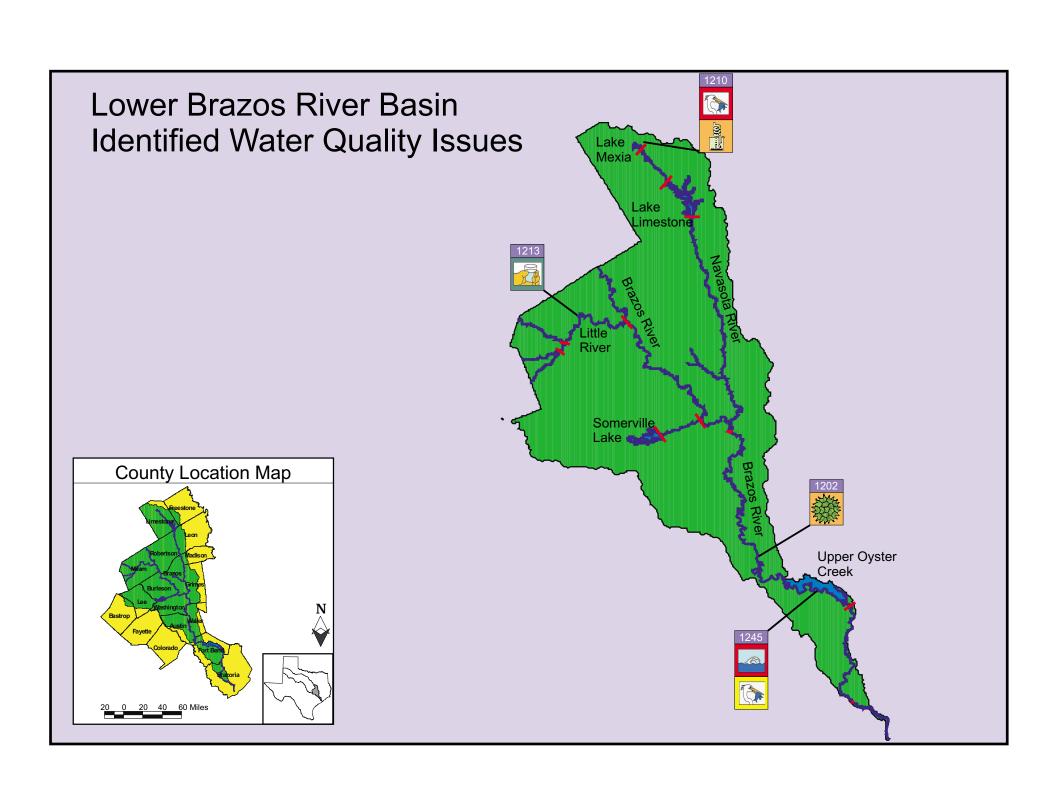
# Trinity-San Jacinto Coastal Basin Identified Water Quality Issues



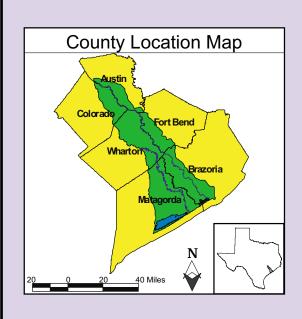


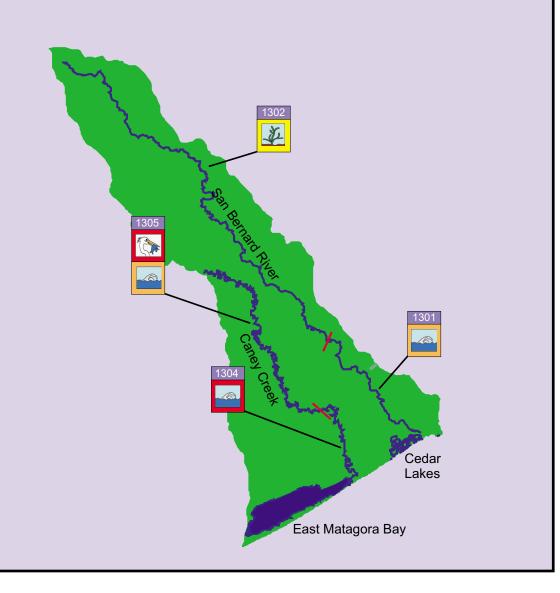






# Brazos-Colorado Coastal Basin Identified Water Quality Issues





# **APPENDIX 3F**

Region H Recreational Use Information

Table 3F-1: River Segments, Bays and Estuaries

	Segment	Recreation <sup>1</sup>	Aquatic Life	Water Supply	Uses	Boating & Water Sports	Camping & Picnicking	Fishing	Hunting	Nature & Wildlife Viewing	Restrooms & Showers	Campsite Sewage	Visitor Center
Neche	s-Trinity Coastal Basin	T to or out or i	7 iqualio 2.io	очьь.)		Trator operio	1 ioinoiang	. ioimig	riumig	vicining	Gildingio	comago	
	-												
702	Intracoastal Waterway Tidal	Contact	High		Navigation								
Trinity	River Basin												
													1
801	Trinity River Tidal	Contact	High		В	+	+			+			
													I
	Trinity River below Lake Livingston	Noncontact	High	Public	B, Sp	+	+			+			
	Lake Livingston	Contact	High	Public	E, Mun, In, Ir, Rec	+	+	+		+	r/s	D	
804	Trinity River above Lake Livingston	Noncontact	High		E, Sp	+	+			+			
Trinity	-San Jacinto Coastal Basin												
901	Cedar Bayou Tidal	Noncontact			Sufficient	S/R+		+		+			
	Cedar Bayou aboveTidal	Noncontact	High	Public	Sufficient	S/R							
	,												
San Ja	acinto River Basin												
1001	San Jacinto River Tidal	Contact	High										
	Lake Houston	Contact	High	Public	Mun, In, Ir, Mi, Rec		İ						
	East Fork San Jacinto River	Contact	High	Public		S/R+	İ						
	West Fork San Jacinto River	Contact	High	Public		+	+						
	Houston Ship Channel/San Jacinto River Tidal	Noncontact	High		Sp		d+	-		+	r		+
	Houston Ship Channel Tidal	Noncontact	<u> </u>	Industrial	Navigation, Sp		d+	-		+	r		+
	Houston Ship Channel/ Buffalo Bayou Tidal	Noncontact		Industrial	Navigation			-					
	Spring Creek	Noncontact	High	Public	ÿ	S/R+							
	Cypress Creek	Noncontact	High	Public									
	Caney Creek	Contact	High	Public									
1011	Peach Creek	Noncontact	High	Public									
1012	Lake Conroe	Contact	High	Public	Mun, In, Mi								
1013	Buffalo Bayou Tidal	Noncontact	Intermediate			S/R+							1
1014	Buffalo Bayou above Tidal	Noncontact	Limited			S/R+							
1015	Lake Creek	Contact	High	Public									
1016	Greens Bayou above Tidal	Noncontact	Limited										
1017	White Oak Bayou above Tidal	Noncontact	Limited										
San Ja	acinto-Brazos Coastal Basin												1
1101	Clear Creek Tidal	Noncontact	High		Sufficient	S/R		-		+			
	Clear Creek above Tidal	Noncontact	High			S/R		-					
1103	Dickinson Bayou Tidal	Noncontact	High		Virgin Coastal Prairie					+			
1104	Dickinson Bayou above Tidal	Noncontact	Intermediate		Insufficient	S/R							
1105	Bastrop Bayou Tidal	Noncontact	High		Sufficient usually, B, Sp	S/R+	1	+	+	+			
1107	Chocolate Bayou Tidal	Contact	High		•	+							
1108	Chocolate Bayou above Tidal	Noncontact	High										
1109	Oyster Creek Tidal	Noncontact	High		Sufficient	S/R							
1110	Oyster Creek above Tidal	Noncontact	High	Public		S/R							

Appendix 3F, River Segments

Table 3F-1: River Segments, Bays and Estuaries

Segment	Special Features
leches-Trinity Coastal Basin	(Anahuac National WMA, Moody National WMA, Candy Abshier WMA)
702 Intracoastal Waterway Tidal	
	T
rinity River Basin	(Keechi Creek WMA, Menard Creek Unit of Big Thicket National Preserve)
and the second second	
801 Trinity River Tidal	Extensive freshwater wetland habitat, Prime spawning area for striped bass restoration
802 Trinity River below Lake Livingston	Prime spawning area for striped bass restoration, Unique state holdings (Davis Hill State Park), USFWS
803 Lake Livingston	Paddlefish stocking area
804 Trinity River above Lake Livingston	Paddlefish stocking area, Unique state holding (Richland Creek WMA, Big Lake Bottom WMA)
, , , , , , , , , , , , , , , , , , , ,	
rinity-San Jacinto Coastal Basin	
901 Cedar Bayou Tidal	
902 Cedar Bayou aboveTidal	
an Jacinto River Basin	(Sheldon WMA)
an Jacinto River Basin	(Siteration WWA)
1001 San Jacinto River Tidal	
1002 Lake Houston	Lake Houston State Park
1003 East Fork San Jacinto River	Sam Houston National Forest, bottomland hardwood habitats
1004 West Fork San Jacinto River	
1005 Houston Ship Channel/San Jacinto River Tidal	Unique state holdings (San Jacinto State Park)
1006 Houston Ship Channel Tidal	Unique state holdings (San Jacinto State Park)
1007 Houston Ship Channel/ Buffalo Bayou Tidal	
1008 Spring Creek	bottomland hardwood habitats
1009 Cypress Creek	bottomland hardwood habitats
1010 Caney Creek	
1011 Peach Creek 1012 Lake Conroe	bottomland hardwood habitats
1012 Buffalo Bayou Tidal	
1014 Buffalo Bayou above Tidal	
1015 Lake Creek	
1016 Greens Bayou above Tidal	bottomland hardwood habitats 9aobe Hwy 90]
1017 White Oak Bayou above Tidal	
	(Galveston Island State Park, Bryan Beach State Park, Christmas Bay State Park, Atkinson Island WMA,
an Jacinto-Brazos Coastal Basin	Christmas Bay Coastal Preserve)
1101 Clear Creek Tidal	
1102 Clear Creek above Tidal 1103 Dickinson Bayou Tidal	
1103 Dickinson Bayou Tidal 1104 Dickinson Bayou above Tidal	
1104 Dickinson Bayou above Tidal	Extensive freshwater wetland habitat, Unique Federal Holdings (Brazoria National Wildlife Refuge
1107 Chocolate Bayou Tidal	
1108 Chocolate Bayou above Tidal	
1109 Oyster Creek Tidal	
1110 Oyster Creek above Tidal	<u> </u>

Appendix 3F, River Segments

Table 3F-1: River Segments, Bays and Estuaries

				Water		Boating &	Camping &			Nature & Wildlife	Restrooms &	Campsite	Visitor
	Segment	Recreation <sup>1</sup>	Aquatic Life	Supply	Uses	Water Sports	Picnicking	Fishina	Hunting	Viewing	Showers	Sewage	Center
1111	Old Brazos River Channel Tidal	Contact	High				3	- 3		. 3			
	Armand Bayou Tidal	Noncontact	High		Unspoiled Vegetation, B	S/R				+			
	,		Ŭ		, ,								
Brazos	s River Basin												
1201	Brazos River Tidal	Contact	High	Public	B, E			-					
1202	Brazos River below Navasota River	Noncontact	High	Public	B, E, Sp		+	+		+	r/s	D	+
1209	Navasota River below Lake Limestone	Contact	High	Public	В	S/R				+			
	Upper Oyster Creek	Contact	Intermediate	Public									
1252	Lake Limestone	Contact	High	Public	Mun, In, Ir, Rec	+	+	+					
Brazo	s-Colorado Coatal Basin												
1301	San Bernard River Tidal	Noncontact	High		E, Rec, Sp			+	+	+			
1302	San Bernard River above Tidal	Contact	High		E, Rec, Sp					+			+
Bays a	and Estuaries												
	Upper Galveston Bay	Contact	High		Oyster Waters	+	+	-	+	+			
	Trinity Bay	Contact	High		Oyster Waters	+	+	+		+			
	East Bay	Contact	High		Oyster Waters	+		+		+			
	West Bay	Contact	High		Oyster Waters	+	+	+		+			
	Clear Lake	Noncontact	High			+	+						
	Tabbs Bay	Noncontact	High			+	+	-		+			
	San Jacinto Bay	Contact	High					-					
	Black Duck Bay	Contact	High					-					
	Scott Bay	Noncontact	High					-					
	Burnett Bay	Contact	High					-					
	Moses Lake	Contact	High		0	+				+			
	Chocolate Bay	Contact	High		Oyster Waters	+							
	Bastrop Bay/Oyster Lake Christmas Bay	Contact Contact	High High		Oyster Waters Oyster Waters	+							
	Drum Bay				•	+	+	+					
	Barbours Cut	Contact Contact	High High		Oyster Waters								
	I.					+		-					
	Texas City Ship Channel Bayport Channel	Noncontact Noncontact	High High			+		+		+			
	Lower Galveston Bay		High High		Oyster Waters								
	·	Contact			Oyster Waters Oyster Waters	+		+		+			
2442	Cedar Lakes	Contact	High		Oyster vvaters			+	+	+			

B Biological Function
E Unique Communities

Mun Municipal

Mi Mining

g a day u

d day use only

this recreation activity is available in this area not recommended

Rec recreation

Ir Irrigation
In Industry

FH fish hatchery

r restrooms

Sp Acquisition/Mitigation/Governmental Open Space

S/R Seasonal and Restrictive

s showers D dump

For the specific feature refered to by the symbols (B, E, and Sp) above see Sheet "Special Features"

Appendix 3F, River Segments
Page 3 of 4

<sup>&</sup>lt;sup>1</sup> The information used for this column was obtained from the Texas Commission for Environmental Quality "The State of Texas Water Quality Inventory: Surface Water Quality Monitoring Program" Volumes 1-4 published in December 1996, and the Texas Clean Rivers Program & TNRCC "Texas Water Quality: A Summary of River Basin Assessments" published in December 1996. The complete bibliography is attached after the tables.

Table 3F-1: River Segments, Bays and Estuaries

	Segment	Special Features
1111	Old Brazos River Channel Tidal	
	Armand Bayou Tidal	Extensive freshwater wetland habitat, Armand Bayou Nature Center
		·
Brazo	s River Basin	(Mill Creek-Unique community, rare gamagrass-switchgrass bottomland tallgrass prairie (Austin Co.))
1201	Brazos River Tidal	striped bass spawning migration, unique community, Live oak-Water oak-Pecan bottomlands
		striped bass spawning migration, unique community, Live oak-Water oak-Pecan bottomlands, unique state
1202	Brazos River below Navasota River	holdings (Brazos Bend State Park)
1209	Navasota River below Lake Limestone	striped bass spawning migration
	Upper Oyster Creek	
1252	Lake Limestone	
Brazo	s-Colorado Coatal Basin	(Peach Point WMA)
		Unique community, Live Oak-Water Oak-Pecan bottomlands, Recreation, Unique Federal holdings (San Bernard
1301	San Bernard River Tidal	NWR)
		Unique community, Live Oak-Water Oak-Pecan bottomlands, Recreation, Unique Federal holdings (Attwater
1302	San Bernard River above Tidal	Prairie Chicken NWR)
Bays a	and Estuaries	
	Upper Galveston Bay	
	Trinity Bay	
	East Bay	Anahuac National Wildlife Refuge
	West Bay	Brazoria National Wildlife Refuge
	Clear Lake	
	Tabbs Bay	
	San Jacinto Bay	
	Black Duck Bay	
	Scott Bay	
	Burnett Bay	
	Moses Lake	
	Chocolate Bay	
	Bastrop Bay/Oyster Lake	
	Christmas Bay	
	Drum Bay	
	Barbours Cut	
	Texas City Ship Channel	
	Bayport Channel	
	Lower Galveston Bay	
2442	Cedar Lakes	
	<u> </u>	
	B. Biological Function	

B Biological Function

Rec recreation

Sp Acquisition/Mitigation/Governmental Open Space For the specific feature refered to by the symbols (E

Appendix 3F, River Segments

E Unique Communities

<sup>&</sup>lt;sup>1</sup> The information used for this column was obtaine Volumes 1-4 published in December 1996, and the The complete bibliography is attached after the table

## **APPENDIX 3G**

Current Water Supplies Available to Region H by City and Category

#### Table 3G.1 Current Water Supplies Available to Region H by City and Category

BELLVILLE 0800/ COUNTY-OTHER 08077 COUNTY-OTHER 08077 COUNTY-OTHER 08077 COUNTY-OTHER 08077 COUNTY-OTHER 08077 BRRGATION 08100 INFRIGATION 08100 IVESTOCK 08	NUCS ID  800757008	WUG MUG MUG MUG MUG MUG MUG MUG MUG MUG M	WUG Basin BRAZOS BRAZOS COLORADO BRAZOS COLORADO BRAZOS COLORADO BRAZOS COLORADO BRAZOS BRAZOS COLORADO BRAZOS BRAZOS COLORADO COLORADO BRAZOS BRAZOS COLORADO COLORADO BRAZOS BRAZOS COLORADO BRAZOS	WUG County  AUSTIN  BRAZORIA  BR	WUG County ID 008 008 008 008 009 009 009 009 009 009	WUG Basin ID  12  12  13  14  12  13  14  12  13  14  14  14  14  14  14  14  11  11	2000 2000 2000	WWP Name  None  No	SOURCE Name  GULF COAST AGUIFER	SOURCE ID  00815	SOURCE RWPG H H H H H H H H H H H H H H H H H H H	SOURCE Basin BRAZOS BRAZOS BRAZOS BRAZOS COLONADO COLONADO COLONADO BRAZOS COLORADO DE COLORADO COLORADO COLORADO COLORADO COLORADO COLORADO COLORADO COLORADO COLORADO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS BRAZOS	AUSTIN BRAZORIA BR	SPOURCE Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID Basin ID ID Basin ID B	SOURCE COUNTY ID COUNTY IN	2010 1192 1047 281 26 743 9874 1211 339 13 52 172 38 40 4 7 7 124 1275 178 3123 1815 125 75 15 82	2020 1192 871 281 26 743 9874 1211 339 56 172 38 40 4 7 7 124 1275 178 3123 1815 125 125 15 16 225	2030 1192 762 762 281 26 743 9874 1211 339 177 58 40 4 7 124 1275 178 3123 1815 1825 185 185 185 185 185 185 185 185 185 18	feet per yes 2040 1192 2040 1192 692 281 286 743 9874 1211 339 6 6 59 172 38 40 4 7 124 1275 178 3123 1815 123 1815 123 1815 123 1815 123 1815	2050 2060 1192 1192 1192 1193 2060 324 206 324 207 208 208 208 328 208 208 208 208 208 208 208 208 208 208 208 208
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BRRIGATION	81 (1004008 81 (1004008 81 (1005008 81	H H H H H H H H H H H H H H H H H H H	BRAZOS BRAZOS-COLORADO BRAZOS-COLORADO BRAZOS-COLORADO BRAZOS-COLORADO COLORADO COLORADO BRAZOS BRAZOS-COLORADO SAN JACINTO-BRAZOS BRAZOS	AUSTIN BRAZORIA BRAZORIA	008 008 008 008 008 008 008 008 008 008	12 13 13 14 14 14 12 13 11 12 13 14 12 12 13 11 11 11 11 11 11 11 12 12 13 11 11 11 11 11 11 11 11 11 11 11 11	2000	None	GULF COAST AQUIFER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER	00815 00815	H H H H H H H H H H H H H H H H H H H	BRAZOS COLORADO BRAZOS COLORADO BRAZOS COLORADO COLORADO COLORADO COLORADO COLORADO BRAZOS COLORADO BRAZOS COLORADO BRAZOS COLORADO BRAZOS BRAZOS COLORADO COLORADO BRAZOS	AUSTIN BERZORIA BE	12 13 13 12 13 14 14 14 12 13 13 14 12 13 14 12 12 11 11 11 12 12 12 12 12 11 11 11	008 008 008 008 008 008 008 008 008 008	743 9874 1211 339 13 52 1772 38 40 4 7 124 1274 1278 3123 1815 75 15 82 254	743 9874 1211 339 9 56 172 38 40 4 7 7 124 1275 178 3123 1815 125 75 15 82	743 9874 1211 339 7 88 172 38 40 4 7 7 124 1275 178 3123 1815 125 75 15 82	743 9874 1211 339 6 6 59 172 38 40 4 7 124 1275 178 1123 1815 123 75 15 82 254	743 743 743 743 743 743 743 743 743 743
BRRIGATION	18 1004008 18 1004008 18 1005008	H H H H H H H H H H H H H H H H H H H	BRAZOS-COLORADO BRAZOS SAN JACINTO BRAZOS	AUSTIN BRAZORIA BRAZORIA	008 008 008 008 008 008 008 008 008 008	13 12 13 14 14 14 12 13 13 14 12 13 11 11 11 11 11 11 11 11 11 11 11 11	2000	None None None None None None None None	GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER BRAZOS RIVER RILN-OF-RIVER	00815 00815	H H H H H H H H H H H H H H H H H H H	BBAZOS-COLORADO BRAZOS BBAZOS-COLORADO COLORADO COLORADO COLORADO DIRAZOS BRAZOS	AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN BRAZORIA B	13 12 13 14 14 14 12 13 13 14 14 12 13 11 12 13 11 12 11 11 12 12 12 12 13 11 11 12 12 12 12 12 12 12 12 12 12 12	008 008 008 008 008 008 008 008 008 008	9874 1211 1339 13 52 172 38 40 4 7 124 1275 178 3123 1815 125 75 15 82	9874 1211 1211 39 9 56 172 38 40 4 7 124 1275 178 3123 1815 125 75 15 82 254	9874 1211 339 7 58 172 38 40 4 7 124 1275 178 3123 18115 125 75 15 82	9874 1211 1211 39 6 59 172 38 40 4 7 124 1275 178 3123 1815 123 75 15 82 254	9874 9874 9874 9874 9874 9874 9874 9874
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LIVESTOCK 0810/L LIVESTOCK 0810/L LIVESTOCK 0810/L MANUFACTURING 0810/L MANUFACTURING 0810/L MINING 0810/L SAM PELIPE 0800/L SAM PELIPE 0800/L SAM PELIPE 0800/L MINING 0810/L MINING 08	181 005008 181 005008 181 001008 181 001008 181 001008 181 001008 181 001008 181 003008 181 003008 181 003008 181 003008 181 003008 181 003008 181 003008 181 003008 180 003008	H H H H H H H H H H H H H H H H H H H	COLDRADO COLDRADO BRAZOS BRAZOS COLORADO BRAZOS BRAZOS COLORADO BRAZOS BRAZOS COLORADO BRAZOS	AUSTIN BRAZORIA BRAZORIA	008 008 008 008 008 008 008 008 008 008	14 14 14 14 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	2000	None None None None None None None None	GULF COAST AQUIFER  BRAZOS RIVER RILA-OF-RIVER  BRAZOS RIVER RILA-OF-RIVER  BRAZOS RIVER RILA-OF-RIVER  BRAZOS RIVER RILA-OF-RIVER	00815 99714008 00815 00815 00815 00815 00815 00815 00815 00815 00815 00815 00215 3461205366 02015 02015 02015 02015 02015 02015	H H H H H H H H H H H H H H H H H H H	COLORADO COLORADO COLORADO BRAZOS BRAZOS COLORADO BRAZOS	AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN AUSTIN BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	14 14 14 12 13 13 12 13 14 14 12 12 11 12 11 12 11 12 11 12 12 12 12	008 008 008 008 008 008 008 008 008 008	13 52 172 38 40 4 7 124 1275 178 3123 1815 125 75 15 82 254	9 56 172 38 40 4 7 7 124 1275 178 3123 1815 125 75 15 82 254	7 58 1772 38 40 4 7 124 1275 178 3123 1815 125 75 15 82 254	6 59 172 38 40 4 7 7 124 1275 178 3123 1815 123 75 15 82 254	6 4 60 61 172 172 38 38 38 40 40 40 40 4 124 127 128 128 128 128 128 129 1215 127 128 128 129 129 125 125 125 125 125 125 125 125 125 125
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WALLIS 08665 ALVIN 08001 ANGLETON 08001 ANGLETON 08001 ANGLETON 08001 BALEYS PRAINE 08061 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 BRAZORIA 08001 CLUTE 0801 CLUTE 0801 CULTE 0801 CULTE 0801 CULTO 0801 CUL	880630000 88013000 88013000 88013000 88013000 88018000 88018000 88018000 88017000 88017000 88017000 88017000 88017000 88017000 88017000 880180000 880180000 880180000 880180000 880180000 880180000 880180000 880180000 880180000 880180000 880180000 880180000	H H H H H H H H H H H H H H H H H H H	BRAZOS COLORADO SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO BRAZOS	AUSTIN BRAZORIA	008 020 020 020 020 020 020 020 020 020	13 11 11 11 11 12 12 13 11 12 11 11	2000	None None BRAZOSPORT WATER AUTHORITY None None None BRAZOSPORT WATER AUTHORITY BRAZOSPORT WATER AUTHORITY BRAZOSPORT WATER AUTHORITY None None	GULF COAST AQUIFER  GULF COAST AQUIFER  BRAZOS RIVER RIUN-OF-RIVER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  BRAZOS RIVER RIUN-OF-RIVER  BRAZOS RIVER RIUN-OF-RIVER	00815 02015 3461205366 02015 02015 02015 02015 3461205366 3461205366	H H H H	BRAZOS-COLORADO SAN JACINTO-BRAZOS BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS BRAZOS BRAZOS	AUSTIN BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	13 11 12 11 11 11 12 12 12	008 020 020 020 020 020 020 020 020	178 3123 1815 125 75 15 82 254	178 3123 1815 125 75 15 82 254	178 3123 1815 125 75 15 82 254	178 3123 1815 123 75 15 82 254	178 178 3123 3123 1815 1815 125 125 75 75 15 15 82 82 254 842 842
ALVIN 08001 ANGLETON 08001 ANGLETON 080001 BALEYS PRAINTE 080001 BALEYS PRAINTE 080001 BRAZORIA 080001 BRAZORIA 080001 BRAZORIA 080001 BRAZORIA COUNTY MUD ID 200001 BRAZORIA COUNTY MUD B2 08001 BRAZORIA COUNTY MUD B2 080001 BRAZORIA COUNTY MUD B3 080001 BRAZORIA COUNTY MUD B4 080001 BRAZORIA COUNTY MUD B4 080001 BRAZORIA COUNTY MUD B5 080001 BRAZORIA COUNTY MUD B6 080001 CLUTE 080011 CULTE 080011 CULTE 080011 CULTY-OTHER 08007 COUNTY-OTHER 08077	88013000 80018000 80018000 88018000 88017000 88017000 88072000 88072000 884030000 884030000 884030000 884030000 884030000 884030000 884030000 884030000 880078000 880118000 80118000 80118000 801757020 80757020 80757020	H H H H H H H H H H H H H H H H H H H	SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS	BRAZORIA BRAZORIA	020 020 020 020 020 020 020 020 020 020	11 11 11 11 12 12 13 11 11 12 11 11	2000	None BRAZOSPORT WATER AUTHORITY None None None BRAZOSPORT WATER AUTHORITY BRAZOSPORT WATER AUTHORITY None None	GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	02015 3461205366 02015 02015 02015 02015 3461205366 3461205366	H H H H	SAN JACINTO-BRAZOS BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS BRAZOS BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	11 12 11 11 11 12 12 12	020 020 020 020 020 020 020 020	3123 1815 125 75 15 82 254	3123 1815 125 75 15 82 254	3123 1815 125 75 15 82 254	3123 1815 123 75 15 82 254	3123 3123 1815 1815 125 125 75 75 15 15 82 82 254 254 842 842
ANGLETON 0800101 ANGLETON 0800101 BALEYS PRAINTE 0800101 BALEYS PRAINTE 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 BRAZORIA 0800101 CLUTE 08010 CULTE 08010 CULTE 08010 CULTE 08010 CULTE 08010 CULTY-OTHER 08070 COUNTY-OTHER 08070	88018000 88018000 88017000 88017000 88017000 88072000 88072000 84030000 8403000 86075020 860757020 860757020	H H H H H H H H H H H H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020 020 020 020 020 020 020 020 020 020	11 11 11 12 12 13 11 11 12 11 11	2000	BRAZOSPORT WATER AUTHORITY None None None BRAZOSPORT WATER AUTHORITY BRAZOSPORT WATER AUTHORITY None	BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	3461205366 02015 02015 02015 3461205366 3461205366	H H H	BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS BRAZOS BRAZOS BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	12 11 11 11 12 12	020 020 020 020 020 020 020	1815 125 75 15 82 254	1815 125 75 15 82 254	1815 125 75 15 82 254	1815 123 75 15 82 254	1815 1815 125 125 75 75 15 15 82 82 254 254 842 842
ANGLETON 0900 BALEYS PRANIE 0000 BALEYS PRANIE 0000 BALEYS PRANIE 0000 BRAZORIA 00000 BRAZORIA 00000 BRAZORIA 00000 BRAZORIA 00000 BRAZORIA COUNTY MUD is 0000  CLUTE 00001 CULTE 00001 CULTE 00001 CULTY-OTHER 00077 COUNTY-OTHER 00077 DANSIERY 00000 FREEPORT 00002	80018000 80817000 80817000 80072000 80072000 80072000 84033000 84033000 84033000 84033000 84033000 84034000 84034000 80078000 80118000 80118000 801757020 80757020 80757020 80757020	H H H H H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020 020 020 020 020 020 020 020 020 020	11 11 12 12 13 11 12 11 11 11	2000	None None None BRAZOSPORT WATER AUTHORITY BRAZOSPORT WATER AUTHORITY None	GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	02015 02015 02015 02015 3461205366 3461205366	H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS BRAZOS BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	11 11 12 12 12	020 020 020 020 020	125 75 15 82 254	125 75 15 82 254	125 75 15 82 254	123 75 15 82 254	125 125 75 75 15 15 82 82 254 254 842 842
BALEYS PRAINTE 0.0005018 BALEYS PRAINTE 0.0005018 BRAZORIA 0.000001 BRAZORIA 0.000001 BRAZORIA 0.000001 BRAZORIA 0.000001 BRAZORIA 0.000001 BRAZORIA 0.000010 BRAZORIA 0.000010 BRAZORIA 0.000010 0.000001 BRAZORIA 0.000011 0.00001 CULTE 0.0001 80817000 80817000 80072000 80072000 80072000 84030000 84033000 84033000 84033000 84033000 84033000 84034000 86018000 80118000 80118000 80757020 80757020 80757020	H H H H H H H H H H	BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020 020 020 020 020 020 020 020	11 12 12 13 11 11 12 11 11		None BRAZOSPORT WATER AUTHORITY BRAZOSPORT WATER AUTHORITY None	GULF COAST AQUIFER GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	02015 02015 3461205366 3461205366	H H	SAN JACINTO-BRAZOS BRAZOS BRAZOS	BRAZORIA BRAZORIA BRAZORIA	11 12 12 12	020 020 020 020	75 15 82 254	75 15 82 254	75 15 82 254	75 15 82 254	75 75 15 15 82 82 254 254 842 842	
BRAZORIA 08000 BRAZORIA 00000 BRAZORIA COUNTY MUD #1 084000 BRAZORIA COUNTY MUD #3 084000 BRAZORIA COUNTY MUD #3 084000 BRAZORIA COUNTY MUD #4 084000 BRAZORIA COUNTY MUD #4 084000 BRAZORIA COUNTY MUD #5 084000 BRAZORIA COUNTY MUD #5 084000 BRAZORIA COUNTY MUD #5 084000 BRAZORIA COUNTY MUD #5 084000 BRAZORIA COUNTY MUD #5 084000 BROCKSIBIO Y LIAGE 084000 CULTE 08011 CULTE 08011 CULTE 08017 COUNTY-OTHER 08077 C	80072000 80072000 84032000 84032000 84032000 84032000 84033000 84033000 84033000 840138000 86018000 86018000 86018000 860757020 860757020 860757020	H H H H H H H H H	BRAZOS BRAZOS-COLORADO SAN JACINTO-BRAZOS BRAZOS BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020 020 020 020 020 020 020 020	12 13 11 12 11 11 11		BRAZOSPORT WATER AUTHORITY BRAZOSPORT WATER AUTHORITY None	GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	3461205366 3461205366	Н	BRAZOS	BRAZORIA BRAZORIA	12 12	020 020	15 82 254	82 254	15 82 254	82 254	15 15 82 82 254 254 842 842
BRAZORIA 600017 MIJO 19 00001 BRAZORIA COUNTY MIJO 19 00001 BRAZORIA COUNTY MIJO 20 00001 BRAZORIA COUNTY MIJO 20 00001 BRAZORIA COUNTY MIJO 24 00001 BRAZORIA COUNTY MIJO 24 00001 BRAZORIA COUNTY MIJO 24 00001 CLUTE 00011 CLUTE 00011 CUITE 00011 CUITE 00011 CUITY-OTHER 0007 COUNTY-OTHER 0007 FREEPORT 00001	80072000 844030000 844030000 844032000 844033000 844034000 880757020 880757020 880757020 880757020	H H H H H H H H H H H H H H H H H H H	BRAZOS-COLORADO SAN JACINTO-BRAZOS BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020 020 020 020 020 020	13 11 12 11 11 11		BRAZOSPORT WATER AUTHORITY None	BRAZOS RIVER RUN-OF-RIVER	3461205366			BRAZORIA	12	020	254	254	254	254	254 254 842 842
BRAZORIA COUNTY MUD # 1  BRAZORIA COUNTY MUD # 2  BRAZORIA COUNTY MUD # 2  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  BRAZORIA COUNTY MUD # 3  CULTE 08011  CULTE 08011  CULTE 08017  COUNTY-OTHER 08077  CO	84030000 84031000 84031000 84033000 84033000 84033000 86078000 80118000 80118000 80757020 80757020 80757020 80757020	H H H H H H H H H H H H H H H H H H H	SAN JACINTO-BRAZOS BRAZOS BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020 020 020 020 020	11 12 11 11 11	2000	None				BRAZOS								842 842
BBAZDRIA COUNTY MUD #2 0940 BBAZDRIA COUNTY MUD #2 0940 BBAZDRIA COUNTY MUD #3 0940 BBAZDRIA COUNTY MUD #4 0940 BRAZDRIA COUNTY MUD #5 0940 CLUTE 09601 CLUTE 09601 CUITE 09601 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 COUNTY-OTHER 0967 FREEPORT 09602	84031000 84032000 84032000 84033000 84034000 880078000 880118000 880118000 880757020 880757020 880757020 880757020	H H H H H H H H H H H H H H H H H H H	BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020 020 020 020	12 11 11			GULF COAST AQUIFER					11	020					
BRAZORIA COUNTY MUD # 0  BRAZORIA COUNTY MUD # 0  BRAZORIA COUNTY MUD # 0  BRAZORIA COUNTY MUD # 0  BRAZORIA COUNTY MUD # 0  BRAZORIA COUNTY MUD # 0  CULTE 08911  CULTE 08911  COUNTY-OTHER 08977  COUNTY-OTH	84032000 84033000 84034000 880078000 880118000 880118000 880757020 880757020 880757020 880757020 880757020	H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020 020 020	11 11			CHI E COACT ACHIEFE	02015 02015	н	SAN JACINTO-BRAZOS BRAZOS	BRAZORIA BRAZORIA	12	020	1115	842 1115	842 1115	1115	
BRAZORIA COUNTY MUD 64  BRAZORIA COUNTY MUD 64  BRAZORIA COUNTY MUD 65  BROCKSIDE VILLAGE  GROCKSIDE VILLAGE	84033000 84034000 80078000 80118000 80118000 80118000 80757020 80757020 80757020 80757020	H H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020 020	11	_	None None	GULF COAST AQUIFER GULF COAST AQUIFER	02015 02015	н	BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	12	020	1115 603	1115 603	1115 603	1115	603 603
BBAZORIA COUNTY MUD #5	84034000 880078000 880118000 880118000 880157020 880757020 880757020 880757020	H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA BRAZORIA BRAZORIA BRAZORIA	020 020 020	11	1	None	GULF COAST AQUIFER  GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	578	570	562	558	558 558
CLUTE 0801  CLUTE 0801  COUNTY-OTHER 0807  COUNTY-OTHER 0807  COUNTY-OTHER 0807  COUNTY-OTHER 0807  COUNTY-OTHER 0807  COUNTY-OTHER 0807  DAMBURY 0806  FREEPORT 0802	80118000 80118000 80757020 80757020 80757020 80757020 80757020	H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	680	669	659	653	653 653
CLUTE 08011 COUNTY-OTHER 08075 COUNTY-OTHER 08075 COUNTY-OTHER 08075 COUNTY-OTHER 08075 COUNTY-OTHER 08075 DANBURY 08065 FREEPORT 08021 FREEPORT 08021	80118000 80757020 80757020 80757020 80757020 80757020	H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA				None	GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	266	266	266	266	266 266
COUNTY-OTHER 0807* COUNTY-OTHER 0807* COUNTY-OTHER 0807* COUNTY-OTHER 0807* COUNTY-OTHER 0807* DANBURY 08066 FREEPORT 0802* FREEPORT 0802*	880757020 880757020 880757020 880757020 880757020	н н н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA		11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	Н	BRAZOS	BRAZORIA	12	020	1120	1120	1120	1120	1120 1120
COUNTY-OTHER 08075 COUNTY-OTHER 08076 COUNTY-OTHER 08076 COUNTY-OTHER 08077 COUNTY-OTHER 08077 DANBURY 08066 FREEPORT 08021 FREEPORT 08021	180757020 180757020 180757020 180757020	H H	SAN JACINTO-BRAZOS		020	11		None	GULF COAST AQUIFER	02015	H	SAN JACINTO-BRAZOS	BRAZORIA	11	020	27	27	27	27	27 27
COUNTY-OTHER 08075 COUNTY-OTHER 08075 COUNTY-OTHER 08075 DANBURY 08066 FREEPORT 08022 FREEPORT 08022	80757020 80757020 80757020	H H		BRAZORIA	020 020	11	2000	BRAZOSPORT WATER AUTHORITY None	BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER	3461205366 02015	H	BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	12	020 020	196 4588	196 4588	196 4588	196 4588	196 196 4588 4588
COUNTY-OTHER 08075 COUNTY-OTHER 08075 DANBURY 08065 FREEPORT 08021 FREEPORT 08021	80757020 80757020	н		BRAZORIA	020	12		None	GULF COAST AQUIFER  GULF COAST AQUIFER	02015	Н	BRAZOS	BRAZORIA	12	020	12	8	6	5	4 3
DANBURY 08065 FREEPORT 08021 FREEPORT 08021		н	BRAZOS-COLORADO	BRAZORIA	020	13	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	н	BRAZOS	BRAZORIA	12	020	224	224	224	224	224 224
FREEPORT 08021 FREEPORT 08021	80693000		BRAZOS-COLORADO	BRAZORIA	020	13		None	GULF COAST AQUIFER	02015	Н	BRAZOS-COLORADO	BRAZORIA	13	020	2026	2026	2026	2026	2026 2026
FREEPORT 08021		Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	211	211	211	211	211 211
	80217000	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	Н	BRAZOS	BRAZORIA	12	020	1763	1787	1803	1814	1824 1832
HILLURES I USUS.	180217000	H	BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020 020	12 11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366 02015	H	BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	12	020 020	141 125	117 125	101 125	90 125	80 72 125 125
HOLIDAY LAKES 08077	80779000	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA	020	11		None None	GULF COAST AQUIFER GULF COAST AQUIFER	02015	H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA	11	020	92	91	90	89	90 93
	80885000	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	108	108	108	108	108 108
IRRIGATION 08100	81004020	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	21607	18419	14915	12374	10668 9117
	81004020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461105343	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	720	720	720	720	720 720
	81004020	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461105344	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	1320	1320	1320	1320	1320 1320
	81004020	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020 020	11		None	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461105346 3461105352	H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	11	020 020	2214	2214	2214	2214	2214 2214
	81004020 181004020	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA	020	11		None None	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461105352	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA	11	020	3271 734	3271 734	3271 734	3271 734	3271 3271 734 734
	81004020	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3411104449	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	1200	1200	1200	1200	1200 1200
IRRIGATION 08100	81004020	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3411104509	н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	2028	2028	2028	2028	2028 2028
IRRIGATION 08100	81004020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205322B	Н	BRAZOS	FORT BEND	12	079	13197	13197	13197	13197	13197 13197
	81004020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	325	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	447	447	447	447	447 447
	81004020	Н	BRAZOS	BRAZORIA	020	12		None	BRAZOS RIVER RUN-OF-RIVER	3461205492	H	BRAZOS	BRAZORIA	12	020 020	1800	1800	1800 58	1800	1800 1800 29 21
	81004020 81004020	H	BRAZOS BRAZOS	BRAZORIA BRAZORIA	020	12	325	None GULF COAST WATER AUTHORITY	GULF COAST AQUIFER BRAZOS RIVER ALITHORITY MAIN STEM STYSTEN	02015 120F0	н	BRAZOS BRAZOS	BRAZORIA RESERVOIR	12	020	174 50	90	50	40 50	29 21
	81004020	н	BRAZOS-COLORADO	BRAZORIA BRAZORIA	020	13	320	None	GULF COAST AQUIFER	02015	н	BRAZOS-COLORADO	BRAZORIA	13	020	2791	2525	2378	2274	2191 2106
JONES CREEK 08030	80308000	н	BRAZOS-COLORADO	BRAZORIA	020	13		None	GULF COAST AQUIFER	02015	Н	BRAZOS-COLORADO	BRAZORIA	13	020	98	91	84	76	72 72
LAKE JACKSON 08033	80338000	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	Н	BRAZOS	BRAZORIA	12	020	2240	2240	2240	2240	2240 2240
	180338000	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	776	776	776	776	776 776
	81005020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	H	SAN JACINTO-BRAZOS	BRAZORIA	11	020	423	423	421	377	325 278
	81005020 181005020	H	SAN JACINTO-BRAZOS BRAZOS	BRAZORIA BRAZORIA	020	11	_	None None	LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER	99711020 02015	H	SAN JACINTO-BRAZOS BRAZOS	BRAZORIA BRAZORIA	11	020 020	545 22	505 14	547 10	591 7	643 690 6 4
	81005020	н	BRAZOS	BRAZORIA	020	12		None	LIVESTOCK LOCAL SUPPLY	99712020	н	BRAZOS	BRAZORIA	12	020	220	228	232	235	236 238
	81005020	н	BRAZOS-COLORADO	BRAZORIA	020	13		None	GULF COAST AQUIFER	02015	н	BRAZOS-COLORADO	BRAZORIA	13	020	204	202	198	194	187 179
LIVESTOCK 08100	81005020	н	BRAZOS-COLORADO	BRAZORIA	020	13		None	LIVESTOCK LOCAL SUPPLY	99713020	н	BRAZOS-COLORADO	BRAZORIA	13	020	200	202	206	210	217 225
	81001020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	Н	BRAZOS	BRAZORIA	12	020	202	202	202	202	202 202
	81001020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	H	BRAZOS	BRAZORIA	12	020	48	48	48	49	69 49
	81001020 81001020	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020	11	325	GULF COAST WATER AUTHORITY GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461105357A 3461205322B	н	SAN JACINTO-BRAZOS BRAZOS	BRAZORIA FORT BEND	11 12	020 079	13541	13541	13541	13541	13541 13541 11457 11457
	81001020 81001020	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020	11	325 325	GULF COAST WATER AUTHORITY GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	3461205322B 3461205168	н	BRAZOS BRAZOS	FORT BEND FORT BEND	12	079 079	11457	11457	11457	11457	11457 11457 11201 11201
	81001020	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	3461205168	н	BRAZOS	FORT BEND	12	079	8811	8811	8811	8811	8811 8811
	81001020	н	BRAZOS	BRAZORIA	020	12	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	н	BRAZOS	BRAZORIA	12	020	288	288	288	287	267 287
	81001020	Н	BRAZOS	BRAZORIA	020	12	237200	THE DOW CHEMICAL CO.	BRAZOS RIVER RUN-OF-RIVER	3461205328B	Н	BRAZOS	BRAZORIA	12	020	137475	137475	137475	137475	137475 137475
	81001020	Н	BRAZOS	BRAZORIA	020	12		None	GULF COAST AQUIFER	02015	Н	BRAZOS	BRAZORIA	12	020	4818	4380	3900	3453	2952 2413
	81001020	Н	BRAZOS	BRAZORIA	020	12	331	BRAZOS RIVER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	120E0	G	BRAZOS	RESERVOIR BRAZORIA	12	000	16000	16000	16000	16000	16000 16000
	81001020 81001020	н	BRAZOS-COLORADO BRAZOS-COLORADO	BRAZORIA BRAZORIA	020 020	13 13		None None	SAN BERNARD RIVER RUN-OF-RIVER SAN BERNARD RIVER RUN-OF-RIVER	3461303421 3461303423	H	BRAZOS-COLORADO BRAZOS-COLORADO	BRAZORIA BRAZORIA	13	020 020	8519 3500	8519 3500	8519 3500	8519 3500	8519 8519 3500 3500
	80721000	н	SAN JACINTO-BRAZOS	BRAZORIA	020	13		None	GULF COAST AQUIFER	02015	н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	526	511	496	480	470 470
	81003020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER  GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	624	624	624	624	565 498
MINING 08100	81003020	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	OTHER LOCAL SUPPLY	99911020	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	305	305	305	305	305 305
	81003020	Н	BRAZOS	BRAZORIA	020	12		None	GULF COAST AQUIFER	02015	Н	BRAZOS	BRAZORIA	12	020	28	20	15	11	9 7
	81003020	Н	BRAZOS	BRAZORIA	020	12		None	OTHER LOCAL SUPPLY	99912020	Н	BRAZOS	BRAZORIA	12	020	190	190	190	190	190 190
	81003020	Н	BRAZOS-COLORADO	BRAZORIA	020	13		None	GULF COAST AQUIFER	02015	H	BRAZOS-COLORADO	BRAZORIA	13	020	1440	1440	1440	1440	1440 1440
	81003020 84294000	H	BRAZOS-COLORADO SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	020 020	13		None None	OTHER LOCAL SUPPLY GUI F COAST ADUIFER	99913020 02015	H	BRAZOS-COLORADO SAN JACINTO-BRAZOS	BRAZORIA BRAZORIA	13	020 020	1124 386	1124 386	1124 386	1124 386	1124 1124 386 386
	184294000 184294000	Н	BRAZOS-COLORADO	BRAZORIA	020	11		None None	GULF COAST AQUIFER GULF COAST AQUIFER	02015	H	BRAZOS-COLORADO	BRAZORIA BRAZORIA	11	020	386 47	386 47	386 47	386 47	386 386 47 47
	80730000	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	н	BRAZOS	BRAZORIA	12	020	106	106	106	106	106 106
	80730000	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	26	26	26	26	26 26

Table 3G.1
Current Water Supplies Available to Region H by City and Category

PEARLAND	080457000	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205322B	Н	BRAZOS	FORT BEND	12	079	9071	9097	9108	9114	9121	9127
PEARLAND	080457000	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND	12	079	6041	6058	6066	6070	6074	6078
PEARLAND	080457000	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	540	541	542	542	543	543
RICHWOOD	080501000	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11	2000	BRAZOSPORT WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205366	Н	BRAZOS	BRAZORIA	12	020	263	263	263	263	263	263
RICHWOOD	080501000	Н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	22	22	22	22	22	22
SOUTHWEST UTILITIES	084343000	н	SAN JACINTO-BRAZOS	BRAZORIA	020	11		None	GULF COAST AQUIFER	02015	Н	SAN JACINTO-BRAZOS	BRAZORIA	11	020	71	71	71	71	71	71
SURFSIDE BEACH	080967000	Н	BRAZOS	BRAZORIA	020	12		None	GULF COAST AQUIFER	02015	Н	BRAZOS	BRAZORIA	12	020	168	168	168	168	168	168
SWEENY	080590000	Н	BRAZOS-COLORADO	BRAZORIA	020	13		None	GULF COAST AQUIFER	02015	Н	BRAZOS-COLORADO	BRAZORIA	13	020	606	606	606	606	606	606
VARNER CREEK UD	084370000	Н	BRAZOS	BRAZORIA	020	12		None	GULF COAST AQUIFER	02015	Н	BRAZOS	BRAZORIA	12	020	359	359	359	359	359	359
WEST COLUMBIA	080640000	Н	BRAZOS	BRAZORIA	020	12		None	GULF COAST AQUIFER	02015	Н	BRAZOS	BRAZORIA	12	020	481	457	434	413	395	385
WEST COLUMBIA	080640000	Н	BRAZOS-COLORADO	BRAZORIA	020	13		None	GULF COAST AQUIFER	02015	Н	BRAZOS-COLORADO	BRAZORIA	13	020	92	88	84	79	76	74
ANAHUAC	080015000	Н	NECHES-TRINITY	CHAMBERS	036	07	150	NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	3460804279B	Н	TRINITY	CHAMBERS	08	036	858	858	857	857	856	857
ANAHUAC	080015000	Н	TRINITY	CHAMBERS	036	08	150	NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	3460804279B	Н	TRINITY	CHAMBERS	08	036	247	247	248	248	249	248
BAYTOWN	080042000	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	10115	Н	TRINITY-SAN JACINTO	HARRIS	09	101	57	57	57	57	57	57
BAYTOWN	080042000	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09	15	BAYTOWN AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	821	891	950	996	1040	1084
BEACH CITY	080822000	Н	TRINITY	CHAMBERS	036	80		None	GULF COAST AQUIFER	03615	Н	TRINITY	CHAMBERS	08	036	7	7	7	7	7	7
BEACH CITY	080822000	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	82	82	82	82	82	82
COUNTY-OTHER	080757036	Н	NECHES-TRINITY	CHAMBERS	036	07		None	GULF COAST AQUIFER	03615	Н	NECHES-TRINITY	CHAMBERS	07	036	2	2	2	2	2	2
COUNTY-OTHER	080757036	Н	TRINITY	CHAMBERS	036	08		None	GULF COAST AQUIFER	03615	Н	TRINITY	CHAMBERS	08	036	44	40	37	35	33	32
COUNTY-OTHER	080757036	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	49	45	40	35	32	29
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	GULF COAST AQUIFER	03615	н	NECHES-TRINITY	CHAMBERS	07	036	3890	3884	3880	3879	3876	3876
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3460704287	н	NECHES-TRINITY	CHAMBERS	07	036	2528	2528	2528	2528	2528	2528
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3460704293	н	NECHES-TRINITY	CHAMBERS	07	036	1626	1626	1626	1626	1626	1626
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3460704304B	н	NECHES-TRINITY	CHAMBERS	07	036	1997	1997	1997	1997	1997	1997
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3410704290	н	NECHES-TRINITY	CHAMBERS	07	036	1037	1037	1037	1037	1037	1037
IRRIGATION	081004036	Н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3410704291	Н	NECHES-TRINITY	CHAMBERS	07	036	1078	1078	1078	1078	1078	1078
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3410704295	Н	NECHES-TRINITY	CHAMBERS	07	036	1195	1195	1195	1195	1195	1195
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3410704299	Н.	NECHES-TRINITY	CHAMBERS	07	036	1173	1173	1173	1173	1173	1173
IRRIGATION	081004036	Н.	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3410704306	Н.	NECHES-TRINITY	CHAMBERS	07	036	1818	1818	1818	1818	1818	1818
IRRIGATION	081004036	H	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3410704300	Н.	NECHES-TRINITY	CHAMBERS	07	036	2072	2072	2072	2072	2072	2072
IRRIGATION	081004036	Н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3460704304	Н	NECHES-TRINITY	CHAMBERS	07	036	2663	2663	2663	2663	2663	2663
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3410705016	H	NECHES-TRINITY	CHAMBERS	07	036	1012	1012	1012	1012	1012	1012
IRRIGATION	081004036	H	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER NECHES-TRINITY RIVER RUN-OF-RIVER	3410705016	H	NECHES-TRINITY	CHAMBERS	07	036	1012 573	1012 573	1012 573	1012 573	1012 573	1012 573
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER NECHES-TRINITY RIVER RUN-OF-RIVER	3460704294	н	NECHES-TRINITY	CHAMBERS	07	036	805	805	805	805	805	805
IRRIGATION	081004036	н	NECHES-TRINITY NECHES-TRINITY	CHAMBERS	036	07		None None	NECHES-TRINITY RIVER RUN-OF-RIVER NECHES-TRINITY RIVER RUN-OF-RIVER	3460704300	н	NECHES-TRINITY NECHES-TRINITY	CHAMBERS	07	036	771	771	771	771	771	771
IRRIGATION	081004036	н	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3460704308	н	NECHES-TRINITY	CHAMBERS	07	036	711	711	711	711	711	711
IRRIGATION	081004036	H	NECHES-TRINITY	CHAMBERS	036	07		None	NECHES-TRINITY RIVER RUN-OF-RIVER	3460704309	H	NECHES-TRINITY	CHAMBERS	07	036	691	691	691	691	691	691
IRRIGATION				CHAMBERS		07							CHAMBERS								
	081004036	H	NECHES-TRINITY		036	07	150	NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	3460804279B	н	TRINITY		08	036	40000	40000	40000	40000	40000	40000
IRRIGATION	081004036	Н	NECHES-TRINITY	CHAMBERS	036		140	LOWER NECHES VALLEY AUTHORITY	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	060A0		NECHES	RESERVOIR	06	000	38000	38000	38000	38000	38000	38000
IRRIGATION	081004036	Н	NECHES-TRINITY	CHAMBERS	036	07	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	16818	16552	16370	16170	15941	15669
IRRIGATION	081004036	н	TRINITY	CHAMBERS	036	08		None	GULF COAST AQUIFER	03615	н	TRINITY	CHAMBERS	08	036	5688	5464	5330	5207	5089	4988
IRRIGATION	081004036	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	530	509	472	439	409	379
IRRIGATION	081004036	н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	3460903918	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	976	976	976	976	976	976
IRRIGATION	081004036	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	3460903924	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	1209	1209	1209	1209	1209	1209
LIVESTOCK	081005036	Н	NECHES-TRINITY	CHAMBERS	036	07		None	GULF COAST AQUIFER	03615	Н	NECHES-TRINITY	CHAMBERS	07	036	16	16	16	16	16	15
LIVESTOCK	081005036	Н	NECHES-TRINITY	CHAMBERS	036	07		None	LIVESTOCK LOCAL SUPPLY	99707036	Н	NECHES-TRINITY	CHAMBERS	07	036	317	317	317	317	317	318
LIVESTOCK	081005036	Н	TRINITY	CHAMBERS	036	08		None	GULF COAST AQUIFER	03615	Н	TRINITY	CHAMBERS	08	036	10	10	10	10	9	9
LIVESTOCK	081005036	Н	TRINITY	CHAMBERS	036	08		None	LIVESTOCK LOCAL SUPPLY	99708036	Н	TRINITY	CHAMBERS	08	036	50	50	50	50	51	51
LIVESTOCK	081005036	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	21	20	18	17	16	15
LIVESTOCK	081005036	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	LIVESTOCK LOCAL SUPPLY	99709036	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	48	49	51	52	53	54
MANUFACTURING	081001036	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	3538	3538	3538	3538	3538	3538
MINING	081003036	Н	NECHES-TRINITY	CHAMBERS	036	07		None	GULF COAST AQUIFER	03615	Н	NECHES-TRINITY	CHAMBERS	07	036	30	30	30	30	30	30
MINING	081003036	Н	NECHES-TRINITY	CHAMBERS	036	07		None	OTHER LOCAL SUPPLY	99907036	Н	NECHES-TRINITY	CHAMBERS	07	036	505	505	505	505	505	505
MINING	081003036	Н	TRINITY	CHAMBERS	036	08		None	GULF COAST AQUIFER	03615	Н	TRINITY	CHAMBERS	08	036	4907	4907	4907	4907	4907	4907
MINING	081003036	Н	TRINITY	CHAMBERS	036	08		None	OTHER LOCAL SUPPLY	99908036	Н	TRINITY	CHAMBERS	08	036	18989	18989	18989	18989	18989	18989
MINING	081003036	Н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	2561	2561	2561	2511	2440	2341
MINING	081003036	н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	OTHER LOCAL SUPPLY	99909036	н	TRINITY-SAN JACINTO	CHAMBERS	09	036	4722	4722	4722	4672	4601	4502
MONT BELVIEU	080413000	н	TRINITY	CHAMBERS	036	08		None	GULF COAST AQUIFER	03615	н	TRINITY	CHAMBERS	08	036	116	116	116	116	116	116
MONT BELVIEU	080413000	н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	н	TRINITY-SAN JACINTO	CHAMBERS	09	036	94	94	94	94	94	94
OLD RIVER-WINFREE	080727000	Н	TRINITY	CHAMBERS	036	08		None	GULF COAST AQUIFER	03615	Н	TRINITY	CHAMBERS	08	036	34	34	35	35	35	35
STEAM ELECTRIC POWER	081002036	н	TRINITY-SAN JACINTO	CHAMBERS	036	09		None	GULF COAST AQUIFER	03615	Н	TRINITY-SAN JACINTO	CHAMBERS	09	036	1330	1018	1104	1208	1332	1468
STEAM ELECTRIC POWER	081002036	н	TRINITY-SAN JACINTO	CHAMBERS	036	09	398300	TEXAS GENCO	TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	3460903926	Н.	TRINITY-SAN JACINTO	CHAMBERS	09	036	30000	30000	30000	30000	30000	30000
DISTRICT	084362000	Н	NECHES-TRINITY	CHAMBERS	036	07	150	NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	3460804279B	Н	TRINITY	CHAMBERS	08	036	2527	2526	2527	2527	2527	2527
DISTRICT	084362000	н	NECHES-TRINITY	CHAMBERS	036	07	140	LOWER NECHES VALLEY AUTHORITY	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	060A0	i	NECHES	RESERVOIR	06	000	421	479	547	623	709	807
DISTRICT	084362000	н	TRINITY	CHAMBERS	036	08	150	NAVIGATIONAL DISTRICT	TRINITY RIVER RUN-OF-RIVER	3460804279B	н	TRINITY	CHAMBERS	08	036	1156	1157	1156	1156	1156	1156
DISTRICT	084362000	н	TRINITY	CHAMBERS	036	08	140	LOWER NECHES VALLEY AUTHORITY	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	060A0	- 1	NECHES	RESERVOIR	06	000	192	219	249	284	324	370
ARCOLA	080998000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	185	156	99	78	60	51
BEASLEY	081012000	н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND	12	079	3	3	3	3	3	3
BEASLEY	081012000	н	BRAZOS-COLORADO	FORT BEND	079	13		None	GULF COAST AQUIFER	07915	Н	BRAZOS-COLORADO	FORT BEND	13	079	84	84	84	84	84	84
COUNTY-OTHER	080757079	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND	10	079	57	34	47	57	57	57
COUNTY-OTHER	080757079	н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н.	SAN JACINTO-BRAZOS	FORT BEND	11	079	230	166	77	230	230	230
COUNTY-OTHER	080757079	H	SAN JACINTO-BRAZOS	FORT BEND	079	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н.	BRAZOS	FORT BEND	12	079	73	73	73	73	73	73
COUNTY-OTHER	080757079	Н.	BRAZOS	FORT BEND	079	12		None None	GULF COAST AQUIFER	07915	н	BRAZOS	FORT BEND	12	079	907	323	921	1304	1304	1304
COUNTY-OTHER	080757079	Н	BRAZOS-COLORADO	FORT BEND	079	13		None	GULF COAST AQUIFER  GULF COAST AQUIFER	07915	Н	BRAZOS-COLORADO	FORT BEND	13	079	221	67	177	221	313	334
FAIRCHII DS	081019000	н	BRAZOS COLORADO	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	н	BRAZOS-COLORADO BRAZOS	FORT BEND	12	079	135	135	135	135	135	135
FIRST COLONY MUD #9	084113000	H	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	H	BRAZOS	FORT BEND	12	079	463	418	278	270	255	241
FORT BEND COUNTY MUD #108		Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND	12	079	463 322	418 281		171	156	143
FORT BEND COUNTY MUD #108		н	BRAZOS BRAZOS	FORT BEND	079	12		None None	GULF COAST AQUIFER GULF COAST AQUIFER	07915	H	BRAZOS BRAZOS	FORT BEND	12	079	322 195	281 169	182	1/1	156 93	143
FORT BEND COUNTY MUD #108		н	BRAZOS BRAZOS	FORT BEND	079	12		None None	GULF COAST AQUIFER	07915	н	BRAZOS BRAZOS	FORT BEND	12	079	195 259	169 226	109	102	93 126	115
FORT BEND COUNTY MUD #111 FORT BEND COUNTY MUD #23		н	BRAZOS SAN JACINTO-BRAZOS	FORT BEND	079	12		None None		07915	H	BRAZOS SAN JACINTO-BRAZOS	FORT BEND	12	079	2.00					
FORT BEND COUNTY MUD #23 FORT BEND COUNTY MUD #25		н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	FORT BEND FORT BEND	079	11		None None	GULF COAST AQUIFER	07915 07915	H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	FORT BEND FORT BEND	11	079	654 727	725 800	418 624	255 496	148 377	101
									GULF COAST AQUIFER												324
FORT BEND COUNTY MUD #67	084126000	H	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND	12	079	276	240	155	145	133	122
FORT BEND COUNTY MUD #68		Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	н	BRAZOS	FORT BEND	12	079	201	176	114	107	98	89
FORT BEND COUNTY MUD #69		H	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	H	BRAZOS	FORT BEND	12	079	159	141	91	85	78	71
FORT BEND COUNTY MUD #81		Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND	12	079	257	257	256	240	219	201
FULSHEAR	080869000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		NFBWA	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	97	96	69	57	45	40
FULSHEAR	080869000	Н	BRAZOS	FORT BEND	079	12		NFBWA	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND	12	079	46	51	42	40	38	36
HOUSTON	080285000	Н	SAN JACINTO	FORT BEND	079	10	396201	COH)	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	4068	4667	5386	6136	7166	8391
HOUSTON	080285000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11	396200	CITY OF HOUSTON	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	1309	1178	784	623	474	407
HOUSTON	080285000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11	396201	COH)	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	1548	2099	2998	3687	4559	5486
IRRIGATION	081004079	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND	10	079	7538	7538	7538	7538	7538	7538
IRRIGATION	081004079	н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	8093	8093	8093	8093	8093	8093
IKKIGATION																					

Table 3G.1
Current Water Supplies Available to Region H by City and Category

IRRIGATION	081004079	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		79 214		2143			2143
IRRIGATION	081004079	н	BRAZOS	FORT BEND	079	12		None	BRAZOS RIVER ALLUVIUM AQUIFER	07905	Н	BRAZOS	FORT BEND		79 1790		17907			17907
IRRIGATION	081004079	Н	BRAZOS	FORT BEND	079	12	398300	TEXAS GENCO	BRAZOS RIVER RUN-OF-RIVER	3461205320	Н	BRAZOS	FORT BEND		79 1200		12000			12000
IRRIGATION	081004079	Н	BRAZOS-COLORADO	FORT BEND	079	13		None	GULF COAST AQUIFER	07915	Н	BRAZOS-COLORADO	FORT BEND		79 1886	18869	18869	18869	18763	18500
KATY	080312000	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS		101 299		78	79	79	79
KENDLETON	KENDLETON		BRAZOS-COLORADO	FORT BEND	079	13		None	GULF COAST AQUIFER	07915	Н	BRAZOS-COLORADO	FORT BEND		079 151		151	151	151	151
LIVESTOCK	081005079	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND		79 57		23	23	23	23
LIVESTOCK	081005079	Н	SAN JACINTO	FORT BEND	079	10		None	LIVESTOCK LOCAL SUPPLY	99710079	Н	SAN JACINTO	FORT BEND		13		47	47	47	47
LIVESTOCK	081005079	Н	SAN JACINTO-BRAZOS	FORT BEND	079	- 11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND		79 135	101	60	60	60	60
LIVESTOCK	081005079	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	LIVESTOCK LOCAL SUPPLY	99711079	Н	SAN JACINTO-BRAZOS	FORT BEND		079 64		139	139	139	139
LIVESTOCK	081005079	Н	BRAZOS	FORT BEND	079	12		None	BRAZOS RIVER ALLUVIUM AQUIFER	07905	Н	BRAZOS	FORT BEND		79 691	484	276	276	276	276
LIVESTOCK	081005079	Н	BRAZOS	FORT BEND	079	12		None	LIVESTOCK LOCAL SUPPLY	99712079	Н	BRAZOS	FORT BEND		079	207	415	415	415	415
LIVESTOCK	081005079	Н	BRAZOS-COLORADO	FORT BEND	079	13		None	GULF COAST AQUIFER	07915	Н	BRAZOS-COLORADO	FORT BEND		79 211		211	211	211	211
MANUFACTURING	081001079	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND		79 991	766	869	771	736	717
MANUFACTURING	081001079	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND		79 167		823	653	497	427
MANUFACTURING	081001079	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11	380	FORT BEND CO. WCID 1	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461105170	Н	SAN JACINTO-BRAZOS	FORT BEND		79 100	1000	1000	1000	1000	1000
MANUFACTURING	081001079	Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	RESERVOIR	12	000 411	380	255	239	219	200
MANUFACTURING	081001079	Н	BRAZOS	FORT BEND	079	12	331	BRAZOS RIVER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	120E0	G	BRAZOS	FORT BEND	12	79 400	400	400	400	400	400
MEADOWS	080792000	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND		79 944	683	741	658	627	612
MEADOWS	080792000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	н	SAN JACINTO-BRAZOS	FORT BEND	11 (	79 86	66	38	30	23	20
MINING	081003079	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND	10	079 140	105	117	104	99	96
MINING	081003079	Н	SAN JACINTO	FORT BEND	079	10		None	OTHER LOCAL SUPPLY	99910079	Н	SAN JACINTO	FORT BEND	10	79 8	8	8	8	8	8
MINING	081003079	н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079 904	723	422	335	255	219
MINING	081003079	н	SAN JACINTO-BRAZOS	FORT BEND	079	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND	12	079 517	517	517	517	517	517
MINING	081003079	н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND	12	79 206	206	206	206	206	206
MINING	081003079	н	BRAZOS-COLORADO	FORT BEND	079	13		None	GULF COAST AQUIFER	07915	Н	BRAZOS-COLORADO	FORT BEND		079 140		140	140	140	140
MISSOURI CITY	080409000	н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	н	SAN JACINTO	FORT BEND		79 128		1289	1289	1289	1271
MISSOURI CITY	080409000	Н	SAN JACINTO	FORT BEND	079	10	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		079 31	31	31	31	31	31
MISSOURI CITY	080409000	н	SAN JACINTO	FORT BEND	079	10	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	н	BRAZOS	FORT BEND		79 152		1537	1540	1537	1548
MISSOURI CITY	080409000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND	11 (	79 534	5197	3583	2845	2163	1859
MISSOURI CITY	080409000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		79 32	32	32	32	32	32
MISSOURI CITY	080409000	н	SAN JACINTO-BRAZOS	FORT BEND	079	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		079 691:		6957	6970	6960	7005
MISSOURI CITY	080409000	BRAZOS	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	н	BRAZOS	FORT BEND		79 105	105	88	83	76	69
MISSOURI CITY	080409000	Н	BRAZOS	FORT BEND	079	12	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н.	BRAZOS	FORT BEND		79 24	24	24	24	24	24
MISSOURI CITY	080409000	Н.	BRAZOS	FORT BEND	079	12	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н.	BRAZOS	FORT BEND		79 186		187	188	188	189
NEEDVILLE	080428000	Н.	BRAZOS	FORT BEND	079	12	525	None None	GULF COAST AQUIFER	07915	Н.	BRAZOS	FORT BEND		79 68	68	68	68	68	68
NEEDVILLE	080428000	- 11	BRAZOS-COLORADO	FORT BEND	079	13		None	GULF COAST AQUIFER	07915	Н	BRAZOS-COLORADO	FORT BEND		079 250	250	250	250	250	250
NFBWA	NFBWA		BRAZOS	FORT BEND	079	12		NFBWA	GULF COAST AQUIFER  GULF COAST AQUIFER	07915	Н	BRAZOS COLORADO BRAZOS	FORT BEND		779 250		1281	1281	1281	1281
NFBWA	NFBWA		SAN JACINTO	FORT BEND	079	10		NFBWA	GULF COAST AQUIFER  GULF COAST AQUIFER	07915	H	SAN JACINTO	RESERVOIR				5.968			7.019
NFBWA	NFBWA		SAN JACINTO SAN JACINTO	FORT BEND	079	10		NFBWA	LIVINGSTON-WALLISVILLE SYSTEM	07915 084H0	H	TRINITY	FORT BEND		000 11,62	16576	17770			7,019 19221
NERWA	NERWA		SAN JACINTO	FORT BEND	079	11		NEBWA	GULF COAST AQUIFER	07915	н	SAN JACINTO-BRAZOS	RESERVOIR		000 8.62		6,669			8.629
NFBWA NFBWA	NERWA	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	FORT BEND	079	11		NEBWA NEBWA		07915 084H0	н	SAN JACINTO-BRAZOS TRINITY	FORT BEND		000 8,62	966	707	8,568 550	8,629 443	8,629 361
									LIVINGSTON-WALLISVILLE SYSTEM									550		
ORBIT SYSTEMS INC	084294000	н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND		79 7	6	3	3	2	2
PECAN GROVE MUD#1	084299000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	RESERVOIR		000 280		129	102	78	67
PECAN GROVE MUD#1	084299000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11	331	BRAZOS RIVER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	120E0	Н	BRAZOS	FORT BEND		079 651		651	651	651	651
PECAN GROVE MUD #1	084299000	Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	RESERVOIR		000 765		444	416	380	348
PECAN GROVE MUD#1	084299000	Н	BRAZOS	FORT BEND	079	12	331	BRAZOS RIVER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	120E0	Н	BRAZOS	FORT BEND		079 245	2.00	2450	2450	2450	2450
PLANTATION MUD	084303000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND		079 262	199	113	90	68	59
PLEAK	081053000	Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND		079 547		547	547	547	547
RICHMOND	080500000	н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	RESERVOIR		000 675		446	418	383	351
RICHMOND	080500000	н	BRAZOS	FORT BEND	079	12	331	BRAZOS RIVER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	120E0	G	BRAZOS	FORT BEND		79 300		3000	3000	3000	3000
ROSENBERG	080518000	н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	RESERVOIR		000 171		1505	1507	1466	1409
ROSENBERG	080518000	Н	BRAZOS	FORT BEND	079	12	331	BRAZOS RIVER AUTHORITY	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	120E0	G	BRAZOS	FORT BEND		79 450		4500	4500	4500	4500
SIENNA PLANTATION MUD #2	084334000	н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND		79 486	436	251	200	152	131
SIMONTON	081062000	Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND		79 139	139	139	139	139	139
STAFFORD	080577000	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND		79 167		222	197	188	183
STAFFORD	080577000	Н	SAN JACINTO	FORT BEND	079	10	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		79 116	1180	1182	1185	1186	1188
STAFFORD	080577000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND		79 639	654	480	381	290	249
STAFFORD	080577000	H	SAN JACINTO-BRAZOS	FORT BEND	079	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	н	BRAZOS	FORT BEND		79 487		4962	4969	4975	4980
STEAM ELECTRIC POWER	081002079	Н	BRAZOS	FORT BEND	079	12	398300	TEXAS GENCO	BRAZOS RIVER RUN-OF-RIVER	3461205320	Н	BRAZOS	FORT BEND		79 850	8500	8500	8500	8500	8500
STEAM ELECTRIC POWER	081002079	H	BRAZOS	FORT BEND	079	12	398300	TEXAS GENCO	BRAZOS RIVER RUN-OF-RIVER	3461205325	н	BRAZOS	FORT BEND	12	79 2871	28711	28711	28711	28711	28711
STEAM ELECTRIC POWER	081002079	Н	BRAZOS	FORT BEND	079	12		None	GULF COAST AQUIFER	07915	Н	BRAZOS	RESERVOIR		000 2195		15094	14150		11854
STEAM ELECTRIC POWER	081002079	Н	BRAZOS	FORT BEND	079	12	398300	TEXAS GENCO	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	120E0	G	BRAZOS	FORT BEND		79 8300		83000			83000
SUGAR LAND	080585000	Н	SAN JACINTO	FORT BEND	079	10		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO	FORT BEND		079 412		409	363	346	338
SUGAR LAND	080585000	Н	SAN JACINTO	FORT BEND	079	10	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		79 509	509	509	509	509	509
SUGAR LAND	080585000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11		None	GULF COAST AQUIFER	07915	Н	SAN JACINTO-BRAZOS	FORT BEND		79 514		2864	2274	1729	1489
SUGAR LAND	080585000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	- 11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		79 694		6942	6942	6942	6942
SUGAR LAND	080585000	Н	SAN JACINTO-BRAZOS	FORT BEND	079	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		79 30	30	30	30	30	30
SUGAR LAND	080585000	Н	BRAZOS	FORT BEND	079	12	T	None	GULF COAST AQUIFER	07915	Н	BRAZOS	FORT BEND		79 273		1918	1798	1645	1506
SUGAR LAND	080585000	Н	BRAZOS	FORT BEND	079	12	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	FORT BEND		79 508:		5082	5082	5082	5082
WHCRWA	088002000	Н	SAN JACINTO	FORT BEND	079	10		WHCRWA	GULF COAST AQUIFER	07915	Н	SAN JACINTO	RESERVOIR		000 1,60		1,605	1,488	1,311	1,171
WHCRWA	088002000	н	SAN JACINTO	FORT BEND	079	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	FORT BEND		79 123		924	1080	1266	1447
BACLIFF MUD	084012000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	GALVESTON		137		1373	1373	1373	1373
BAYOU VISTA	080759000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	T	None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND		79 43		43	43	43	43
BAYOU VISTA	080759000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	RESERVOIR		000 519		519	519	519	519
BOLIVAR PENINSULAR SUD		Н	NECHES-TRINITY	GALVESTON	084	07	140	LOWER NECHES VALLEY AUTHORITY	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	060A0		NECHES	GALVESTON		084 554		5449	5399	5349	5299
CLEAR LAKE SHORES	080764000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND		79 28	28	28	28	28	28
CLEAR LAKE SHORES	080764000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	RESERVOIR	12 (	000 155	155	155	155	155	155
COUNTY-OTHER	080757084	н	NECHES-TRINITY	GALVESTON	084	07	140	LOWER NECHES VALLEY AUTHORITY	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	060A0	- 1	NECHES	GALVESTON		384 1	1	1	1	1	1
COUNTY-OTHER	080757084	н	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND	11 (	79 110	95	85	80	76	75
COUNTY-OTHER	080757084	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	RESERVOIR		000 275		275	275	275	275
COUNTY-OTHER	080757084	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	GALVESTON		384 1847	7 18477	18477	18477	18477	18477
DICKINSON	080165000	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	316325	GALVESTON COUNTY WCID #1	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND	11 (	79 309	309	309	309	309	309
DICKINSON	080165000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	316325	GALVESTON COUNTY WCID #1	BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	BRAZOS	GALVESTON		084 209	2091	2091	2091	2091	2091
FRIENDSWOOD	080219000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	RESERVOIR	11 (	000 649	649	649	649	649	649
FRIENDSWOOD	080219000	н	SAN JACINTO-BRAZOS	GALVESTON	084	- 11	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	GALVESTON		384 509	5231	5299	5325	5343	5356
GALVESTON	080227000	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	T	None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND	11 (	79 161	1590	1571	1552	1539	1539
		Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	316200	CITY OF GALVESTON	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	GALVESTON		384 2421	7 24217	24217	24217	24217	24217
	080227000																			
GALVESTON	080227000 1 084135000	н									н	SAN JACINTO-BRAZOS	FORT REND	11 '	79 43	43			43	43
	1 084135000	H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON GALVESTON	084 084	11	316200	None CITY OF GALVESTON	GULF COAST AQUIFER	08415 3461205168	H	SAN JACINTO-BRAZOS BRAZOS	FORT BEND FORT BEND		079 43 079 529	43 604	43 648	43	43 682	43 691
GALVESTON GALVESTON COUNTY MUD #1 GALVESTON COUNTY MUD #1	1 084135000 1 084135000	H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON GALVESTON	084 084	11 11	316200	None CITY OF GALVESTON	GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER	08415 3461205168	Н	BRAZOS	FORT BEND	12	079 529	604	43 648	43 667	682	691
GALVESTON GALVESTON COUNTY MUD #1	1 084135000 1 084135000	H H H	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	GULF COAST AQUIFER	08415				12 (		604	43	43		

Table 3G.1
Current Water Supplies Available to Region H by City and Category

HITCHCOCK	080279000	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	GALVESTON	12	084	1731	1731	1731	1731		1731
IRRIGATION	081004084	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	90	424	441	441		441
IRRIGATION	081004084	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	GALVESTON	12	084	142	142	142	142		142
JAMAICA BEACH JAMAICA BEACH	080886000	H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON	084 084	11		None CITY OF GALVESTON	GULF COAST AQUIFER	08415 3461205168	H	SAN JACINTO-BRAZOS BRAZOS	FORT BEND GALVESTON	11	079 084	30 372	30 430	30	30 480		30
JAMAICA BEACH KEMAH	080886000	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON GALVESTON	084	11	316200	CITY OF GALVESTON None	BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER	3461205168 08415	н	SAN JACINTO-BRAZOS	FORT REND	12	084	28	430 28	463 28	480 28		498 28
KEMAH	080316000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	GALVESTON	12	084	64	64	64	64		64
LA MARQUE	080342000	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	OLO .	None	GULF COAST AQUIFER	08415	н	SAN JACINTO-BRAZOS	FORT BEND	11	079	216	212	207	202		199
LA MARQUE	080342000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	GALVESTON	12	084	3207	3207	3207	3207		3207
LEAGUE CITY	080350000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	748	748	748	748		748
LEAGUE CITY	080350000		SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	FORT BEND	12	079	13	13	13	13		13
LEAGUE CITY	080350000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	FORT BEND	12	079	2287	2287	2287	2287		2287
LEAGUE CITY LIVESTOCK	080350000 081005084	Н	SAN JACINTO-BRAZOS	GALVESTON GALVESTON	084 084	11 07	316325	GALVESTON COUNTY WCID #1	BRAZOS RIVER RUN-OF-RIVER	3461205171 08415	H	BRAZOS NECHES-TRINITY	GALVESTON	12	084 084	1120 16	1120	1120 16	1120		1120
LIVESTOCK	081005084	н	NECHES-TRINITY SAN JACINTO-BRAZOS	GALVESTON	084	11		None None	GULF COAST AQUIFER GULF COAST AQUIFER	08415	H	SAN JACINTO-BRAZOS	GALVESTON GALVESTON	07 11	084	16 3	16 13	16	16		13
LIVESTOCK	081005084	н	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	LIVESTOCK LOCAL SUPPLY	99711084	н	SAN JACINTO-BRAZOS	FORT REND	11	079	306	296	280	280		281
MANUFACTURING	081001084	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	3461205168	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	20000	20000				0000
MANUFACTURING	081001084	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	н	BRAZOS	RESERVOIR	12	000	10204	10204	10204	10204	10204 102	0204
MANUFACTURING	081001084	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	120E0	н	BRAZOS	GALVESTON	12	084	38210	38210	38210	38210	38210 382	8210
MINING	081003084	Н	NECHES-TRINITY	GALVESTON	084	07		None	GULF COAST AQUIFER	08415	Н	NECHES-TRINITY	GALVESTON	07	084	14	14	14	14		14
MINING	081003084	Н	NECHES-TRINITY	GALVESTON	084	07		None	OTHER LOCAL SUPPLY	99907084	Н	NECHES-TRINITY	GALVESTON	07	084	106	106	106	106		106
MINING MINING	081003084	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON GALVESTON	084 084	11		None None	GULF COAST AQUIFER	08415 99911084	H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON FORT BEND	11	084	13	13	13	13		13
SAN LEON MUD	081003084	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	OTHER LOCAL SUPPLY BRAZOS RIVER RUN-OF-RIVER	99911084 3461205171	H	SAN JACINTO-BRAZOS BRAZOS	GALVESTON	11	079	2059	2059	2059	2059		2059
SANTA FE	080743000	н	SAN JACINTO-BRAZOS	GALVESTON	084	11	323	None None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	99	99	98	96		96
SANTA FE	080743000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	FORT BEND	12	079	1154	1154	1154	1154		1154
STEAM ELECTRIC POWER	081002084	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	GALVESTON	12	084	2231	2231	2231	2231		2231
TEXAS CITY	080602000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11		None	GULF COAST AQUIFER	08415	Н	SAN JACINTO-BRAZOS	FORT BEND	11	079	648	638	627	614		606
TEXAS CITY	080602000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	FORT BEND	12	079	12016	12016	12016	12016		2016
TEXAS CITY	080602000	Н	SAN JACINTO-BRAZOS	GALVESTON	084	11	316325	GALVESTON COUNTY WCID #1	BRAZOS RIVER RUN-OF-RIVER	3461205171	Н	BRAZOS	GALVESTON	12	084	21	21	21	21		21
TIKI ISLAND TIKI ISLAND	080973000 080973000	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	GALVESTON GALVESTON	084 084	11	005	None GULF COAST WATER AUTHORITY	GULF COAST AQUIFER	08415	H	SAN JACINTO-BRAZOS BRAZOS	FORT BEND HARRIS	11	079 101	24 415	24 415	24 415	24 415		24 415
BAYTOWN	080973000	н	TRINITY-SAN JACINTO	HARRIS	101	09	325	None	BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER	3461205171 10115	Н	TRINITY-SAN JACINTO	RESERVOIR	12 09	000	41b 1053	41b 1053	1053	1053		415 1053
BAYTOWN	080042000	н	TRINITY-SAN JACINTO	HARRIS	101	09	15	BAYTOWN AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	14268	14201	14146	14102		4019
BAYTOWN	080042000	н	SAN JACINTO	HARRIS	101	10	15	BAYTOWN AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	845	842	838	836		831
BELLAIRE	080046000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	734	734	702	706	706 70	706
BELLAIRE	080046000	Н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	1310	1310	1310	1310		1310
COMPANY	084026000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	393	169	92	93		93
BRITMOORE UTILITIES	084036000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	325	165	103	103		103
BUNKER HILL VILLAGE	080085000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	295	295	244	245		245
BUNKER HILL VILLAGE SUBDIVISION	080085000	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10	396200	CITY OF HOUSTON None	LIVINGSTON-WALLISVILLE SYSTEM	084H0 10115	H	TRINITY SAN JACINTO	HARRIS RESERVOIR	08 10	101	635	635	635	635		635
CHCRWA	084043000 CHCRWA	Н	SAN JACINTO SAN JACINTO	HARRIS	101	10		None CHCRWA	GULF COAST AQUIFER GULF COAST AQUIFER	10115	н	SAN JACINTO SAN JACINTO	HARRIS	10	101	310 2775	159 1930	101 963	101 916		101 916
CHCRWA	CHCRWA	н	SAN JACINTO SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	HOUSTON LAKE/RESERVOIR	10030	Н	SAN JACINTO	HARRIS	10	101	2375	2375	2375	2375		2375
CHIMNEY HILL MUD	084053000	н	SAN JACINTO	HARRIS	101	10	UUULUU	None	GULF COAST AQUIFER	10115	Н.	SAN JACINTO	HARRIS	10	101	459	194	103	103		103
CHIMNEY HILL MUD	084053000	Н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	426	426	426	426		426
WOODMEADOWS	084063000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	197	197	197	197		197
WOODMEADOWS	084063000	Н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	1680	1680	1680	1680		1680
CONSUMERS WATER INC	084072000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	273	157	108	109		109
COUNTY-OTHER	080757101	Н	TRINITY-SAN JACINTO	HARRIS	101	09		None BAYTOWN AREA WATER AUTHORITY	GULF COAST AQUIFER	10115 084H0	Н	TRINITY-SAN JACINTO	RESERVOIR	09	000	365	217	129	77		28
COUNTY-OTHER COUNTY-OTHER	080757101 080757101	н	TRINITY-SAN JACINTO TRINITY-SAN JACINTO	HARRIS HARRIS	101	09	15 396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM LIVINGSTON-WALLISVILLE SYSTEM	084H0 084H0	H	TRINITY TRINITY	HARRIS HARRIS	08	101	816 2016	816 2016	816 2016	816 2016		816 2016
COUNTY-OTHER COUNTY-OTHER	080757101	н	SAN JACINTO	HARRIS	101	10	240	SAN JACINTO RIVER AUTHORITY	SAN JACINTO RIVER RUN-OF-RIVER	3461004964	H	SAN JACINTO	HARRIS	10	101	2968	2968	2968	2968		2968
COUNTY-OTHER	080757101	н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER	10115	Н.	SAN JACINTO	FORT BEND	10	079	3835	3835	3835	3835		3835
COUNTY-OTHER	080757101	Н	SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	281	281	281	281		281
COUNTY-OTHER	080757101	н	SAN JACINTO	HARRIS	101	10	325	GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER	3461205171	н	BRAZOS	RESERVOIR	12	000	195	195	195	195	195 19	195
COUNTY-OTHER	080757101	Н	SAN JACINTO	HARRIS	101	10	651900	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	1957	1957	1957	1957		1957
COUNTY-OTHER	080757101	Н	SAN JACINTO	HARRIS	101	10	1095	LA PORTE AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	344	344	344	344		344
COUNTY-OTHER	080757101	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS HARRIS	101	- 11	396200	None	GULF COAST AQUIFER	10115	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	RESERVOIR RESERVOIR	11	000	874 147	298 147	765 147	283 147		267 147
COUNTY-OTHER COUNTY-OTHER	080757101	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS	101	11	1095	CITY OF HOUSTON  LA PORTE AREA WATER AUTHORITY	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	10115 084H0	H	TRINITY	HARRIS	11 08	101	344	344	344	344		344
COUNTY-OTHER	080757101	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS	101	11	651900	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	1403	1403	1403	1403		1403
CROSBY MUD	084078000	Н	SAN JACINTO	HARRIS	101	10	031900	None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	176	176	170	176		176
COMPANY	084081000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	15	8	5	5		5
DEER PARK	080154000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	169	169	143	144	144 14	144
DEER PARK	080154000	Н	SAN JACINTO	HARRIS	101	10	396201	COH)	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	1569	1562	1585	1586		1590
DEER PARK	080154000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO-BRAZOS	HARRIS	11	101	264	264	264	264		264
DEER PARK	080154000 084101000	н	SAN JACINTO-BRAZOS SAN JACINTO	HARRIS HARRIS	101	11	396201	COH)	LIVINGSTON-WALLISVILLE SYSTEM	084H0 10115	H	TRINITY SAN JACINTO	HARRIS RESERVOIR	08	101	2387 456	2394 456	2371 449	2370 451		2366 451
EL DORADO UD		н	SAN JACINTO SAN JACINTO-BRAZOS	HARRIS HARRIS	101	10		None	GULF COAST AQUIFER	10115	H	SAN JACINTO SAN JACINTO-BRAZOS	RESERVOIR HARRIS	10	101	456 53	456 52	449 51	451 50		451 50
EL LAGO EL LAGO	080695000 080695000	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS	101	11	651900	None CITY OF PASADENA	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	10115 084H0	H	TRINITY	HARRIS	11 08	101	203	173	151	133		108
FOUNTAINVIEW SUBDIVISION		Н	SAN JACINTO	HARRIS	101	10	031900	None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	235	117	73	74		74
FRIENDSWOOD	080219000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO-BRAZOS	HARRIS	11	101	206	201	196	190		189
FRIENDSWOOD	080219000	н	SAN JACINTO-BRAZOS	HARRIS	101	11	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	RESERVOIR	08	000	1620	1488	1420	1394		1363
GALENA PARK	080226000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	121	121	103	103		103
GALENA PARK	080226000	Н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	1008	1008	1008	1008		1008
GREEN TRAILS MUD	084143000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	630	311	191	192		192
HARRIS COUNTY FWSD #47		Н	SAN JACINTO	HARRIS	101	10	l	None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	83	82	65	65		65
HARRIS COUNTY FWSD #47 HARRIS COUNTY FWSD #51	084149000 084150000	н	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10 10	607473	NORTH CHANNEL WATER AUTHORITY None	LIVINGSTON-WALLISVILLE SYSTEM	084H0 10115	H	TRINITY SAN JACINTO	HARRIS HARRIS	08 10	101	288 498	288 495	288 404	288 406		<b>288</b> 406
HARRIS COUNTY FWSD #51	084150000	н	SAN JACINTO SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	10115 084H0	н	TRINITY	HARRIS	10 08	101	498 1539	495 1539	1539	1539		406 1539
HARRIS COUNTY FWSD #6	084151000	Н	SAN JACINTO	HARRIS	101	10	00,4,0	None Name WATER ADTHORITY	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	34	34	34	34		34
HARRIS COUNTY FWSD #6	084151000	н	SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	HARRIS	08	101	187	187	187	187		187
HARRIS COUNTY MUD #11	084153000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	286	141	87	87		87
INWOOD NORTH	084154000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	604	276	148	149		149
HARRIS COUNTY MUD #132	084157000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	1207	653	425	428		428
HARRIS COUNTY MUD #151		Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	876	380	208	209		209
HARRIS COUNTY MUD #152	084160000	H	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	542	304	203	204		204
HARRIS COUNTY MUD #153 HARRIS COUNTY MUD #154		н	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10		None None	GULF COAST AQUIFER	10115 10115	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	10 10	101	843 464	501 249	348 160	350 161		350 161
		n n						None	GULF COAST AQUIFER	10115				10				100	101	101 16	
		μ	SAN IACINITO	HADDIC	104	10		None	CHI E COAST ADHEED	10446	4	SAN IACINITO	HAPPIC	10	101	224	170	0.8	98	08 ^-	98
HARRIS COUNTY MUD #158 HARRIS COUNTY MUD #158	084165000	н	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10	396200	None CITY OF HOUSTON	GULF COAST AQUIFER GULF COAST AQUIFER	10115 10115	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	10 10	101 101	334 411	179 411	98 411	98 411		98 411

Table 3G.1
Current Water Supplies Available to Region H by City and Category

HARRIS COUNTY MUD #180	084170000	н	SAN JACINTO	HARRIS	101	10	1	None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	424	222	143	144 1	44 144
HARRIS COUNTY MUD #189		н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н.	SAN JACINTO	HARRIS	10	101	553	291	187		88 188
HARRIS COUNTY MUD #261	084179000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н.	SAN JACINTO	HARRIS	10	101	598	260	143		44 144
HARRIS COUNTY MUD #261	084179000	н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	73	64	65		65 65
HARRIS COUNTY MUD #345	084182000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	974	421	232	234 2	34 234
HARRIS COUNTY MUD #46	084183000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	575	247	134	134 1	34 134
HARRIS COUNTY MUD #5	084184000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	451	193	104	105 1	05 105
HARRIS COUNTY MUD #50	084185000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	122	122	115		15 115
HARRIS COUNTY MUD #50	084185000	Н	SAN JACINTO	HARRIS	101	10	240	SAN JACINTO RIVER AUTHORITY	SAN JACINTO RIVER RUN-OF-RIVER	3461004964	Н	SAN JACINTO	HARRIS	10	101	560	560	560		60 560
HARRIS COUNTY MUD #53	084186000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	380	380	380		180 380
HARRIS COUNTY MUD #53	084186000	Н	SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	836	836	836		36 836
HARRIS COUNTY MUD #55		Н	SAN JACINTO-BRAZOS	HARRIS	101	11	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	3877	3877	3877		877 3877
HARRIS COUNTY MUD #8 HARRIS COUNTY MUD #8	084189000 084189000	Н	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10 10	396200	None CITY OF HOUSTON	GULF COAST AQUIFER	10115 10115	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	10	101 101	137 420	137 420	134 420		34 134 20 420
HARRIS COUNTY MUD #8 HARRIS COUNTY UD #14	084189000	H	SAN JACINTO SAN JACINTO	HARRIS	101	10	396200	None	GULF COAST AQUIFER	10115	H	SAN JACINTO SAN JACINTO	HARRIS	10	101	420	191	113		14 114
HARRIS COUNTY UD #14	084190000	н	SAN JACINTO SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER GULF COAST AQUIFER	10115	н	SAN JACINTO SAN JACINTO	HARRIS	10	101	293	145	89		90 90
HARRIS COUNTY WCID #1	084193000	Н	SAN JACINTO	HARRIS	101	10	-	None	GUI F COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	767	379	233		35 235
HARRIS COUNTY WCID #1	084193000	н	SAN JACINTO	HARRIS	101	10	15	BAYTOWN AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н.	TRINITY	HARRIS	08	101	784	784	784		84 784
HARRIS COUNTY WCID #133		Н	SAN JACINTO	HARRIS	101	10	10	None	GULF COAST AQUIFER	10115	Н.	SAN JACINTO	HARRIS	10	101	518	225	123		24 124
HARRIS COUNTY WCID #21	084196000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	140	140	125		26 126
HARRIS COUNTY WCID #21	084196000	н	SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	HARRIS	08	101	913	913	913		113 913
HARRIS COUNTY WCID #36	084197000	Н	SAN JACINTO	HARRIS	101	10	1	None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	264	264	255	256 2	56 256
HARRIS COUNTY WCID #36	084197001	н	SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	802	802	802	802 8	02 802
HARRIS COUNTY WCID #50	084198000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	59	59	59	59	59 59
HARRIS COUNTY WCID #76	084199000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Η	SAN JACINTO	HARRIS	10	101	203	87	47		47 47
HARRIS COUNTY WCID #84	084200000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	58	58	50		50 50
HARRIS COUNTY WCID #84	084200000	Н	SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	310	310	310		10 310
HEDWIG VILLAGE	080269000	Н	SAN JACINTO	HARRIS	101	10	<b>!</b>	None	GULF COAST AQUIFER	10115	H	SAN JACINTO	RESERVOIR	10	000	163	163	135		35 135
HEDWIG VILLAGE	080269000	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0 10115	H	TRINITY SAN JACINTO	HARRIS HARRIS	08	101	161	154 56	147 31		32 126 31 31
HILLSHIRE VILLAGE HILLSHIRE VILLAGE	081025000	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10	396200	None CITY OF HOUSTON	GULF COAST AQUIFER	10115	н	SAN JACINTO SAN JACINTO	HARRIS HARRIS	10	101	131	117	31 117		31 31 17 117
HILLSHIRE VILLAGE HOUSTON	081025000	п	SAN JACINTO SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER GULF COAST AQUIFER	10115	n P	SAN JACINTO SAN JACINTO	RESERVOIR	10	000	71938	71938	71938		17 117 938 71938
HOUSTON	080285000	Н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	289866	326858	361405		936 71938 4711 475443
HOUSTON	080285000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	12087	14149	16074		1159 22429
HOUSTON	080285000	н	SAN JACINTO-BRAZOS	HARRIS	101	11	159000	CLEAR LAKE CITY WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	HARRIS	08	101	8076	8076	8076		076 8076
HUMBLE	080289000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	2519	1219	735		39 739
HUMBLE	080289000	н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	47	47	47		47 47
HUNTERS CREEK VILLAGE	080290000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	н	SAN JACINTO	RESERVOIR	10	000	343	343	327	329 3	129 329
HUNTERS CREEK VILLAGE	080290000	Н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	339	348	356	364 3	72 379
IRRIGATION	081004101	Н	TRINITY-SAN JACINTO	HARRIS	101	09		None	GULF COAST AQUIFER	10115	Н	TRINITY-SAN JACINTO	HARRIS	09	101	5417	5417	5417	5417 5	417 5417
IRRIGATION	081004101	Н	TRINITY-SAN JACINTO	HARRIS	101	09		None	TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	3460903922	Н	TRINITY-SAN JACINTO	HARRIS	09	101	661	661	661		61 661
IRRIGATION	081004101	Н	TRINITY-SAN JACINTO	HARRIS	101	09		None	TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	3460903923	Н	TRINITY-SAN JACINTO	HARRIS	09	101	694	694	694		94 694
IRRIGATION	081004101	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	9668	9883	9698		757 9757
IRRIGATION	081004101	Н	SAN JACINTO	HARRIS	101	10	240	SAN JACINTO RIVER AUTHORITY	SAN JACINTO RIVER RUN-OF-RIVER	3461004964	Н	SAN JACINTO	HARRIS	10	101	1476	1476	1476		476 1476
JACINTO CITY	080301000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	255	255	233		35 235
JACINTO CITY  JERSEY VILLAGE	080301000	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10 10	396200	CITY OF HOUSTON None	LIVINGSTON-WALLISVILLE SYSTEM GULF COAST AQUIFER	084H0 10115	H	TRINITY SAN JACINTO	HARRIS HARRIS	10	101	1120 1089	1120 564	1120 358		120 1120 161 361
JERSEY VILLAGE	080709000	н	SAN JACINTO SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER GULF COAST AQUIFER	10115	н	SAN JACINTO SAN JACINTO	HARRIS	10	101	840	840	840		40 840
KATY	080709000	H	SAN JACINTO	HARRIS	101	10	350200	None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	3336	3336	750		67 767
LA PORTE	080346000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н.	SAN JACINTO	RESERVOIR	10	000	28	28	27	27	27 27
LA PORTE	080346001	н	SAN JACINTO	HARRIS	101	10	1095	LA PORTE AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н.	TRINITY	HARRIS	08	101	466	470	466	479 4	81 483
LA PORTE																				04 504
	080346000	н	SAN JACINTO-BRAZOS	HARRIS	101	11		None	GULF COAST AQUIFER	10115	H	SAN JACINTO-BRAZOS	RESERVOIR	11	000	504	504	504	504 5	
LA PORTE	080346000 080346000	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS HARRIS	101	11	1095	None LA PORTE AREA WATER AUTHORITY		10115 084H0	н	SAN JACINTO-BRAZOS TRINITY	RESERVOIR HARRIS	11	000 101		504 8186	504 8190		175 8173
							1095		GULF COAST AQUIFER							504			8177 8	
LA PORTE	080346000	Н	SAN JACINTO-BRAZOS	HARRIS HARRIS HARRIS	101 101 101	11 11 11	1095	LA PORTE AREA WATER AUTHORITY	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	084H0 10115 3461205171	Н	TRINITY SAN JACINTO-BRAZOS BRAZOS	HARRIS FORT BEND HARRIS	08	101 079 101	504 8190 2 7	8186	8190 2 7	8177 8 2 7	175 8173 2 2 7 7
LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK	080346000 080350000 080350000 081005101	Н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO	HARRIS HARRIS HARRIS	101 101 101 101	11 11 11 09		LA PORTE AREA WATER AUTHORITY  None	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM GULF COAST AQUIFER	084H0 10115 3461205171 10115	Н	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO	HARRIS FORT BEND HARRIS HARRIS	08	101 079 101 101	504 8190 2 7 18	8186 2 7 18	8190 2 7 18	8177 8 2 7 18	175 8173 2 2 2 7 7 7 18 18
LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK	080346000 080350000 080350000 081005101 081005101	H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO	HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101	11 11 11 09		LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER	084H0 10115 3461205171 10115 99709101	H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO	HARRIS FORT BEND HARRIS HARRIS HARRIS	08 11 12 09	101 079 101 101 101	504 8190 2 7 18 73	8186 2 7 18 73	8190 2 7 18 73	8177 8 2 7 18 73	175 8173 2 2 7 7 18 18 73 73
LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK  LIVESTOCK	080346000 080350000 080350000 081005101 081005101 081005101	H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101	11 11 11 09 09		LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None	GULF COAST AQUIFER LIVINGSTON-WALLSVILLE SYSTEM GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER	084H0 10115 3461205171 10115 99709101 10115	H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS	08 11 12 09 09	101 079 101 101 101 101	504 8190 2 7 18 73 654	8186 2 7 18 73 285	8190 2 7 18 73 157	8177 8 2 7 18 73 158 1	175 8173 2 2 7 7 18 18 73 73 58 158
LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK	080346000 080350000 080350000 081005101 081005101 081005101 081005101	H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101	11 11 11 09 09 10		LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER	084H0 10115 3461205171 10115 99709101 10115 99710101	H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	08 11 12 09 09 10	101 079 101 101 101 101 101	504 8190 2 7 18 73 654 324	8186 2 7 18 73 285 666	8190 2 7 18 73 157 803	8177 8 2 7 18 73 158 1 803 8	175 8173 2 2 7 7 7 18 18 18 73 73 73 58 158
LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK	080346000 080350000 080350000 081005101 081005101 081005101 081005101	H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINTY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101 101	11 11 11 09 09 10 10		LA PORTE AREA WATER AUTHORITY  None  GULF COAST WATER AUTHORITY  None  None  None  None  None  None	GULF COAST AQUIFER LIVINGSTON-MALLISVILE EYSTEM GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER GULF COAST AQUIFER	084H0 10115 3461205171 10115 99709101 10115 99710101 10115	H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	08 11 12 09 09 10 10	101 079 101 101 101 101 101 101	504 8190 2 7 18 73 654 324 9	8186 2 7 18 73 285 666 9	8190 2 7 18 73 157 803 9	8177 8 2 7 18 73 158 1 803 8	175 8173 2 2 7 7 7 18 18 18 73 73 73 58 158 903 803 9 9
LA PORTE LEAGUE CITY LEAGUE CITY LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK	080346000 080350000 080350000 081005101 081005101 081005101 081005101 081005101	H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101 101 101	11 11 11 09 09 10 10 11		LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None None None None	GULF COAST AGUIFER  GULF COAST AGUIFER  GULF COAST AGUIFER  BRAZOS RIVER RIN-OF-RIVER  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  LIVESTOCK LOCAL SUPPLY	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 99711101	H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	08 11 12 09 09 10 10 11	101 079 101 101 101 101 101 101 101	504 8190 2 7 18 73 654 324 9	8186 2 7 18 73 285 666 9	8190 2 7 18 73 157 803 9	8177 8 2 7 18 73 158 1 803 8 9 82	175 8173 2 2 7 7 7 18 18 18 73 73 58 158 103 803 9 9 9
LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LONGHORN TOWN UD	080346000 080350000 080350000 081005101 081005101 081005101 081005101 081005101 081005101	H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 09 09 10 10 11 11 11	325	LA PORTE AREA WATER AUTHORITY  None GULF COATS WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  LIVINGSTON-WALLISVILE SYSTEM  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 99711101 10115	H H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS MONTGOMERY	08 11 12 09 09 10 10 11 11 11	101 079 101 101 101 101 101 101 101 101 101 170	504 8190 2 7 18 73 654 324 9 82 585	8186 2 7 18 73 285 666 9 82 585	8190 2 7 18 73 157 803 9 82 585	8177 8 2 7 18 73 158 1 803 8 9 82 585 5	175 8173 2 2 7 7 7 18 18 18 173 73 58 158 103 803 9 9 9 92 82 865 585
LA PORTE LEAGUE CITY LEAGUE CITY LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK	080346000 080350000 080350000 081005101 081005101 081005101 081005101 081005101 081005101 084235000	H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO TRINITY-SAN JACINTO TRINITY-SAN JACINTO	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 09 09 10 10 11 11 11 10 09	325	LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None None None None	GULF COAST AGUIFER  GULF COAST AGUIFER  GULF COAST AGUIFER  BRAZOS RIVER RIN-OF-RIVER  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AGUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AGUIFER  CONFOC LOCAL SUPPLY  GULF COAST AGUIFER  CONFOC LACERESSERVOR	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 99711101 10115 10060	H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	08 11 12 09 09 10 10 11 11 11 10	101 079 101 101 101 101 101 101 101 101 170	504 8190 2 7 18 73 654 324 9	8186 2 7 18 73 285 666 9	8190 2 7 18 73 157 803 9	8177 8 2 7 18 73 158 1 168 9 803 8 9 82 12977 12	175 8173 2 2 7 7 7 7 18 18 18 18 73 73 73 58 158 158 103 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
LA PORTE LEAGUE CITY LEAGUE CITY LEAGUE CITY LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LIVESTOCK LONGHORN TOWN UD MANUFACTURING	080346000 080350000 080350000 081005101 081005101 081005101 081005101 081005101 081005101	H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 09 09 10 10 11 11 11	325	LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  LIVINGSTON-WALLISVILE SYSTEM  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 99711101 10115	H H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS ROMONTGOMERY RESERVOIR	08 11 12 09 09 10 10 11 11 11	101 079 101 101 101 101 101 101 101 101 101 170	504 8190 2 7 18 73 654 324 9 82 585 585 12977 23368	8186 2 7 18 73 285 666 9 82 585 12977	8190 2 7 18 73 157 803 9 82 585 12977	8177 8 2 7 18 73 158 1 803 8 9 82 585 5 12977 11	175 8173 2 2 7 7 7 7 18 18 18 18 73 73 73 58 158 158 103 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  MANUFACTURING  MANUFACTURING	080346000 080350000 080350000 0803000101 081005101 081005101 081005101 081005101 084235000 081001101 081001101	H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO TRINITY-SAN JACINTO	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 09 09 10 10 11 11 11 10 09	325	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None Sone Sone Sone Sone Sone Sone Sone S	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTIOCA LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCA LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCA LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCAL COAST AQUIFER  COAST AQUIFER  COAST AQUIFER  COAST AQUIFER  COROC LAKERESERVOR  COROC LAKERESERVOR  LIVESTOCANTALLISVILLE SYSTEM	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 99711101 10115 10060 084H0	H H H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO TRINITY TRINITY	HARRIS FORT BEND HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS MONTGOMERY RESERVOIR HARRIS	08 11 12 09 09 10 10 11 11 11 10 08	101 079 101 101 101 101 101 101 101 101 170 000	504 8190 2 7 18 73 654 324 9 82 585 585 12977 23368	8186 2 7 18 73 285 666 9 82 585 12977 29368	8190 2 7 18 73 157 803 9 82 585 12977 29368	8177 8 2 7 18 18 73 158 1 803 8 9 82 585 5 12977 12 23368 22 48874 44	175 8173 2 2 2 7 7 7 18 18 18 18 18 158 158 158 158 158 158
LA PORTE  LEAGUE CITY  LEAGUE CITY  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  LUNESTOCK  MANUFACTURNO	080348000 080350000 0810350000 081005101 081005101 081005101 081005101 081005101 081005101 081005101 084235000 081001101 081001101 081001101	H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO SAN JAC	HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 09 09 10 10 11 11 10 09 09 10	325 240 396201 607473 240	LA PORTE AREA WATER AUTHORITY Note GULF COAST WATER AUTHORITY Note None None None None None None None Non	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  BRAZOS RIVER RINNOF-RIVER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIV	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 99711101 10115 10060 084H0 10115 084H0 3461004964	H H H H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS BRAZOS BRAZOS TRINITY-SAN JACINTO SAN ITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO SAN JACINTO TRINITY SAN JACINTO SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO SAN JACINT	HARRIS FORT BEND HARRIS	08 111 12 09 09 10 10 11 11 11 10 08 10 08	101 079 101 101 101 101 101 101 101 10	504 8190 2 7 18 73 654 324 9 82 585 585 29368 50487 1046 70	8186 2 7 18 73 285 666 9 82 585 12977 29368 50487 1046 70	8190 2 7 18 73 157 803 9 82 585 12977 29368 48575 1046 70	8177 8 2 7 7 18 8 73 158 1 803 9 82 585 5 12977 12 29368 25 48874 44 1046 1	1775 8173 2 2 2 7 7 7 18 18 18 18 18 18 18 18 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
LA PORTE  LEAGUE CITY  LEAGUE CITY  LEAGUE CITY  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  LUESTOCK  MANUFACTURNO  MANUFACTURNO  MANUFACTURNO  MANUFACTURNO  MANUFACTURNO  MANUFACTURNO  MANUFACTURNO  MANUFACTURNO  MANUFACTURNO	080346000 080350000 080350000 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081001101 081001101 081001101 081001101	H H H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO TRIBITY-SAN JACINTO TRIBITY-SAN JACINTO SAN HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 11 09 09 10 10 11 11 11 10 09 09 10 10	240 396201 607473 240 240	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  BRAZOS RIVER RINNOF RIVER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  CORROE LAKERESERVIOR  CORROE LAKERESERVIOR  GULF COAST AQUIFER  LIVINSTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVINSTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVINSTOCK LOCAL SUPPLY  LIVINSTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVINSTOCK NALLISVILLE SYSTEM  GULF COAST AQUIFER  SAN JACINTO RIVER RIN-OF-RIVER	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 10115 10115 10115 10080 084H0 10115 084H0 3461004964 3461004964	H H H H H H H H H H H	TRINITY SAN JACINTO BRAZOS BRAZOS TRINITY-SAN JACINTO TRINITY-SAN JACINTO TRINITY-SAN JACINTO TRINITY-SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS TRINITY SAN JACINTO SAN JAC	HARRIS FORT BEND HARRIS	08 11 12 09 09 10 10 11 11 11 10 08 10 08 10 10 10	101 079 101 101 101 101 101 101 101 10	504 8190 2 7 18 7 324 9 82 585 12977 29368 50487 1046 70	8186 2 7 18 73 285 666 9 82 585 12977 29368 50487 1046 70 31223	8190 2 7 18 73 157 803 9 82 585 12977 29368 48575 1046 70 31223	8177 8 2 7 7 18 73 158 158 158 158 158 158 158 158 158 158	1775 8173 2 2 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  MANUA CTURNO  MANUA CTURN	080346000 080350000 080350000 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081001101 081001101 081001101 081001101 081001101 081001101 081001101 081001101	H H H H H H H H H H H H H H H H H H H	SAN JACINTO SAN JA	HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 09 09 10 10 11 11 11 10 09 09 10 10 10 10 10 11 11 11 10 10 10 10 10	240 396201 607473 240 240 240 396200 651900	LA PORTE ABEA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  BRAZOS RIVER RIN-OF-RIVER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK NAVALLISVILE SYSTEM  GULF COAST AQUIFER  LIVESTOCK PRIVER SYSTEM  SAN ALCINTO RIVER RIN-OF-RIVER  HOUSTON LAVERSEERVOR  LIVESTOCK LOCAL SYSTEM  HOUSTON LAVERSEERVOR  LIVESTOCK STRUER  HOUSTON LAVERSEERVOR  LIVESTOCK SYSTEM  HOUSTON LAVERSEERVOR	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 99711101 10115 10060 084H0 101115 084H0 3461004964 3461004964 3461004964 3461004964 3461004964 3461004964	H H H H H H H H H H H H H H H H H H H	TRINITY SAN JACINTO-BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO TRINITY TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY	HARRIS FORT BEND HARRIS LIBERTY RESERVOIR RESERVOIR	08 11 12 09 09 10 10 11 11 11 10 08 10 08 10 08 10 08	101 079 101 101 101 101 101 101 101 101 101 10	504 8190 2 7 7 18 73 654 324 9 82 585 1297 23388 50487 1046 70 31223 31223 54650 3886	8186 2 7 18 73 285 666 9 82 585 12977 29368 50487 1046 70 31223 31223 3896	8190 2 7 18 18 73 157 803 9 82 585 12977 29368 48575 1046 70 31223 31223 31223 3924	8177 8 2 2 7 7 18 8 73 158 1 158 1 158 2 803 8 9 8 82 585 5 12977 12 23988 25 48874 1046 1 70 31223 31 31223 31 31223 33	1792 8173 2 2 2 7 7 7 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19
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LA PORTE  LEAGUE CITY  LEAGUE CITY  LESTOCK  LIVESTOCK  MANUFACTURNO  MANUF	080346000 080350000 080350000 080350000 080350000 080350000 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081005101 081001	H H H H H H H H H H H H H H H H H H H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	11 11 11 09 09 09 10 10 11 11 11 10 09 09 10 10 10 10 10 10 10 10 10 10 10 10 10	240 396201 607473 240 240 396200 651900 396200	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  COMPORT LOCAST AQUIFER  COMPORT LACERESERVOIR  CUNGSTOCK LOCAL SUPPLY  GULF COAST AQUIFER  COMPORT LACERESERVOIR  LIVINGSTOCK LOCAL SUPPLY  GULF COAST AQUIFER  COMPORT LACERESERVOIR  LIVINGSTOCK LOCAL SUPPLY  SAN JACINTO RIVER RUN-OF-RIVER  FININTY RIVER RUN-OF-RIVER  HOUSTON JAMERESERVOIR  LIVINGSTOCK NAULISVILLE SYSTEM  HOUSTON LAMERESERVOIR  LIVINGSTOCK NAULISVILLE SYSTEM	084H0 10115 3461205171 10115 99709101 10115 99710101 10115 9971101 10115 10080 084H0 3461004964 3461004964 3461004964 3461004964 3461004964 084H0 10030 084H0	H H H H H H H H H H H H H H H H H H H	TRINITY SAN JACINTO SIN JACINTO SIN JACINTO SIN JACINTO SIN JACINTO SIN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRINITY TRINITY SAN JACINTO SAN JACINTO TRINITY	HARRIS RESERVOIR RESERVOIR RESERVOIR RESERVOIR	08 111 12 09 09 09 110 110 110 111 110 08 10 08 10 10 08 10 10 08 10 08	101 079 101 101 101 101 101 101 101 101 101 10	504 8190 2 7 18 18 73 18 654 324 9 82 55465 12977 23368 50487 1046 73 31223 31223 54650 3896 54 34489 207,642 207,642	8186 2 7 18 18 73 285 666 9 82 585 12977 29368 50487 1046 70 31223 31223 31223 34849 34849	8190 2 7 18 18 73 157 803 9 82 585 12977 29368 48572 29368 70 31223 31223 54650 3924 54 54 34849 54 54	6177 8 6 7 7 7 7 18 7 7 18 8 1 1 1 1 1 1 1 1 1 1	775 8173 2 2 2 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  LIVESTOCK  MANUA FCTURNG  MANU	980346000 980356000 980356000 980356000 980356000 980356000 980356000 980356000 980356000 980356000 98035600 98035600 98035600 98035600 98035600 98035600 980356000 98035600 98035600 980356000 980356000 980356000 980356000 980356000 980356000 980356000 9803560000 9803560000 98035600000000000	H H H H H H H H H H H H H H H H H H H	SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRIRITY-SAN JACINTO TRIRITY-SAN JACINTO SAN OS SAN JACINTO BRAZOS	HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	111 111 111 09 09 10 10 111 111 110 09 09 10 10 10 10 10 10 10 10 10 10 11 11 11	240 396201 607473 240 240 240 396200 396201 396201 396201 396201 396201	LA PORTE ABEA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  BRAZOS RIVER RINN OF RIVER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  HOUSTON RIVER RINN OF RIVER  HOUSTON LAVERRESERVOR  LIVENGSTON WALLISVILLE SYSTEM  L	0840 0 000 0 000 0 000 0 000 0 0 0 0 0 0	H H H H H H H H H H H H H H H H H H H	TRINITY SAN JACINTO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRINITY TRINITY SAN JACINTO SAN JACINTO SAN JACINTO TRINITY TRINI	HARRIS FORT BEND HARRIS RESERVOIR RESERVOIR HARRIS	08 111 12 12 09 10 10 10 10 10 10 10 10 10 10 10 10 10	101 101 101 101 101 101 101 101 101 101	504 6190 2 7 18 77 18 654 654 654 96 82 82 82 12977 23938 50487 1046 70 31223 31223 54849 207,642 620 1144 1792 1144 1792	8186 2 7 18 18 73 285 666 9 82 585 595 1046 70 31223 54650 31223 54650 34849 207,642 6692 11144 52803 1792 696	8190 2 7 18 18 7 157 803 9 82 585 12977 23988 48575 1046 70 31223 31223 31223 54650 3924 6487 6595 6916 6916 6916 6916 6916 6916 6916	8177 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	175 8173 2 2 2 7 7 7 16 16 16 16 16 16 16 16 16 16 16 16 16
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LA PORTE  LEAGUE CITY  LEAGUE CITY  LIVESTOCK  LIVESTOC	980,040000 980,040000 980,0500000 980,0500000 980,0500000 980,0500000 980,0500000 980,050000000000000000000000000000000000	H H H H H H H H H H H H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRIRITY-SAN JACINTO TRIRITY-SAN JACINTO TRIRITY-SAN JACINTO SAN JAC	HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	111 111 09 09 10 10 111 110 09 09 10 10 10 10 10 10 10 10 10 10 10 10 10	240 396201 607473 240 240 240 396200 396201 396201 396201 396201 396201	LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  HOUSTON RIVER RINN OF RIVER  HOUSTON LAVER SESTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON	0840 0 0440 1015	H H H H H H H H H H H H H H H H H H H	TRINITY SAN JACINTO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRIBITY TRIBITY SAN JACINTO SAN JACINTO SAN JACINTO TRIBITY SAN JACINTO TRIBITY TRIBITY SAN JACINTO TRIBITY TRIBITY TRIBITY TRIBITY TRIBITY TRIBITY TRIBITY TRIBITY TRIBITY TRIBITY SAN JACINTO S	HARRIS FORT BEND HARRIS RESERVOIR RESERVOIR HARRIS	08 11 12 09 09 10 10 10 10 10 10 08 11 11 10 08 08 11 11 08 08 08 11 11 10 08 08 08 11 11 11 11 11 11 11 11 11 11 11 11 11	101 101 101 101 101 101 101 101 101 101	504 6190 2 7 18 7 7 18 7 324 9 82 28 585 1297 23368 59487 1046 7 31223 31223 31223 54650 54	8186 2 7 7 18 9 18 2285 666 82 82 82 82 83 81 82 83 82 83 83 83 83 83 83 83 83 83 83 84 84 84 84 84 86 86 86 86 86 86 86 86 86 86 86 86 86	8190 2 7 7 18 7 7 18 7 7 803 9 82 2 855 85 12977 1046 7 7 31223 31223 31223 31223 31223 31223 31223 3123 3	8177 8 2 2 7 7 1 8 8 9 3 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	175 8173 2 2 2 7 7 7 16 16 16 16 16 16 16 16 16 16 16 16 16
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LA PORTE  LEAGUE CITY  LEAGUE CITY  LESTOCK  LIVESTOCK  MANUFACTURNO  MASON CREEK UD  MINNOG  MASOURI CITY  MASSAU BAY  NASSAU BAY  NASSAU BAY	980,946,000 980,950,000 980,950,000 981,005,101 981,0	H H H H H H H H H H H H H H H H H H H	SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO SAN JACINTO BRAZOS SAN JACINTO SAN JACINTO BRAZOS SAN	HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	111 111 111 09 10 10 111 111 10 09 09 10 10 10 10 10 10 10 10 10 10 10 10 10	325 240 396201 607473 240 240 240 396200 396200 396201 396201 396201 396201 159000	LA PORTE AREA WATER AUTHORITY None GULF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  HOUSTON RIVER RINN OF RIVER  HOUSTON LAVER SESTEM  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  OTHER LOCAL SUPPLY  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVENGTON WALLISVILLE SYSTEM  BRAZOS RAGIFER RUNOF RIVER  GULF COAST AQUIFER  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM  LIVENGTON WALLISVILLE SYSTEM	08490 1015 3481205171 1015 99709101 1015 99709101 1015 9971010 1015 9971101 1015 10080 08490 1015 10080 3481004864 34810805718 10080 08490 08490	H H H H H H H H H H H H H H H H H H H	TRINITY SAN JACINTO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY TRINITY SAN JACINTO TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY SAN JACINTO	HARRIS FORT BEND HARRIS RESERVOIR HARRIS HARRIS HARRIS HARRIS RESERVOIR HARRIS HARRIS HARRIS RESERVOIR RESERVOIR HARRIS HARRIS HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS HARRIS HARRIS RESERVOIR HARRIS HARRIS HARRIS RESERVOIR HARRIS HARRIS HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS RESERVOIR HARRIS HAR	08 11 12 09 09 10 10 10 10 10 10 10 10 10 10 10 10 10	101 101 101 101 101 101 101 101 101 101	504 5190 2 7 18 7 18 73 554 9 22 28 585 1287 1046 73 3122 3308 5465 31223 31223 31223 5465 545 5465 54 52 5465 54 54 54 54 54 54 54 54 54 5	8168 2 7 7 18 18 18 18 18 18 18 18 18 18 18 18 18	8190 2 2 7 18 7 18 803 9 82 82 885 12977 29969 49579 1046 70 31223 3123 312	8177 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	775 8173 2 2 2 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LA PORTE  LEAGUE CITY  LEAGUE CITY  LEAGUE CITY  LESTOCK  LIVESTOCK  MANIFACTURING	980546000 980505001 98050501 980505000 980505000 980505000	H H H H H H H H H H H H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO SAN JACINTO-BRAZOS S	MARRIS MA	101 101 101 101 101 101 101 101 101 101	11 11 11 11 11 11 11 11 11 11 11 11 11	325 240 396201 607473 240 240 240 366200 396200 396201 396201 159000 159000	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  SAN JACKTO RIVER RIVE OF-RIVER  AND JACKTO RIVER RIVER OF-RIVER  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK AUGUST AQUIFER  LIVESTOCK AUGUST AQUIFER  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  BRAZOS RIVER RIVEO FRIVER  GULF COAST AQUIFER  BRAZOS RIVER RIVEO FRIVER  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  BRAZOS RIVER RIVEO FRIVER  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  BRAZOS RIVER RIVEO FRIVER  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  BRAZOS RIVER RIVEO FRIVER  LIVESTOCK WALLISVILLE SYSTEM  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVESTOCK WALLISVILLE SYSTEM  GULF COAST AQUIFER	08410 08410 08410 08410 346120517 346120517 3670101 9870101	H H H H H H H H H H H H H H H H H H H	SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO SAN JACRITO TRINITY TRINITY TRINITY SAN JACRITO SAN JACRITO SAN JACRITO TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY SAN JACRITO SAN JACRIT	FORT BEND HARRIS FORT BEND HARRIS HAR	08 09 10 10 10 10 10 10 10 10 10 10 10 10 10	101 101 101 101 101 101 101 101 101 101	504 5190 5190 5190 5190 5190 5190 5190 5190	8196 2 7 7 18 8 285 666 9 82 82 82 12977 31223 31223 31223 31223 31223 31223 31223 54650 6692 6692 6696 699 97 1097 1097 1097 1097 1097 1097 1097	8190 2 2 7 7 18 803 157 167 18 18 18 19 1 18 18 18 18 18 18 18 18 18 18 18 18 1	B177	1752 8173 2 2 2 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LA PORTE  LEAGUE CITY  LEAGUE CITY  LESTOCK  LIVESTOCK  MANUFACTURNO  MASON CREEK UD  MANUFACTURNO  MASON CREEK UD  MANUFACTURNO  MANUFA	980,46000 980,500,500,500,500,500,500,500,500,500,5	H H H H H H H H H H H H H H H H H H H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS SAN JACINTO-BR	HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	111 111 111 111 111 111 111 111 111 11	325 240 396201 607473 240 240 240 366200 396200 396201 396201 159000 159000	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  SAN ALCINTO RIVER RIND-OF-RIVER  HOUSTON LAVERRESERVOR  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  OTHER LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM	08440 1015 3441205174 1015 541205174	H H H H H H H H H H H H H H H H H H H	TRINITY SAN JACINTO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY SAN JACINTO TRINITY	HARRIS FORT BEND HARRIS RESERVOR RESERVOR HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS HARRIS RESERVOR RESERVOR HARRIS HARRIS HARRIS HARRIS RESERVOR RESERVOR HARRIS HARRIS HARRIS RESERVOR RESERVOR HARRIS RESERVOR RESERVOR HARRIS HARRIS RESERVOR RESERVOR HARRIS RESERVOR RESERVOR HARRIS RESERVOR RESERVOR RESERVOR HARRIS RESERVOR RESERVOR RESERVOR HARRIS RESERVOR RESERVOR HARRIS RESERVOR RESERVOR HARRIS	08 11 12 12 12 12 12 12 12 12 12 12 12 12	101 101 101 101 101 101 101 101 101 101	504 5150 2 7 18 7 18 7 324 9 82 285 585 1227 23368 544 1227 23368 546 1046 73 31223 31223 31223 54650 31223 54650 54 31224 31224 31224 31225 54650 5465	8196 2 7 7 16 16 17 73 18 16 17 73 18 16 17 73 18 16 17 73 18 18 17 73 18 18 17 73 18 18 18 18 18 18 18 18 18 18 18 18 18	8190 2 2 7 7 18 8 19 9 19 10 10 10 10 10 10 10 10 10 10 10 10 10	8177 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	775 8173 2 2 2 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LA PORTE  LEAGUE CITY  LEAGUE CITY  LUESTOCK  MANUFACTURNO  MANU	980346000 980346000 980346000 98035600 98035	H H H H H H H H H H H H H H H H H H H	SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO SAN JAC	MARRIS MA	101 101 101 101 101 101 101 101 101 101	111 112 113 114 115 116 117 117 117 117 117 117 117 117 117	240 306201 240 306201 240 240 240 306200 306200 306201 306201 159000 306201 159000	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER SAN JACKNOTO RIVER RIVE G-PRIVER HOUSTON LAGENESSEN COST LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY OTHER LOCAL SUPPLY OTH	08410 08410 346120517 346120517 970101 97010	H H H H H H H H H H H H H H H H H H H	TRINTY PRAZOS  TRINTY PRAZOS  TRINTY SAN JACANTO  TRINTY SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  TRINTY  SAN JACANTO  TRINTY  TRINTY  SAN JACANTO  TRINTY  SAN JACANTO  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  TRINTY	HARRIS RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR HARRIS HAR	08 09 10 10 10 10 10 10 10 10 10 10 10 10 10	101 079 101 101 101 101 101 101 101 10	504 5190 5190 5190 5190 5190 5190 5190 5190	8196 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8190 8190 12 18 18 18 18 18 18 18 18 18 18	8177 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	772 2 2 2 2 2 2 2 2 2 7 7 8 17 8 18 18 18 18 18 18 18 18 18 18 18 18 1
LA PORTE  LEAGUE CITY  LEAGUE CITY  LESTOCK  LIVESTOCK  MANUFACTURNO  MANUFACT	980546000 980546000 980546000 980546000 980546000 980546000 980546000 980546000 980546000 980546000 980546000 980546000 98054600000 98054600000 98054600000 98054600000 98054600000 98054600000 98054600000 98054600000 98054600000 98054600000 9805000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 98050000000 980500000000 98050000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 980500000000 98050000000000	H H H H H H H H H H H H H H H H H H H	SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO SAN JACINTO BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO	HARRIS HARRIS	101 101 101 101 101 101 101 101 101 101	111 111 111 111 111 111 110 009 009 110 110	325 240 396201 607473 240 240 240 366200 396200 396201 396201 159000 159000	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  BAN ALCINTO RIVER RIN-OF-RIVER  HOUSTON LAVERESERVOR  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  OTHER LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  HOUSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAS	08440	H	TRINITY SAN JACINTO BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS BRAZOS SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY SAN JACINTO TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY TRINITY SAN JACINTO SAN JA	HARRIS FORT BEND HARRIS RESERVOR RESE	08 11 12 12 12 12 12 12 12 12 12 12 12 12	101 101 101 101 101 101 101 101 101 101	504 5190 5190 5190 5190 5190 5190 5190 5190	8186 2 2 7 7 188 2 2 8 9 18 18 18 18 18 18 18 18 18 18 18 18 18	8190 2 2 7 7 19 19 19 19 19 19 19 19 19 19 19 19 19	8177 8 8 77 8 8 8 8 9 9 9 9 9 9 9 148 2 148 2 2 20878	175 8173 2 2 2 7 7 7 16 18 18 18 18 18 18 18 18 18 18 18 18 18
LA PORTE  LEAGUE CITY  LEAGUE CITY  LUESTOCK  MANUFACTURNO  MANU	980346000 980346000 980346000 98035600 98035	H H H H H H H H H H H H H H H H H H H	SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO BRAZOS SAN JACINTO SAN JAC	MARRIS MA	101 101 101 101 101 101 101 101 101 101	10 10 10 10 10 10 10 10 10 10 10 10 10 1	240 306201 240 306201 240 240 240 306200 306200 306201 306201 159000 306201 159000	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY HOUSTON LAVELESSENOOR LIVESTOCK LOCAL SUPPLY LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM GULF COAST AQUIFER BEAZOS RIVER RIVLOF RIVER GULF COAST AQUIFER LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM GULF COAST AQUIFER LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLISVILLE SYSTEM GULF COAST AQUIFER LIVESTOCK VALLISVILLE SYSTEM LIVESTOCK VALLI	08410 08410 346120517 346120517 970101 97010	H H H H H H H H H H H H H H H H H H H	TRINTY PRAZOS  TRINTY PRAZOS  TRINTY SAN JACANTO  TRINTY SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  TRINTY  SAN JACANTO  TRINTY  TRINTY  SAN JACANTO  TRINTY  SAN JACANTO  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  TRINTY  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  SAN JACANTO  TRINTY	HARRIS RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR HARRIS HAR	08 08 08 08 08 08 08 08 08 08 08 08 08 0	101 107 107 101 101 101 101 101	504 5190 5190 5190 5190 5190 5190 5190 5190	8196 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8190 8190 12 18 18 18 18 18 18 18 18 18 18	8177 8 8 1877 8 8 1877 8 1878 1878 1878	772 8173 2 2 7 7 7 8173 2 8173 2 8 7 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8
LA PORTE  LEAGUE CITY  LEAGUE CITY  LEAGUE CITY  LUESTOCK  MANUFACTURING  MANUFACTURIN	980546000 980500101 98050101	H H H H H H H H H H H H H H H H H H H	SAN JACINTO BRAZOS SAN JACINTO SAN	MARRIS MA	101 101 101 101 101 101 101 101 101 101	111 111 111 111 111 111 110 009 009 110 110	240 306201 240 306201 240 240 240 306200 306200 306201 306201 159000 306201 159000	LA PORTE ABEA WATER AUTHORITY None GUAF COAST WATER AUTHORITY None None None None None None None None	GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVESTOCK LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  BAN ALCINTO RIVER RIN-OF-RIVER  HOUSTON LAVERESERVOR  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  OTHER LOCAL SUPPLY  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  HOUSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAST AQUIFER  LIVENGSTON WALLISVILLE SYSTEM  GULF COAS	08410 08410	H H H H H H H H H H H H H H H H H H H	SAN JACHTO SAN JACHTO	FORT BEND HARRIS	08 11 12 12 12 12 12 12 12 12 12 12 12 12	101 101 101 101 101 101 101 101 101 101	504 5190 5190 5190 5190 5190 5190 5190 5190	8186 2 2 7 7 188 2 2 8 9 18 18 18 18 18 18 18 18 18 18 18 18 18	8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8177 8 8 77 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9	772 8173 2 2 7 7 7 8173 2 8173 2 8 7 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8

Table 3G.1
Current Water Supplies Available to Region H by City and Category

NORTHWEST PARK MUD	084287000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	915	915	255	256	256	256
PARKWAY UD PASADENA	084298000 080456000	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10	651900	None CITY OF PASADENA	GULF COAST AQUIFER	10115 084H0	H	SAN JACINTO TRINITY	RESERVOIR RESERVOIR	10 08	000	29 17275	29 17275	23 17275	23 17275	23 17275	23 17275
PASADENA	080456000	н	SAN JACINTO	HARRIS	101	10	159000	CLEAR LAKE CITY WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н Н	TRINITY	HARRIS	08	101	7 483	7 482	7 483	7 483	7 483	7 483
PASADENA	080456000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11	651900	CITY OF PASADENA	GULF COAST AQUIFER	10115	Н	SAN JACINTO-BRAZOS	RESERVOIR	11	000	2047	2047	2047	2047	2047	2047
PASADENA	080456000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11	651900	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	3100	3101	3100	3100	3100	3100
PASADENA	080456000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11	159000	CLEAR LAKE CITY WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	FORT BEND	08	079	1136	1137	1136	1136	1136	1136
PEARLAND PEARLAND	080457000 080457000	н	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS HARRIS	101	11	325 325	GULF COAST WATER AUTHORITY GULF COAST WATER AUTHORITY	BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	3461205322B 3461205168	H	BRAZOS BRAZOS	FORT BEND RESERVOIR	12 12	079 000	338 225	312 208	301 200	295 196	288 192	282 188
PEARLAND	080457000	H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS	101	11	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	H	TRINITY	HARRIS	08	101	225	19	18	190	192	17
PINE TRAILS UTILITY	084302000	н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	185	185	176	177	177	177
PINE TRAILS UTILITY	084302000	Н	SAN JACINTO	HARRIS	101	10	607473	NORTH CHANNEL WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	480	480	480	480	480	480
PINEY POINT VILLAGE	080468000	Н	SAN JACINTO	HARRIS HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR HARRIS	10	000	250 247	250	225	226	226	226
PINEY POINT VILLAGE ROLLING FORK PUD	080468000 084411000	H	SAN JACINTO SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON None	LIVINGSTON-WALLISVILLE SYSTEM GULF COAST AQUIFER	084H0 10115	H	TRINITY SAN JACINTO	HARRIS	08 10	101	485	245 219	244 125	244 126	243 126	242 126
SEABROOK	080545000	Н.	SAN JACINTO-BRAZOS	HARRIS	101	11		None	GULF COAST AQUIFER	10115	Н.	SAN JACINTO-BRAZOS	RESERVOIR	11	000	242	242	242	242	242	242
SEABROOK	080545000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11	651900	CITY OF PASADENA	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	917	947	969	987	1001	1012
SHOREACRES	080558000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO-BRAZOS	RESERVOIR	11	000	20	20	20	20	20	20
SHOREACRES	080558000	Н	SAN JACINTO-BRAZOS	HARRIS	101	11	1095	LA PORTE AREA WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	HARRIS	08	101	406	406	406	406	406	406
SOUTH HOUSTON SOUTH HOUSTON	080569000 080569000	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10	396200	None CITY OF HOUSTON	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	10115 084H0	H	SAN JACINTO TRINITY	RESERVOIR HARRIS	10 08	000 101	223 4199	223 4199	207 4199	208 4199	208 4199	208 4199
SOUTHSIDE PLACE	080572000	н	SAN JACINTO	HARRIS	101	10	000200	None	GULF COAST AQUIFER	10115	н	SAN JACINTO	RESERVOIR	10	000	79	79	76	77	77	77
SOUTHSIDE PLACE	080572000	н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	HARRIS	08	101	319	319	319	319	319	319
SOUTHWEST UTILITIES	084343000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	487	239	145	146	146	146
SPRING VALLEY STAFFORD	080575000	Н	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10		None None	GULF COAST AQUIFER	10115	Н	SAN JACINTO SAN JACINTO	FORT BEND FORT BEND	10	079 079	610	275	156	157	157	157
STAFFORD	080577000	н	SAN JACINTO SAN JACINTO	HARRIS	101	10	325	None GULF COAST WATER AUTHORITY	GULF COAST AQUIFER BRAZOS RIVER RUN-OF-RIVER	07915 3461205168	H	SAN JACINTO BRAZOS	RESERVOIR	10 12	000	10 202	7 78	9 61	8 48	7 40	7 32
STEAM ELECTRIC POWER	081002101	Н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	HOUSTON LAKE/RESERVOIR	10030	Н	SAN JACINTO	HARRIS	10	101	14369	14369	14369	14369	14369	14369
STEAM ELECTRIC POWER	081002101	н	SAN JACINTO-BRAZOS	HARRIS	101	11		None	GULF COAST AQUIFER	10115	н	SAN JACINTO-BRAZOS	HARRIS	11	101	44	44	44	44	44	44
SUNBELT FWSD	084350000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	3084	1568	977	983	983	983
SUNBELT FWSD	084350000	н	SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER	10115	Н	SAN JACINTO	RESERVOIR	10	000	187	187	187	187	187	187
SUNBELT FWSD TAYLOR LAKE VILLAGE	084350000 080751000	н	SAN JACINTO SAN JACINTO-BRAZOS	HARRIS HARRIS	101	10	396200	CITY OF HOUSTON None	LIVINGSTON-WALLISVILLE SYSTEM GULF COAST AQUIFER	084H0 10115	н	TRINITY SAN JACINTO-BRAZOS	HARRIS RESERVOIR	08 11	101	299 63	299 63	299 63	299 62	299 62	299 62
TAYLOR LAKE VILLAGE	080751000	Н.	SAN JACINTO-BRAZOS	HARRIS	101	11	159000	CLEAR LAKE CITY WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н.	TRINITY	HARRIS	08	101	1730	1730	1730	1730	1730	1730
TOMBALL	080608000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	1801	990	634	638	638	638
TRAIL OF THE LAKES MUD	084355000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	971	413	226	227	227	227
WALLER	080629000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	81	46	31	31	31	31
WEBSTER WEBSTER	080635000 080635000	H	SAN JACINTO-BRAZOS SAN JACINTO-BRAZOS	HARRIS HARRIS	101	11	396200	None CITY OF HOUSTON	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	10115 084H0	H	SAN JACINTO-BRAZOS TRINITY	RESERVOIR RESERVOIR	11 08	000	242 4535	242 4535	242 4535	242 4535	242 4535	242 4535
WEBSTER	080635000	н	SAN JACINTO-BRAZOS	HARRIS	101	11	159000	CLEAR LAKE CITY WATER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	HARRIS	08	101	4475	4475	4475	4475	4475	4475
WEST HARRIS COUNTY MUD #6		Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	389	168	92	93	93	93
WEST UNIVERSITY PL.	080643000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	609	609	567	571	571	571
WEST UNIVERSITY PL. WHCRWA	080643000 088002000	н	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101 101	10	396200	CITY OF HOUSTON WHCRWA	GULF COAST AQUIFER	10115 10115	H	SAN JACINTO SAN JACINTO	HARRIS RESERVOIR	10 10	101	2053	2053	2053	2053	2053	2053
WHCRWA	088002000	Н	SAN JACINTO SAN JACINTO	HARRIS	101	10	396200	CITY OF HOUSTON	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	HARRIS	08	000 101	41,789 19199	20,324 19496	12,942 19513	12,387 19357	12,387 19170	12,387 18990
WILLOW RUN SUBDIVISION	084398000	н	SAN JACINTO	HARRIS	101	10	000200	None	GULF COAST AQUIFER	10115	н	SAN JACINTO	HARRIS	10	101	457	196	106	107	107	107
WINDFERN FOREST UD	084401000	Н	SAN JACINTO	HARRIS	101	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	HARRIS	10	101	553	310	168	169	169	169
WINDFERN FOREST UD WOODCREEK MUD	084401000 084404000	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	101	10	396200	CITY OF HOUSTON None	GULF COAST AQUIFER	10115 10115	H	SAN JACINTO SAN JACINTO	HARRIS HARRIS	10	101	67 427	70	70 164	70	70 165	70
CROSBY MUD	084404000	н	SAN JACINTO SAN JACINTO	HARRIS	101	10	240	None SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER SAN JACINTO RIVER RUN-OF-RIVER	10115 3461004964	Н	SAN JACINTO SAN JACINTO	LEON	10 10	101	1.050	245 1.050	1.050	165	1.050	165
BUFFALO	080083000	Н	TRINITY	LEON	145	08	240	None None	CARRIZO-WILCOX AQUIFER	14510	Н	TRINITY	LEON	08	145	348	348	348	348	348	348
CENTERVILLE	080105000	н	TRINITY	LEON	145	08		None	CARRIZO-WILCOX AQUIFER	14510	н	TRINITY	LEON	08	145	189	189	189	189	189	189
COUNTY-OTHER	080757145	Н	TRINITY	LEON	145	08		None	SPARTA AQUIFER	14527	Н	TRINITY	LEON	08	145	143	143	143	143	143	143
COUNTY-OTHER	080757145 080757145	Н	TRINITY TRINITY	LEON	145	08		None	QUEEN CITY AQUIFER	14524	H	TRINITY TRINITY	LEON	08 08	145	143	143	143	143	143	143
COUNTY-OTHER COUNTY-OTHER	080757145	н	BRAZOS	LEON	145 145	08 12		None None	CARRIZO-WILCOX AQUIFER CARRIZO-WILCOX AQUIFER	14510 14510	H	BRAZOS	LEON LEON	12	145 145	142 195	142 195	142 195	142 195	142 195	142 195
COUNTY-OTHER	080757145	н	BRAZOS	LEON	145	12		None	QUEEN CITY AQUIFER	14524	Н.	BRAZOS	LEON	12	145	200	200	200	200	200	200
FLO COMMUNITY WSC	084114000	Н	TRINITY	LEON	145	08		None	CARRIZO-WILCOX AQUIFER	14510	н	TRINITY	LEON	08	145	418	418	418	418	418	418
IRRIGATION	081004145	Н	TRINITY	LEON	145	08		None	CARRIZO-WILCOX AQUIFER	14510	Н	TRINITY	LEON	08	145	261	261	261	261	261	261
IRRIGATION	081004145	н	TRINITY	LEON	145	08		None	SPARTA AQUIFER	14527	H	TRINITY TRINITY	LEON	08	145	281	281	281	281	281	281
JEWETT JEWETT	080887000 080887000	н	TRINITY BRAZOS	LEON LEON	145 145	08 12		None None	CARRIZO-WILCOX AQUIFER CARRIZO-WILCOX AQUIFER	14510 14510	H	TRINITY	LEON LEON	08 08	145 145	151 51	151 51	151 51	151 51	151 51	151 51
LIVESTOCK	081005145	Н.	TRINITY	LEON	145	08		None	CARRIZO-WILCOX AQUIFER	14510	н	TRINITY	LEON	08	145	484	484	484	484	484	484
LIVESTOCK	081005145	Н	TRINITY	LEON	145	08		None	SPARTA AQUIFER	14527	н	TRINITY	LEON	08	145	784	784	784	784	784	784
LIVESTOCK	081005145	н	BRAZOS	LEON	145	12		None	CARRIZO-WILCOX AQUIFER	14510	Н	BRAZOS	LEON	12	145	200	200	200	200	200	200
LIVESTOCK MANUFACTURING	081005145 081001145	Н	BRAZOS TRINITY	LEON	145 145	12		None None	SPARTA AQUIFER	14527 14510	H	BRAZOS TRINITY	LEON	12 08	145 145	223 714	223 714	223 714	223 714	223 714	223
MANUFACTURING	081001145	н	TRINITY	LEON	145	08 08		None None	CARRIZO-WILCOX AQUIFER CARRIZO-WILCOX AQUIFER	14510	н	TRINITY	LEON LEON	08	145	1296	1251	1226	1204	1183	714 1166
MINING	081003145	н	BRAZOS	LEON	145	12		None	CARRIZO-WILCOX AQUIFER CARRIZO-WILCOX AQUIFER	14510	Н	BRAZOS	LEON	12	145	221	213	209	205	201	198
NORMANGEE	080927000	н	TRINITY	LEON	145	08		None	CARRIZO-WILCOX AQUIFER	14510	Н	TRINITY	LEON	08	145	106	106	106	106	106	106
NORMANGEE	080927000	Н	BRAZOS	LEON	145	12		None	CARRIZO-WILCOX AQUIFER	14510	Н	TRINITY	LIBERTY	08	146	42	42	42	42	42	42
AMES CLEVELAND	080676000	н	TRINITY SAN JACINTO	LIBERTY	146 146	08 10		None	GULF COAST AQUIFER	14615	н	TRINITY SAN JACINTO	LIBERTY	08 10	146	137	137	137	137	137	137
CLEVELAND COUNTY-OTHER	080116000 080757146	н	SAN JACINTO NECHES	LIBERTY	146 146	10 06		None None	GULF COAST AQUIFER GULF COAST AQUIFER	14615	H	SAN JACINTO NECHES	LIBERTY	10 06	146	1341 154	1341	1341 154	1341	1341	1341
COUNTY-OTHER	080757146	н	NECHES-TRINITY	LIBERTY	146	07		None	GULF COAST AQUIFER GULF COAST AQUIFER	14615	Н	NECHES-TRINITY	LIBERTY	07	146	11	11	11	11	11	11
COUNTY-OTHER	080757146	Н	TRINITY	LIBERTY	146	08		None	GULF COAST AQUIFER	14615	Н	TRINITY	LIBERTY	08	146	2,787	2,787	2,787	2,787	2,787	2,787
COUNTY-OTHER	080757146	Н	TRINITY-SAN JACINTO	LIBERTY	146	09		None	GULF COAST AQUIFER	14615	Н	TRINITY-SAN JACINTO	LIBERTY	09	146	187	187	187	187	187	187
COUNTY-OTHER DAISETTA	080757146 080149000	Н	SAN JACINTO NECHES	LIBERTY	146	10		None	GULF COAST AQUIFER	14615	H	SAN JACINTO NECHES	LIBERTY	10 06	146 146	1,294 58	1,294 58	1,294 58	1,294	1,294	1,294
DAISETTA	080149000 080149000	н	NECHES TRINITY	LIBERTY	146 146	06 08		None None	GULF COAST AQUIFER GULF COAST AQUIFER	14615 14615	Н	NECHES TRINITY	LIBERTY	06 08	146	58 91	58 91	58 91	58 91	58 91	58 91
DAYTON	080152000	Н	TRINITY	LIBERTY	146	08		None	GULF COAST AQUIFER GULF COAST AQUIFER	14615	Н	TRINITY	LIBERTY	08	146	1,737	1,737	1,737	1,737	1,737	1,737
HARDIN	080878000	н	TRINITY	LIBERTY	146	08		None	GULF COAST AQUIFER	14615	Н	TRINITY	LIBERTY	08	146	136	136	136	136	136	136
HARDIN WSC	084148000	Н	TRINITY	LIBERTY	146	08		None	GULF COAST AQUIFER	14615	Н	TRINITY	LIBERTY	08	146	567	567	567	567	567	567
IRRIGATION IRRIGATION	081004146 081004146	н	NECHES NECHES	LIBERTY	146 146	06 06	140	None LOWER NECHES VALLEY ALITHORITY	GULF COAST AQUIFER	14615 060A0	Н	NECHES NECHES	RESERVOIR	06 06	000 146	12	12	12	12	12	12
IRRIGATION IRRIGATION	081004146 081004146	н	NECHES NECHES-TRINITY	LIBERTY	146 146	06 07	140	LOWER NECHES VALLEY AUTHORITY  None	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM GULF COAST AQUIFER	060A0 14615	H	NECHES NECHES-TRINITY	LIBERTY	06 07	146	2,500 375	2,500 374	2,500 372	2,500 369	2,500 368	2,500 367
IRRIGATION	081004146	н	NECHES-TRINITY	LIBERTY	146	07		None	TRINITY RIVER RUN-OF-RIVER	3410805271A	Н	TRINITY	RESERVOIR	08	000	392	374	367	356	344	330
IRRIGATION	081004146	н	NECHES-TRINITY	LIBERTY	146	07	140	LOWER NECHES VALLEY AUTHORITY	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	060A0		NECHES	RESERVOIR	06	000	17200	17200	17200	17200	17200	17200
IRRIGATION	081004146	Н	NECHES-TRINITY	LIBERTY	146	07	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	LIBERTY	08	146	1,677	1,651	1,632	1,614	1,590	1,563
IRRIGATION IRRIGATION	081004146 081004146	н	TRINITY	LIBERTY	146 146	08	200000	None CITY OF HOUSTON	GULF COAST AQUIFER TRINITY RIVER RUN-OF-RIVER	14615 3460804277	H	TRINITY	LIBERTY	08	146 146	10367	8078	6416	4597 33000	2447	0
IKKIGATION	UB1UU4146				146 146	08 08	396200	CITY OF HOUSTON None		3460804277 3410805271A	H	TRINITY	LIBERTY RESERVOIR	08 08	146	33000 2108	33000 2123	33000 2133	33000 2144	33000 2156	33000 2170
IRRIGATION	081004146	н	TRINITY	LIBERTY																	

Table 3G.1
Current Water Supplies Available to Region H by City and Category

IRRIGATION	081004146	Н	TRINITY	LIBERTY	146	08	187 TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	LIBERTY	08	146	9,005		9,498		9,969 10	
IRRIGATION IRRIGATION	081004146 081004146	н	TRINITY-SAN JACINTO TRINITY-SAN JACINTO	LIBERTY	146 146	09 09	None None	GULF COAST AQUIFER TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	14615 3460903909	H	TRINITY-SAN JACINTO TRINITY-SAN JACINTO	LIBERTY	09	146 146	5683 685	5643 685	5608 685	5573 685		5507 685
IRRIGATION	081004146	н	SAN JACINTO	LIBERTY	146	10	None	GULF COAST AQUIFER	14615	н	SAN JACINTO	LIBERTY	10	146	830	830	830	830		830
KENEFICK	081033000	Н	TRINITY	LIBERTY	146	08	None	GULF COAST AQUIFER	14615	Н	TRINITY	LIBERTY	08	146	94	94	94	94		94
SUPPLY & SEWER SERVICE	084226000	Н	TRINITY	LIBERTY	146	08	None	GULF COAST AQUIFER	14615	Н	TRINITY	LIBERTY	08	146	108	108	108	108		108
LIBERTY	080356000	H	TRINITY	LIBERTY	146	08	None	GULF COAST AQUIFER	14615 14615	Н	TRINITY	LIBERTY	08	146 146	1,509	1,509	1,509	1,509		1,509
LIVESTOCK	081005146 081005146	н	NECHES NECHES	LIBERTY	146 146	06 06	None None	GULF COAST AQUIFER LIVESTOCK LOCAL SUPPLY	14615 99706146	H H	NECHES NECHES	LIBERTY	06 06	146	59 45	59 45	59 45	59 45		70
LIVESTOCK	081005146	H	NECHES-TRINITY	LIBERTY	146	06	None	GULF COAST AQUIFER	14615	H	NECHES - TRINITY	LIBERTY	06	146	35	35	35	35		35
LIVESTOCK	081005146	н	TRINITY	LIBERTY	146	08	None	GULF COAST AQUIFER	14615	н	TRINITY	LIBERTY	08	146	446	446	446	446		446
LIVESTOCK	081005146	Н	TRINITY-SAN JACINTO	LIBERTY	146	09	None	GULF COAST AQUIFER	14615	Н	TRINITY-SAN JACINTO	LIBERTY	09	146	32	32	32	32	32	15
LIVESTOCK	081005146	Н	TRINITY-SAN JACINTO	LIBERTY	146	09	None	LIVESTOCK LOCAL SUPPLY	99709146	Н	TRINITY-SAN JACINTO	LIBERTY	09	146	0	0	0	0		17
LIVESTOCK	081005146	H	SAN JACINTO	LIBERTY	146 146	10	None	GULF COAST AQUIFER	14615	Н	SAN JACINTO	LIBERTY	10	146	140	140	140	140		140
MANUFACTURING MANUFACTURING	081001146	н	TRINITY SAN JACINTO	LIBERTY	146	08 10	None None	GULF COAST AQUIFER	14615	H	TRINITY SAN JACINTO	LIBERTY	08 10	146	62 331	62 331	62 331	62 331		62 331
MERCY WSC	084253000	н	SAN JACINTO	LIBERTY	146	10	None	GULF COAST AQUIFER	14615	H	SAN JACINTO	LIBERTY	10	146	75	75	75	75		75
MINING	081003146	н	NECHES	LIBERTY	146	06	None	GULF COAST AQUIFER	14615	н	NECHES	LIBERTY	06	146	32	32	32	32		32
MINING	081003146	Н	NECHES-TRINITY	LIBERTY	146	07	None	GULF COAST AQUIFER	14615	Н	NECHES-TRINITY	LIBERTY	07	146	23	23	23	23	23 :	22
MINING	081003146	Н	TRINITY	LIBERTY	146	08	None	GULF COAST AQUIFER	14615	Н	NECHES	LIBERTY	06	146	4070	4026	3982	3940		3841
MINING MINING	081003146 081003146	н	TRINITY TRINITY-SAN JACINTO	LIBERTY	146 146	08	None None	GULF COAST AQUIFER	14615 14615	H	TRINITY TRINITY-SAN JACINTO	LIBERTY	08	146	854 3.717	854 3.717	854 3.717	854 3.717		854 3.717
MINING	081003146	н	SAN JACINTO	LIBERTY	146	10	None	GULF COAST AQUIFER GULF COAST AQUIFER	14615	H	SAN JACINTO	LIBERTY	10	146	3,717	3,717	3,717	3,/1/		34
PLUM GROVE	081054000	н	SAN JACINTO	LIBERTY	146	10	None	GULF COAST AQUIFER	14615	н	SAN JACINTO	LIBERTY	10	146	141	141	141	141		141
SOUTHWEST UTILITIES	084343000	н	SAN JACINTO	LIBERTY	146	10	None	GULF COAST AQUIFER	14615	н	SAN JACINTO	LIBERTY	10	146	14	14	14	14		14
STEAM ELECTRIC POWER	081002146	Н	TRINITY	LIBERTY	146	08	None	GULF COAST AQUIFER	14615	Н	TRINITY	LIBERTY	08	146	2962	2962	2962	2962		2962
WEST HARDIN WSC	084383000	Н	NECHES	LIBERTY	146	06	None	GULF COAST AQUIFER	14615	Н	NECHES	MADISON	06	157	29	29	29	29		29
COUNTY-OTHER COUNTY-OTHER	080757157 080757157	H	TRINITY	MADISON MADISON	157 157	08 08	None None	CARRIZO-WILCOX AQUIFER QUEEN CITY AQUIFER	15710 15724	H	TRINITY TRINITY	MADISON MADISON	08	157	347 95	350 96	350 96	350 96		319 96
COUNTY-OTHER COUNTY-OTHER	080757157	н	TRINITY	MADISON	157	08	None	SPARTA AQUIFER	15724	H	TRINITY	MADISON	08	157	123	90	73	123		123
COUNTY-OTHER	080757157	Н	TRINITY	MADISON	157	08	None	UNDIFFERENTIATED AQUIFER	15722	Н	TRINITY	MADISON	08	157	332	334	334	333		329
COUNTY-OTHER	080757157	Н	BRAZOS	MADISON	157	12	None	SPARTA AQUIFER	15727	н	BRAZOS	MADISON	12	157	106	106	106	106	106 1	106
IRRIGATION	081004157	Н	TRINITY	MADISON	157	08	None	CARRIZO-WILCOX AQUIFER	15710	Н	TRINITY	MADISON	08	157	19	19	19	19		19
LIVESTOCK	081005157 081005157	H	TRINITY BRAZOS	MADISON MADISON	157	08 12	None None	CARRIZO-WILCOX AQUIFER	15710 15710	H	TRINITY BRAZOS	MADISON MADISON	08 12	157 157	630 120	630 120	630 120	630 120		630 120
MADISONVILLE	081005157	н	TRINITY	MADISON	157	08	None None	CARRIZO-WILCOX AQUIFER SPARTA AQUIFER	15727	H	TRINITY	MADISON	12 08	157	781	781	781	781		781
MANUFACTURING	081001157	н	TRINITY	MADISON	157	08	None	CARRIZO-WILCOX AQUIFER	15710	н	TRINITY	MADISON	08	157	260	260	260	260		260
MINING	081003157	н	TRINITY	MADISON	157	08	None	CARRIZO-WILCOX AQUIFER	15710	н	TRINITY	MADISON	08	157	15	15	15	15		15
MINING	081003157	Н	BRAZOS	MADISON	157	12	None	CARRIZO-WILCOX AQUIFER	15710	Н	BRAZOS	MADISON	12	157	9	9	9	9	9	9
NORMANGEE	080927000	Н	TRINITY	MADISON	157	08	None	CARRIZO-WILCOX AQUIFER	15710	Н	TRINITY	MONTGOMERY	08	170	9	9	9	9		9
CONROE CONSUMERS WATER INC.	080130000	H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015 17015	H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	10	170	8610	8317	8532	8610		8610
CONSUMERS WATER INC COUNTY-OTHER	084072000 080757170	Н	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170 170	10	None None	GULF COAST AQUIFER GULF COAST AQUIFER	17015 17015	H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	10	170	171 17512	138 15460	141 17512	142 17512		146 17512
COUNTY-OTHER	080757170	н	SAN JACINTO SAN JACINTO	MONTGOMERY	170	10	396200 CITY OF HOUSTON	GULF COAST AQUIFER GULF COAST AQUIFER	17015	н	SAN JACINTO SAN JACINTO	MONTGOMERY	10	170	381	381	381	381		381
COMPANY	084081000	Н.	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н н	SAN JACINTO	MONTGOMERY	10	170	465	401	429	460		465
CUT AND SHOOT	080854000	н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	MONTGOMERY	10	170	210	210	210	210	210 2	210
EAST PLANTATION UD	084098000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	363	314	338	363		363
H M W SUD	084147000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	MONTGOMERY	10	170	1304	1063	1052	1054		1049
HOUSTON IRRIGATION	080285000 081004170	Н	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170 170	10	396200 CITY OF HOUSTON 240 SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER CONROE LAKE/RESERVOIR	17015 10060	H H	SAN JACINTO SAN JACINTO	RESERVOIR MONTGOMERY	10 10	000 170	190 880	144 880	190 880	190 880		190 880
LIVESTOCK	081004170	H	SAN JACINTO SAN JACINTO	MONTGOMERY	170	10	None SAN JACINTO RIVER AUTHORITY	LIVESTOCK LOCAL SUPPLY	99710170	H	SAN JACINTO SAN JACINTO	MONTGOMERY	10	170	510	510	510	510		510
MAGNOLIA	080907000	н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	MONTGOMERY	10	170	439	439	439	439		439
MANUFACTURING	081001170	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	1572	1330	1202	1098		846
MINING	081003170	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	369	290	242	207		143
MONTGOMERY #18	MONTGOMERY 084261000	H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170 170	10 10	None None	GULF COAST AQUIFER	17015 17015	H H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	10 10	170 170	249 1439	249	249	249 1439		249
#19	084262000	н	SAN JACINTO SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER GULF COAST AQUIFER	17015	н	SAN JACINTO SAN JACINTO	MONTGOMERY	10	170	1439 353	1356 257	1439 207	170		1439
MONTGOMERY COUNTY MUD #		Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	647	625	611	532		341
MONTGOMERY COUNTY MUD #	9 084264000	н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	MONTGOMERY	10	170	612	612	612	573	470 3	385
MONTGOMERY COUNTY UD #2		Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	429	315	251	205		134
MONTGOMERY COUNTY UD #3		Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	373	287	258	239		212
MONTGOMERY COUNTY UD #4 MONTGOMERY COUNTY WCID #		H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170 170	10 10	None None	GULF COAST AQUIFER GULF COAST AQUIFER	17015 17015	H H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	10 10	170 170	754 374	553 292	441 263	361 245		236
NEW CANEY MUD	084272000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GUI F COAST AQUIFER	17015	H	SAN JACINTO	MONTGOMERY	10	170	1123	939	994	1031		1107
OAK RIDGE NORTH	080726000	н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	526	426	413	406	399 3	392
PANORAMA VILLAGE	080732000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	503	389	328	283		202
PATTON VILLAGE	080734000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	H	SAN JACINTO	MONTGOMERY	10	170	87	87	87	87		87
POINT AQUARIUS MUD PORTER WSC	084305000 084307000	H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170 170	10 10	None None	GULF COAST AQUIFER GULF COAST AQUIFER	17015 17015	H H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	10 10	170 170	564 1495	518 1229	564 1243	564 1275		564 828
RAYFORD ROAD MUD	084312000	Н	SAN JACINTO SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER GULF COAST AQUIFER	17015	н	SAN JACINTO SAN JACINTO	MONTGOMERY	10	170	1777	1229	1243	1275 864		566
RIVER PLANTATION MUD	084322000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	MONTGOMERY	10	170	642	469	375	305		200
ROMAN FOREST	080801000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	MONTGOMERY	10	170	544	544	544	544		544
SHENANDOAH	080745000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	1342	1155	1084	1038		946
COUNTY MUD SOUTHWEST UTILITIES	084339000	H	SAN JACINTO	MONTGOMERY	170 170	10	None	GULF COAST AQUIFER	17015 17015	Н	SAN JACINTO SAN JACINTO	MONTGOMERY	10	170 170	1461	1369	1115	949 165		644 168
SOUTHWEST UTILITIES SPLENDORA	084343000 080962000	н	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170	10	None None	GULF COAST AQUIFER GULF COAST AQUIFER	17015 17015	H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	10	170	196 188	160 188	162 188	165		168
SPRING CREEK UD	084344000	н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	MONTGOMERY	10	170	412	349	369	390		412
STAGECOACH	STAGECOACH	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	79	79	79	79		79
STANLEY LAKE MUD	084347000	Н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	Н	SAN JACINTO	MONTGOMERY	10	170	572	516	414	340		223
STEAM ELECTRIC POWER	081002170	н	SAN JACINTO	MONTGOMERY	170	10	240 SAN JACINTO RIVER AUTHORITY	CONROE LAKE/RESERVOIR	10060	H	SAN JACINTO	MONTGOMERY	10	170	7841	7841	7841	7841		7841
STEAM ELECTRIC POWER THE WOODLANDS	081002170 088001000	н	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	170 170	10	None 240 SAN JACINTO RIVER AUTHORITY	GULF COAST AQUIFER GULF COAST AQUIFER	17015 17015	H	SAN JACINTO SAN JACINTO	MONTGOMERY MONTGOMERY	10	170 170	3836 11217	3836 11217	3836 11217	3836 10733		3836 7002
WILLIS	088001000	н	SAN JACINTO SAN JACINTO	MONTGOMERY	170	10	240 SAN JACINTO RIVER AUTHORITY None	GULF COAST AQUIFER	17015	H	SAN JACINTO SAN JACINTO	MONTGOMERY	10	170	11217 437	11217 370	11217 377	10733		7002 405
WOODBRANCH	080807000	н	SAN JACINTO	MONTGOMERY	170	10	None	GULF COAST AQUIFER	17015	н	SAN JACINTO	POLK	10	187	183	183	183	183		183
COUNTY-OTHER	080757187	Н	TRINITY	POLK	187	08	None	GULF COAST AQUIFER	18715	Н	TRINITY	POLK	08	187	1,600	1,600	1,600	1,600	1,600 1,	1,600
SUPPLY & SEWER SERVICE	084226000	Н	TRINITY	POLK	187	08	None	GULF COAST AQUIFER	18715	Н	TRINITY	POLK	08	187	890	890	890	890		890
LIVESTOCK	081005187	Н	TRINITY	POLK	187	08	None	GULF COAST AQUIFER	18715	H	TRINITY	RESERVOIR	08	000	134	134	134	134		134
LIVINGSTON	080362000 081003187	H	TRINITY TRINITY	POLK POLK	187 187	08 08	187 TRINITY RIVER AUTHORITY None	LIVINGSTON-WALLISVILLE SYSTEM GUI F COAST AQUIFER	084H0 18715	H	TRINITY TRINITY	POLK POLK	08	187 187	5,601 29	5,601 29	5,601 29	5,601 29		5,601
ONALASKA	080933000	н	TRINITY	POLK	187	08	None	GULF COAST AQUIFER GULF COAST AQUIFER	18715	н	TRINITY	POLK	08	187	189	189	189	189		189
ONALASKA WSC	084293000	н	TRINITY	POLK	187	08	None	GULF COAST AQUIFER	18715	Н	TRINITY	RESERVOIR	08	000	240	240	240	240		240
ONALASKA WSC	084293000	Н	TRINITY	POLK	187	08	187 TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	672	672	672	672	672 6	672
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Table 3G.1
Current Water Supplies Available to Region H by City and Category

TRINITY RURAL WSC	084363000	Н	TRINITY	POLK	187	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	SAN JACINTO	08	204	6	7	8	8	9	9
COLDSPRING	080122000	Н	TRINITY	SAN JACINTO	204	08		None	GULF COAST AQUIFER	20415	Н	TRINITY	SAN JACINTO	08	204	163	163	163	163	163	163
COLDSPRING	080122000	Н	SAN JACINTO	SAN JACINTO	204	10		None	GULF COAST AQUIFER	20415	Н	SAN JACINTO	RESERVOIR	10	000	44	44	44	44	44	44
COUNTY-OTHER	080757204	Н	TRINITY	SAN JACINTO	204	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	SAN JACINTO	08	204	560	560	560	560	560	560
COUNTY-OTHER	080757204	Н	TRINITY	SAN JACINTO	204	08		None	GULF COAST AQUIFER	20415	Н	TRINITY	SAN JACINTO	08	204	1339	1339	1339	1339	1339	1240
COUNTY-OTHER IRRIGATION	080757204 081004204	н	SAN JACINTO TRINITY	SAN JACINTO SAN JACINTO	204	10 08		None TRINITY RIVER AUTHORITY	GULF COAST AQUIFER	20415 084H0	H	SAN JACINTO TRINITY	RESERVOIR SAN JACINTO	10	000 204	868	868	868	868	868	868
SUPPLY & SEWER SERVICE	081004204	H	TRINITY	SAN JACINTO SAN JACINTO	204	08	187	None	LIVINGSTON-WALLISVILLE SYSTEM GULF COAST AQUIFER	084H0 20415	H	TRINITY	SAN JACINTO SAN JACINTO	08	204	175 206	175 206	175 206	175 206	175 206	175 206
SUPPLY & SEWER SERVICE	084226000		SAN JACINTO	SAN JACINTO	204	10		None	GULF COAST AQUIFER GULF COAST AQUIFER	20415	- "	SAN JACINTO	SAN JACINTO	10	204	95	95	95	95	95	95
LIVESTOCK	081005204	н	TRINITY	SAN JACINTO	204	08		None	GUI F COAST AQUIFER	20415	H	TRINITY	SAN JACINTO	08	204	142	142	142	142	142	142
LIVESTOCK	081005204	н	SAN JACINTO	SAN JACINTO	204	10		None	GULF COAST AQUIFER	20415	н	SAN JACINTO	SAN JACINTO	10	204	142	142	142	142	142	142
MANUFACTURING	081001204	Н	SAN JACINTO	SAN JACINTO	204	10		None	GULF COAST AQUIFER	20415	Н	SAN JACINTO	SAN JACINTO	10	204	48	48	48	48	48	48
MERCY WSC	084253000	н	SAN JACINTO	SAN JACINTO	204	10		None	GULF COAST AQUIFER	20415	Н	SAN JACINTO	SAN JACINTO	10	204	338	338	338	338	338	338
MINING	081003204	Н	TRINITY	SAN JACINTO	204	08		None	GULF COAST AQUIFER	20415	Н	TRINITY	SAN JACINTO	08	204	7	6	6	6	6	6
MINING	081003204	Н	SAN JACINTO	SAN JACINTO	204	10		None	GULF COAST AQUIFER	20415	Н	SAN JACINTO	SAN JACINTO	10	204	23	23	22	21	20	20
POINT BLANK	081056000	Н	TRINITY	SAN JACINTO	204	08		None	GULF COAST AQUIFER	20415	Н	TRINITY	SAN JACINTO	08	204	85	85	85	85	85	85
RIVERSIDE WSC	084323000	Н	TRINITY	SAN JACINTO	204	08		None	GULF COAST AQUIFER	20415	Н	TRINITY	SAN JACINTO	08	204	150	150	150	150	150	150
SAN JACINTO WSC	084328000	Н	TRINITY	SAN JACINTO	204	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	SAN JACINTO	08	204	280	280	280	280	280	280
SAN JACINTO WSC	084328000	Н	TRINITY	SAN JACINTO	204	08		None	GULF COAST AQUIFER	20415	Н	TRINITY	RESERVOIR	08	000	406	406	406	406	406	406
SHEPHERD COUNTY-OTHER	080746000 080757228	Н	TRINITY	SAN JACINTO TRINITY	204 228	08		None TRINITY RIVER AUTHORITY	GULF COAST AQUIFER	20415 084H0	Н	TRINITY TRINITY	RESERVOIR TRINITY	08	000 228	301	301	301	301	301	301 3.171
COUNTY-OTHER COUNTY-OTHER	080757228	Н	TRINITY	TRINITY	228	08 08	187 187	TRINITY RIVER AUTHORITY TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0 084H0	Н	TRINITY	RESERVOIR	08	000	3,171 1056	3,171 1056	3,171 1056	3,171 1056	3,171 1056	3,171 1056
COUNTY-OTHER	080757228	н	TRINITY	TRINITY	228	08	107	None None	LIVINGSTON-WALLISVILLE SYSTEM	22815	н	TRINITY	RESERVOIR	08	000	526	526	526	526	522	502
GROVETON	080255000	Н	TRINITY	TRINITY	228	08	187	TRINITY RIVER AUTHORITY	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	TRINITY	08	228	119	126	127	123	118	113
IRRIGATION	081004228	н н	TRINITY	TRINITY	228	08	187	TRINITY RIVER ALITHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н н	TRINITY	TRINITY	08	228	290	290	290	290	290	290
IRRIGATION	081004228	H	TRINITY	TRINITY	228	08	107	None	GULF COAST AQUIFER	22815	Н	TRINITY	TRINITY	08	228	467	467	467	467	467	467
SUPPLY & SEWER SERVICE	084226000	Н	TRINITY	TRINITY	228	08		None	GULF COAST AQUIFER	22815	Н	TRINITY	TRINITY	08	228	109	109	109	104	98	95
LIVESTOCK	081005228	Н	TRINITY	TRINITY	228	08		None	LIVESTOCK LOCAL SUPPLY	99708228	н	TRINITY	RESERVOIR	08	000	211	211	211	211	211	211
MINING	081003228	Н	TRINITY	TRINITY	228	08		None	GULF COAST AQUIFER	22815	Н	TRINITY	TRINITY	08	228	6	6	6	6	6	6
TRINITY	080610000	Н	TRINITY	TRINITY	228	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	370	370	370	370	370	370
TRINITY	080610000	Н	TRINITY	TRINITY	228	08		None	UNDIFFERENTIATED AQUIFER	22822	Н	TRINITY	WALKER	08	236	170	170	165	152	142	137
TRINITY RURAL WSC	084363000	Н	TRINITY	TRINITY	228	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	279	293	292	280	265	255
CONSOLIDATED WSC	084071000	Н	TRINITY	WALKER	236	08		None	YEGUA-JACKSON AQUIFER	23631	Н	TRINITY	WALKER	08	236	8	8	8	8	8	8
COUNTY-OTHER	080757236	Н	TRINITY	WALKER	236	08	410000	CITY OF HUNTSVILLE	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	WALKER	08	236	1070	826	848	876	922	976
COUNTY-OTHER COUNTY-OTHER	080757236	H	TRINITY	WALKER WALKER	236	08		None	GULF COAST AQUIFER	23615	H	TRINITY	WALKER RESERVOIR	08	236	1398	1671	1826	1266	1003	652
COUNTY-OTHER COUNTY-OTHER	080757236 080757236	H	TRINITY	WALKER	236 236	08		None None	YEGUA-JACKSON AQUIFER	23622 23631	H	TRINITY	WALKER	08	000 236	200 610	200 554	200 546	200 546	200 546	200 546
COUNTY-OTHER COUNTY-OTHER	080757236	н	SAN JACINTO	WALKER	236	10	410000	CITY OF HUNTSVILLE	LIVINGSTON-WALLISVILLE SYSTEM	084H0	н	TRINITY	WALKER	08	236	778	1022	1000	972	926	872
COUNTY-OTHER	080757236	н	SAN JACINTO	WALKER	236	10	410000	None	GUI F COAST AQUIFER	23615	H	SAN JACINTO	RESERVOIR	10	000	3640	1516	1808	1538	1642	1696
COUNTY-OTHER	080757236	Н.	SAN JACINTO	WALKER	236	10		None	YEGUA-JACKSON AQUIFER	23631	Н.	SAN JACINTO	WALKER	10	236	91	91	91	91	91	91
HUNTSVILLE	080292000	Н	TRINITY	WALKER	236	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	1908	1908	1908	1908	1908	1908
HUNTSVILLE	080292000	Н	TRINITY	WALKER	236	08	410000	CITY OF HUNTSVILLE	GULF COAST AQUIFER	23615	Н	TRINITY	WALKER	08	236	687	668	640	608	586	567
HUNTSVILLE	080292000	Н	SAN JACINTO	WALKER	236	10	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	RESERVOIR	08	000	8565	8565	8565	8565	8565	8565
HUNTSVILLE	080292000	Н	SAN JACINTO	WALKER	236	10	410000	CITY OF HUNTSVILLE	GULF COAST AQUIFER	23615	Н	SAN JACINTO	WALKER	10	236	4597	4597	4597	4597	4597	4597
IRRIGATION	081004236	Н	TRINITY	WALKER	236	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	WALKER	08	236	10	10	10	10	10	10
IRRIGATION	081004236	Н	TRINITY	WALKER	236	08		None	GULF COAST AQUIFER	23615	Н	TRINITY	WALKER	08	236	5	4	4	4	4	4
IRRIGATION	081004236	Н	SAN JACINTO	WALKER	236	10		None	GULF COAST AQUIFER	23615	Н	SAN JACINTO	WALKER	10	236	5	5	5	5	5	5
SUPPLY & SEWER SERVICE	084226000 081005236	H	TRINITY	WALKER WALKER	236 236	08		None None	GULF COAST AQUIFER	23615 99708236	H	TRINITY	WALKER WALKER	08	236 236	29 106	29 127	29 138	29 143	28 148	28 154
LIVESTOCK	081005236	н	TRINITY	WALKER	236	08		None	LIVESTOCK LOCAL SUPPLY GULF COAST AQUIFER	23615	н	TRINITY	WALKER	08	236	216	195	184	179	174	168
LIVESTOCK	081005236	н	SAN JACINTO	WALKER	236	10		None	LIVESTOCK LOCAL SUPPLY	99710236	H	SAN JACINTO	WALKER	10	236	0	195	184	8	9	111
LIVESTOCK	081005236	н	SAN JACINTO	WALKER	236	10		None	GULF COAST AQUIFER	23615	н	SAN JACINTO	WALKER	10	236	310	309	298	302	301	299
MANUFACTURING	081001236	H	TRINITY	WALKER	236	08		None	GULF COAST AQUIFER	23615	Н	TRINITY	WALKER	08	236	2631	2422	2111	2312	2352	2369
MANUFACTURING	081001236	Н	SAN JACINTO	WALKER	236	10		None	GULF COAST AQUIFER	23615	Н	SAN JACINTO	WALKER	10	236	577	577	577	577	577	577
MINING	081003236	Н	TRINITY	WALKER	236	08		None	GULF COAST AQUIFER	23615	Н	TRINITY	WALKER	08	236	6	6	6	6	6	6
MINING	081003236	Н	SAN JACINTO	WALKER	236	10		None	GULF COAST AQUIFER	23615	Н	SAN JACINTO	WALKER	10	236	7	7	7	7	7	7
NEW WAVERLY	080926000	Н	SAN JACINTO	WALKER	236	10		None	GULF COAST AQUIFER	23615	Н	SAN JACINTO	RESERVOIR	10	000	218	218	218	218	218	218
RIVERSIDE WSC	084323000	Н	TRINITY	WALKER	236	08		None	GULF COAST AQUIFER	23615	Н	TRINITY	RESERVOIR	08	000	310	305	310	310	310	310
RIVERSIDE WSC	084323000	Н	TRINITY	WALKER	236	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	WALKER	08	236	20	20	20	20	20	20
TRINITY RURAL WSC	084363000	Н	TRINITY	WALKER	236	08	187	TRINITY RIVER AUTHORITY	LIVINGSTON-WALLISVILLE SYSTEM	084H0	Н	TRINITY	WALKER	08	236	22	24	24	23	23	23
WALKER COUNTY RURAL WSC	084372000	Н	TRINITY	WALKER	236	08		None	GULF COAST AQUIFER	23615	Н	TRINITY	WALLER	08	237	563	544	524	496	477	462
WALKER COUNTY RURAL WSC		H	TRINITY	WALKER	236	08	-	None	SPARTA AQUIFER	23627	H	11000111	WALLER	08	237	276	276	276	276	276	276
BROOKSHIRE COUNTY-OTHER	080077000 080757237	H	BRAZOS SAN JACINTO	WALLER	237 237	12 10		None None	GULF COAST AQUIFER GULF COAST AQUIFER	23715 23715	H	BRAZOS SAN JACINTO	WALLER WALLER	12	237 237	673 841	673 841	673 841	673 841	673 841	673 841
COUNTY-OTHER COUNTY-OTHER	080757237	H	BRAZOS	WALLER	237	10		None None	GULF COAST AQUIFER GULF COAST AQUIFER	23/15	H	SAN JACINTO BRAZOS	WALLER	10	237	841 685	841 685	841 685	841 685	685	685
HEMPSTEAD	080757237	Н	BRAZOS	WALLER	237	12		None	GULF COAST AQUIFER  GULF COAST AQUIFER	23715	н	BRAZOS	WALLER	12	237	1457	1457	1457	1457	1457	1457
IRRIGATION	081004237	Н	SAN JACINTO	WALLER	237	10		None	GULF COAST AQUIFER	23715	Н	BRAZOS	WALLER	12	237	7700	7226	7701	8100	8100	7752
IRRIGATION	081004237	н	SAN JACINTO	WALLER	237	10		None	GULF COAST AQUIFER	23715	н	SAN JACINTO	HARRIS	10	101	10,453	10,453	10,452	10040	9737	9537
IRRIGATION	081004237	Н	BRAZOS	WALLER	237	12		None	BRAZOS RIVER ALLUVIUM AQUIFER	23705	н	BRAZOS	WALLER	12	237	4825	4825	4825	4825	4825	4825
KATY	080312000	н	SAN JACINTO	WALLER	237	10		None	GULF COAST AQUIFER	10115	Н	SAN JACINTO	WALLER	10	237	283	283	91	106	106	106
LIVESTOCK	081005237	Н	SAN JACINTO	WALLER	237	10		None	LIVESTOCK LOCAL SUPPLY	99710237	Н	SAN JACINTO	WALLER	10	237	90	90	90	90	102	107
LIVESTOCK	081005237	Н	SAN JACINTO	WALLER	237	10		None	GULF COAST AQUIFER	23715	Н	SAN JACINTO	WALLER	10	237	232	232	232	232	220	215
LIVESTOCK	081005237	Н	BRAZOS	WALLER	237	12		None	LIVESTOCK LOCAL SUPPLY	99712237	Н	BRAZOS	WALLER	12	237	232	232	232	232	242	277
LIVESTOCK	081005237	Н	BRAZOS	WALLER	237	12		None	GULF COAST AQUIFER	23715	Н	BRAZOS	WALLER	12	237	78	78	78	78	68	33
MANUFACTURING	081001237	Н	SAN JACINTO	WALLER	237	10		None	GULF COAST AQUIFER	23715	Н	SAN JACINTO	WALLER	10	237	72	72	72	72	72	72
MANUFACTURING	081001237	Н	BRAZOS	WALLER	237	12		None	GULF COAST AQUIFER	23715	Н	BRAZOS	WALLER	12	237	17	17	17	17	17	17
MINING	081003237	H	SAN JACINTO	WALLER	237	10		None	GULF COAST AQUIFER	23715	H	SAN JACINTO	WALLER	10	237	6 -	6	6	6	6	6
MINING	081003237 080938000	H	BRAZOS	WALLER WALLER	237	12		None	GULF COAST AQUIFER GULF COAST AQUIFER	23715	H	BRAZOS	WALLER	12	237	117	7	/	7	7	7
		H	BRAZOS		237	12	1	None		23715	Н	BRAZOS	WALLER	12	237	117	117 124	117		117 124	117
PINE ISLAND		ш	CAN IACINTO	WALLED																	
PRAIRIE VIEW	080485000	Н	SAN JACINTO BRAZOS	WALLER	237	10		None None	GULF COAST AQUIFER	23715	Н	SAN JACINTO BRAZOS	WALLER					124	124		
		H H	SAN JACINTO BRAZOS SAN JACINTO	WALLER WALLER WALLER	237 237 237	10 12 10		None None None	GULF COAST AQUIFER GULF COAST AQUIFER GUI F COAST AQUIFER	23715 23715 23715	H	SAN JACINTO BRAZOS SAN JACINTO	WALLER WALLER WALLER	10 12 10	237	1129 1129 416	1129 416	124 1129 416	124 1129 416	124 1129 416	1129

## **APPENDIX 3H.1**

Current Water Supplies Available to Region H by Wholesale Water Provider

Table 3H.1 Current Water Supplies Available to the RWPG by Wholesale Water Provider

1444/D 14		Source	Source WWP	Source	0 10	0 11		Supply (acre-feet per year)							
WWP Name	WWP Number	Туре	Number	RWPG	Source ID	Source Name	2010	2020	2030	2040	2050	2060			
BAYTOWN AREA WATER AUTHORITY	15	03	396200	Н	084H0	LIVINGSTON-WALLISVILLE SYSTEM	17,534	17,534	17,534	17,534	17,534	17,534			
						SAM RAYBURN-STEINHAGEN									
LOWER NECHES VALLEY AUTHORITY CHAMBERS LIBERTY COUNTIES	140	03		- 1	060A0	LAKE/RESERVOIR SYSTEM	65,938	65,888	65,838	65,788	65,738	65,688			
NAVIGATIONAL DISTRICT	150	00	396200	н	3460804279B	TRINITY RIVER RUN-OF-RIVER	44.788	44.788	44.788	44.788	44.788	44.788			
						LIVINGSTON-WALLISVILLE	,	,	,	,	,	,			
TRINITY RIVER AUTHORITY	187	03		Н	084H0	SYSTEM	50,604	50,628	50,629	50,612	50,593	50,578			
SAN JACINTO RIVER AUTHORITY	240	03		Н	10060	CONROE LAKE/RESERVOIR	21,698	21,698	21,698	21,698	21,698	21,698			
SAN JACINTO RIVER AUTHORITY	240	01		Н	17015	GULF COAST AQUIFER	11,217	11,217	11,217	10,733	8,636	7,002			
SAN JACINTO RIVER AUTHORITY	240	00		н	3461004964	SAN JACINTO RIVER RUN-OF- RIVER	37,347	37,347	37,347	37,347	37,347	37,347			
SAN JACINTO RIVER AUTHORITY	240	00		Н	3410805271B	TRINITY RIVER RUN-OF-RIVER	31,223	31,223	31,223	31,223	31,223	31,223			
						BRAZOS RIVER AUTHORITY MAIN									
GULF COAST WATER AUTHORITY	325	03	331	Н	120E0	STEM STYSTEM	41,361	41,361	41,361	41,361	41,361	41,361			
GULF COAST WATER AUTHORITY	325	00		Н	3461205168	BRAZOS RIVER RUN-OF-RIVER	80,827	80,825	80,826	80,827	80,826	80,827			
GULF COAST WATER AUTHORITY	325	00		Н	3461205171	BRAZOS RIVER RUN-OF-RIVER	35,725	35,725	35,725	35,725	35,725	35,725			
GULF COAST WATER AUTHORITY	325	00		н	3461105357A	SAN JACINTO-BRAZOS RIVER RUN-OF-RIVER	13,541	13,541	13,541	13,541	13,541	13,541			
GULF COAST WATER AUTHORITY	325	00		Н	3461205322B	BRAZOS RIVER RUN-OF-RIVER	34,063	34,063	34,063	34,063	34,063	34,063			
BRAZOS RIVER AUTHORITY	331	03		G	120E0	BRAZOS RIVER AUTHORITY MAIN STEM STYSTEM	23,900	23,900	23,900	23,900	23,900	23,900			
BRAZOS RIVER AUTHORITI	331	03		G	120E0	SAN JACINTO-BRAZOS RIVER	23,900	23,900	23,900	23,900	23,900	23,900			
FORT BEND CO. WCID 1	380	00	325	н	3461105170	RUN-OF-RIVER	1,000	1,000	1,000	1,000	1,000	1,000			
						LIVINGSTON-WALLISVILLE									
LA PORTE AREA WATER AUTHORITY	1095	03	396200	Н	084H0	SYSTEM	9,750	9,750	9,750	9,750	9,750	9,750			
BRAZOSPORT WATER AUTHORITY	2000	00	396200	Н	3461205366	BRAZOS RIVER RUN-OF-RIVER LIVINGSTON-WALLISVILLE	8,742	8,742	8,742	8,742	8,742	8,742			
CLEAR LAKE CITY WATER AUTHORITY	159000	03	396200	н	084H0	SYSTEM	26,876	26,876	26,876	26,876	26,876	26,876			
THE DOW CHEMICAL CO.	237200	00		Н	3461205328B	BRAZOS RIVER RUN-OF-RIVER	137,475	137,475	137,475	137,475	137,475	137,475			
CITY OF GALVESTON	316200	00	325	Н	3461205168	BRAZOS RIVER RUN-OF-RIVER	901	1,034	1,111	1,147	1,173	1,189			
CITY OF GALVESTON	316200	00	325	Н	3461205171	BRAZOS RIVER RUN-OF-RIVER	24,217	24,217	24,217	24,217	24,217	24,217			
GALVESTON COUNTY WCID #1	316325	01	325	Н	08415	GULF COAST AQUIFER	309	309	309	309	309	309			
GALVESTON COUNTY WCID #1	316325	00	325	Н	3461205168	BRAZOS RIVER RUN-OF-RIVER	2,091	2,091	2,091	2,091	2,091	2,091			
GALVESTON COUNTY WCID #1	316325	00	325	Н	3461205171	BRAZOS RIVER RUN-OF-RIVER	1,141	1,141	1,141	1,141	1,141	1,141			
CITY OF HOUSTON	396200	01		Н	07915	GULF COAST AQUIFER	1,309	1,178	784	623	474	407			
CITY OF HOUSTON CITY OF HOUSTON	396200 396200	03		H	10030 10115	HOUSTON LAKE/RESERVOIR GULF COAST AQUIFER	126,545 80.561	126,545 80.555	126,545 79.345	126,545 79,345	126,544 79,345	126,545 79,345			
CITY OF HOUSTON	396200	01		H	17015	GULF COAST AQUIFER  GULF COAST AQUIFER	527	525	79,345 527	79,345 527	79,345 527	79,345 527			
CITY OF HOUSTON	396200	00		Н	3460804277	TRINITY RIVER RUN-OF-RIVER	33,000	33,000	33,000	33,000	33,000	33,000			
GITT OF TIGOGRAM	330200	- 00		- "	3400004211	LIVINGSTON-WALLISVILLE	33,000	55,000	55,000	33,000	33,000	33,000			
CITY OF HOUSTON	396200	03		н	084H0	SYSTEM	349,540	376,392	426,430	464,066	504,099	547,305			
COASTAL WATER AUTHORITY (Included in															
the COH)	396201	03		Н	10030	HOUSTON LAKE/RESERVOIR	34,849	34,849	34,849	34,849	34,849	34,849			
COASTAL WATER AUTHORITY (Included in the COH)	396201	03		н	084H0	LIVINGSTON-WALLISVILLE SYSTEM	298.761	300.043	301.800	303,078	304,831	306,916			
						BRAZOS RIVER AUTHORITY MAIN		,.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,.			
TEXAS GENCO	398300	03	331	G	120E0	STEM STYSTEM	83,000	83,000	83,000	83,000	83,000	83,000			
TEXAS GENCO	398300	00		н	3460903926	TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	30,000	30,000	30,000	30,000	30,000	30,000			
TEXAS GENCO	398300	00		Н	3461205320	BRAZOS RIVER RUN-OF-RIVER	20,500	20.500	20.500	20,500	20,500	20,500			
TEXAS GENCO	398300	00		Н	3461205325	BRAZOS RIVER RUN-OF-RIVER	28,711	28,711	28,711	28,711	28,711	28,711			
CITY OF HUNTSVILLE	410000	01	187	н	23615	GULF COAST AQUIFER	5,284	5,265	5,237	5,205	5,183	5,164			
						LIVINGSTON-WALLISVILLE	.,		,		.,				
CITY OF HUNTSVILLE	410000	03	187	Н	084H0	SYSTEM	1,848	1,848	1,848	1,848	1,848	1,848			
CITY OF PASADENA	651900	01	396200	Н	10115	GULF COAST AQUIFER	8,729	8,729	8,729	8,729	8,729	8,729			
CITY OF PASADENA	651900	03	396200	н	084H0	LIVINGSTON-WALLISVILLE SYSTEM	29.895	29,896	29,895	29,895	29,895	29,895			
CHCRWA	CHCRWA	03	396200	H	10030	HOUSTON LAKE/RESERVOIR	29,895	29,896	29,895	29,895	29,895	29,895			
CHCRWA	CHCRWA	03	303200	Н	10115	GULF COAST AQUIFER	2,659	1.694	908	859	840	820			
NFBWA	NFBWA	01		н	07915	GULF COAST AQUIFER	21,678	20,263	12,920	16,048	16,612	16,913			
NFBWA	NFBWA	01		Н	10115	GULF COAST AQUIFER	707	309	158	137	119	104			
						LIVINGSTON-WALLISVILLE									
NFBWA	NFBWA	03	396200	Н	084H0	SYSTEM	0	21,434	21,434	21,434	21,434	21,434			
NHCRWA	NHCRWA	03	396200	Н	10030	HOUSTON LAKE/RESERVOIR	34,714	34,714	34,714	34,714	34,714	34,714			
NHCRWA	NHCRWA	01		Н	10115	GULF COAST AQUIFER LIVINGSTON-WALLISVILLE	57,916	31,641	19,569	19,569	19,569	19,569			
WHCRWA	WHCRWA	03	396200	н	084H0	SYSTEM	20,437	20,437	20,437	20,437	20,437	20,437			
WHCRWA	WHCRWA	01		Н	07915	GULF COAST AQUIFER	1,605	1,392	1,427	1,366	1,262	1,156			
WHCRWA	WHCRWA	01	i	H	10115	GULF COAST AQUIFER	40,049	20,300	12,204	11,610	10,649	9,675			

### **APPENDIX 3H.2**

Current Surface Water Supplies by Category of Use by Basin by Wholesale Water Provider

Table 3H.2

Current Surface Water Supply by Category of Water Use by Basin by Wholesale Water Provider

WWP Name	WWP Number	Source WWP Number	Source ID	Source Name	County	Basin	Use	2010	2020	Supply (ac		•	2050	2060	Comments	
BAYTOWN AREA WATER AUTHORITY	15	396200	08400	LIVINGSTON LAKE/RESERVOIR	RESERVOIR	TRINITY	Municiple	17,534			17,5	_	$\overline{}$	17 53/	17,534 is contracted from the City of Houston. The water is permited for use in Harris County San Jacinto & Trinity-	
BATTOWN AREA WATER A BATTON	10	030200	00400	ENWOOTON BINE/REGERVOIR	REGERVOIR	1101111				,					San Jacinto Basins, and in Chambers County, Trinity-San Jacinto Basin.	
					RESERVOIR		Irrigation	50 16,400	50	50	16,4		50		Permitted for use in Brazoria & Fort Bend Counties, Brazos Basin.  Permitted fur use in Brazoria County, Brazos Basin.	
BRAZOS RIVER AUTORITY	331		120B0	BRAZOS RIVER AUTHORITY SYSTEM		BRAZOS	Manufacturing								7,500 Contracted directly from BRA, 48,081 Contracted to GCWA for Municipal and Industrial use. Permitted for use	
	551		12050	BRAZOG RIVER AGTHORITT GTGTEW		BINAZOO	Municipal	55,581	55,58	55,581	55,5	81 55	,581	55,581	in Galveston County, San Jacinto-Brazos Basin.	
							Steam Electric	83,000	83,00	00 83,000	83,0	00 83	3,000	83,000	Contracted by NRG	
BRAZOSPORT WATER AUTHORITY	2000		3461205366	BRAZOS RIVER RUN-OF-RIVER	BRAZORIA	BRAZOS	Manufacturing	538	538	538	53	8 5	538	538		
	2000						Municipal	8,205	-, -	5 8,205	8,2		,	-,	Permitted for use in Brazoria County, San Jacinto-Brazos, Brazos-Colorado, & Brazos Basins.	
CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY		396200	10030	HOUSTON LAKE/RESERVOIR	RESERVOIR	TRINITY	Municipal	2,375	2,37		2,3		,375	,		
CHAMBERS LIBERTY COUNTY NAVIGATIONAL DISTRICT	150		3460804279	TRINITY RIVER RUN-OF-RIVER	CHAMBERS	TRINITY	Irrigation	40,000	40,00		40,0				Permitted for use in Chambers County, Trinity & Neches-Trinity Basins.	
				HOUSTON LAKE/RESERVOIR LIVINGSTON LAKE/RESERVOIR	RESERVOIR RESERVOIR	SAN JACINTO TRINITY	Municipal Municipal	4,788 57,526	4,78 57.52		4,75 57,5				Permitted for use in Chambers County, Trinity & Neches-Trinity Basins.  Contract with WHCRWA, NHCRWA and CHCRWA.	
'			10030				Manufacturing	89,499	. ,.	9 89.499				89,499		
							Steam Electric	14,369	, .	9 14,369	/		1,369	,		
CITY OF HOUSTON	396200						Municipal	472,912	472.0	12 472,912	172	212 47	2 012	172 012	Permitted for water use in Brazoria County, San Jacinto-Brazos Basin, Harris County, San Jacinto, San Jacinto-	
							Municipal				472,912	912 47.	2,912	+72,912	Permitted for water use in Brazoria County, San Jacinto-Brazos Basin, Harris County, San Jacinto, San Jacinto-Brazos, and Trinity-San Jacinto Basins, Montgomery County, San Jacinto Basin.	
							Manufacturing	293,107		, .		107 29	3,107	293,107	Permitted for use in Harris County, San Jacinto Basin.	
CITY OF HUNTSVILLE	410000	240	3460804277 08400	TRINITY RIVER RUN-OF-RIVER LIVINGSTON-WALLISVILLE LAKE/RESERVOIR	POLK RESERVOIR	TRINITY TRINITY	Irrigation	33,000 22,403		33,000 3 22,403	33,0 22,4		3,000		Permitted for use in Walker County, San Jacinto & Trinity Basins.	
							Municipal Municipal	24,855		5 24,855	24.8				Permitted for use in Walker County, San Jacinto & Trinity Basins.  Permitted for use in Harris County, San Jacinto & San Jacinto-Brazos Basins.	
CITY OF PASADENA	651900	396200	08400	LIVINGSTON LAKE/RESERVOIR	RESERVOIR	TRINITY	Manufacturing	5,040	5.04		5.0				Permitted for use in Harris County, San Jacinto & San Jacinto-Brazos Basins.	
CLEAR LAKE WATER AUTHORITY	159000	396200	08400	LIVINGSTON LAKE/DESERVOIR	RESERVOIR	TRINITY	Municipal	25,084	25,08	4 25,084	25,0	84 25			Contracted from City of Houston. Permitted for use in Harris County, San Jacinto Basin.	
CLEAR LAKE WATER AUTHORITY	159000	396200		LIVINGSTON LAKE/RESERVOIR	RESERVOIR	TRINITY	Manufacturing	1,792	1,79		1,7				Contracted from City of Houston. Permitted for use in Harris County, San Jacinto & San Jacinto-Brazos Basin.	
FORT BEND COUNTY WCID 1	380		3461105170	SAN JACINTO-BRAZOS RUN-OF-RIVER	FORT BEND	SAN JACINTO-BRAZOS	Manufacturing	1,000			1,0		,000			
GALVESTON COUNTY WCID #1	316325	325	3412010	BRAZOS RIVER COMBINED RUN-OF-RIVER	FORT BEND	BRAZOS	Municipal	3,232 83,577	3,23 83.57		3,2 83.5				Permitted for use in Galveston County, San Jacinto-Brazos Basin.	
			3412010	BRAZOS RIVER COMBINED RUN-OF-RIVER	FORT BEND		Municipal Manufacturing	91.789		9 91.789	00,0				Permitted for use in Fort Bend & Galveston Counties, San Jacinto-Brazos Basin.  Permitted for use in Brazoria County, San Jacinito-Brazos Basin.	
							Mining	583	583	. ,	58		583	. ,	Permitted for use in Fort Bend County, San Jacinito-Brazos Basin.	
GULF COAST WATER AUTHORITY	325					BRAZOS	Irrigation	15,930	15,93	15,930	15,9	30 15	5,930	15,930	Permitted for use in Galveston County, San Jacinto-Brazos Basin, Fort Bend County, San Jacinto, Brazos, and San Jacinto-Brazos Basin, Harris County, San Jacinto & San Jacinto-Brazos Basins, and Brazoria County, San Jacinto-Brazos Basin.	
		331	120B0	BRAZOS RIVER AUTHORITY SYSTEM	RESERVOIR	BRAZOS	Manufacturing	21,636	21,63	6 21,636	21,6	36 21	,636	21,636		
		331	120B0	BRAZOS RIVER AUTHORITY SYSTEM	RESERVOIR	BRAZOS	Municipal	21,636		6 21,636	21,6		,636			
LA PORTE AREA WATER AUTHORITY	1095	396200	08400	LIVINGSTON LAKE/RESERVOIR	RESERVOIR	TRINITY	Municipal	9,750	9,75	9,750	9,7	50 9,	,750	9,750	Permitted for use in Harris County, San Jacinto & San Jacinto-Brazos Basins.	
				SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	RESERVOIR	NECHES	Municipal	8,238	8,23	8,238	8,2	38 8,	,238	8,238	Permitted for use in Chambers & Liberty Counties, Neches-Trinity Basin.	
LOWER NECHES VALLEY AUTHORITY	140		060A0				Irrigation	57,700	57,70	57,700	57,7	00 57	7,700	57,700	Permitted for use in Chambers County, Trinity & Neches-Trinity Basins, and in Galveston County, Neches-Trinity Basin.	
LYONDELL - CITGO REFINNING		396200	08400	LIVINGSTON LAKE/RESERVOIR	RESERVOIR	TRINITY	Manufacturing	23,404	23,40	23,404	23,4	04 23				
							Steam Electric	16,733	-, -	-, -,	16,7		5,733	-,		
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY		396200	10030	HOUSTON LAKE/RESERVOIR	RESERVOIR	TRINITY	Municipal Municipal	34,714 4,578		4 34,714 8 4,578	34,7		,714 ,578	- /		
			3461004964	SAN JACINTO RIVER RUN-OF-RIVER	HARRIS	SAN JACINTO	Manufacturing	31,293		3 31,293	4,5			31,293		
SAN JACINTO RIVER AUTHORITY			0101001001	G. W. G. College Colle		0/11/0/1011/10	Irrigation	1,476			1,4			1,476		
	240		3410805271B	TRINITY RIVER RUN-OF-RIVER	LIBERTY	TRINITY	Manufacturing	31,223	31,22	31,223	31,2	23 31	,223	31,223	Permitted for use in Harris County, San Jacinto Basin.	
							Manufacturing	12,977	12,97	7 12,977	12,9				Permitted for use in Harris County, Trinity-San Jacinto Basin.	
			61004963B	CONROIE LAKE/RESERVOIR - SJRA	MONTGOMERY	SAN JACINTO	Irrigation	880	880	_	88		380	880		
			3460903926	TRINITY-SAN JACINTO RIVER RUN-OF-RIVER	CHAMBERS	TRINITY-SAN JACINTO	Steam Electric Steam Electric	7,841 30,000	7,84	7,841 0 30,000	7,8- 30,0		,841			
TEV40 051400		1				BRAZOS	Steam Electric	8,500	8,50		8,5		,500	,		
			3461205320	BRAZOS RIVER RUN-OF-RIVER	FORT BEND		Irrigation	12,000			12,0		2,000			
TEXAS GENCO	398300		3461205325	BRAZOS RIVER RUN-OF-RIVER	FORT BEND	BRAZOS	Steam Electric	28,711	28,71		28,7		3,711			
		331	120B0	BRAZOS RIVER AUTHORITY SYSTEM	RESERVOIR	BRAZOS	Steam Electric	83,000		00 83,000	83,0	**	3,000	,		
	<b> </b>	325	3412010 3461205328B	BRAZOS RIVER COMBINED RUN-OF-RIVER BRAZOS RIVER RUN-OF-RIVER	RESERVOIR FORT BEND	BRAZOS BRAZORIA	Steam Electric  Manufacturing	2,231 137,475	2,23	1 2,231 75 137,475	2,2			2,231 137,475	Permitted for use in Galveston County, San Jacinto-Brazos Basin.	
THE DOW CHEMICAL CO.	237200	331	120B0	BRAZOS RIVER RUN-OF-RIVER BRAZOS RIVER AUTHORITY SYSTEM	RESERVOIR	BRAZORIA	Manufacturing	16,000	16.00		16.0				Contracted from BRA	
		551	.2320	S. S. E. GO T. S. T. G.		2200	Municipal	34,493	- ,	3 34,493	- , -		,	-,	Includes 22,403 acre-ft per year contracted to City of Hunstville	
TRINITY DIVER AUTUSPITY	187		08400	LIVINGSTON WALLISVILLE LAVE/DESERVOID	DECEDVOID	TRINITY	Manufacturing	26,721		26,721		21 26				
TRINITY RIVER AUTHORITY	187		08400	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR	RESERVOIR	IKINIIY	Irrigation	27,995	27,99	27,995	27,9	95 27	,995	27,995	Permitted for use in Chambers County, Neches-Trinity Basin, Liberty County, Neches & Neches-Trinity Basins, San Jacinto, Trinity, and Walker Counties, Trinity Basin.	
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY		396200	08400	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR	RESERVOIR	TRINITY	Municipal	20,437	20,43	20,437	20,4	37 20	,437	20,437	Permitted for use in Harris and Fort Bend Counties, San Jacinto Basin.	

## **APPENDIX 3I**

Upper Basin Return Flow and Lake Livingston Firm Yield Analysis

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## Section 1 – Executive Summary

#### 1.1 Introduction

Return flows have an important impact on the magnitude and reliability of downstream water rights and have been carefully considered by the Region H Water Planning Group in previous regional water plans. Region H is comprised of eight river and coastal basins with several river basins extend though multiple planning regions. The Trinity River Basin is a major source of water supplies for both Region C and Region H. As a result, projected water demands and water management strategies in both regions have the ability to influence water supply availability. Coordination between lower Trinity Basin supplies located in Region H and upper Trinity Basin supplies in Region C is necessary to protect the firm yield of downstream water rights. During the development of both the 2001 and 2006 Region H Water Plans, the importance of upper basin return flows was recognized.

During the 2006 Region H Regional Water Plan, the firm yield of the Lake Livingston water rights was evaluated assuming that a minimum level of return flows would be available from the upper Trinity Basin throughout the planning period. The 2006 Region H Regional Water Plan took into account future conditions in the Trinity Basin by analyzing the 2060 projected return flows and proposed water management strategies. However, an analysis confirming the minimum level of return flows necessary to make the Lake Livingston water rights firm was not performed. Additionally, a decadal analysis was not performed to verify that the level of return flows projected from the upper Trinity Basin would be sufficient to firm up the Lake Livingston water rights. The analysis concluded that the permitted yield of Lake Livingston would be available throughout the planning period.

### 1.2 Purpose of Study

As part of the 2011 Region H Regional Water Plan, specific scope items were included to review and evaluate the 2006 Region C Regional Water Plan. The study focused on determining the level of Upper Trinity Basin return flows projected in each planning decade as a result of increased demands and levels of reuse. The Water Rights Analysis Package (WRAP) was utilized to perform the following tasks:

- Evaluate return flows available to Region H at the Oakwood Gage.
- Determine if projected return flows would be sufficient to maintain the firm yield of the Lake Livingston water rights for each planning decade.
- Identify the minimum level of return flows necessary to maintain the firm yield.
- Perform a decadal firm yield analysis on Lake Livingston water rights.

## Section 2 – Projected Return Flows

Lake Livingston is dependent upon return flows from upstream Region C in the upper Trinity Basin. As a result of its downstream location, Lake Livingston indirectly benefits from growth in the Dallas—Fort Worth Metroplex. As upstream demands increase in Region C, it is anticipated that the importation of out-of-basin supplies will increase, providing additional return flows to the lower basin. Although return flows will likely increase over time, the timing of developing reuse supplies may have an adverse effect on the Lake Livingston water rights, temporarily reducing the in-basin return flows. To calculate the projected level of return flows in the upper Trinity Basin, a desktop analysis of Region C WUG demands and reuse strategies was performed and compared to previous estimates performed by the Region C Consultant.

The analysis was performed in the following order:

- Region C WUG Demands in the Trinity Basin were obtained from the TWDB DB07 database.
- Region C conservation strategies for WUGs in the Trinity Basin were totaled from the TWDB BD07 database.
- Net demands were calculated by subtracting conservation strategy volumes from WUG demands.
- Total return flows were calculated by assuming return flow factors (RFs) from the 2008 Region C draft Conservation and Reuse Study (December, 2008).
- Existing and proposed reuse strategies were summarized from information in the 2006 Region C Regional Water Plan, Chapter 3.
- The net instream return flows in Region C were estimated by subtracting proposed reuse volumes from total return flows.

## 2.1 Region C Demands

Region C demands from the 2006 Region C Regional Water Plan were summarized using data obtained from the TWDB DB07 online database. Table 1 lists the municipal demands in the upper Trinity Basin by county and decades. Demands in the upper Trinity Basin are projected to increase to approximately 3,000,000 million acre-feet/year by 2060. The largest demand centers are Dallas, Collin, Denton and Tarrant Counties which encompass the Dallas-Fort Worth Metroplex. A full list of the WUGs and projected water demand summarized in the table below is provided in Appendix A.

Table 1 Projected Municipal Demands in the Upper Trinity Basin by County

Values in Acre-feet per Year

County	2010	2020	2030	2040	2050	2060
Collin	205,085	283,825	338,957	403,157	463,042	528,034
Cooke	6,806	7,711	8,658	9,459	10,641	11,669
Dallas	664,648	744,647	798,544	849,619	926,206	1,032,662
Denton	160,915	215,320	270,575	318,575	367,531	423,718
Ellis	27,766	35,225	43,561	52,850	63,927	77,145
Fannin	717	876	1,226	1,822	2,594	3,293

County	2010	2020	2030	2040	2050	2060
Freestone	2,831	3,127	3,321	3,498	3,663	3,828
Grayson	4,643	7,463	9,413	10,703	11,916	13,032
Henderson	10,316	12,495	14,645	16,862	19,553	22,888
Jack	1,089	1,177	1,256	1,321	1,385	1,449
Kaufman	17,835	25,020	30,198	34,950	40,226	46,845
Navarro	9,637	10,748	11,730	12,817	14,109	15,712
Parker	15,697	27,903	37,011	41,868	47,113	51,875
Rockwell	15,720	24,933	30,700	34,588	36,757	38,445
Tarrant	376,889	434,790	488,467	550,239	626,628	713,176
Wise	10,801	15,310	18,991	22,501	26,814	31,494
Total	1,531,395	1,850,570	2,107,253	2,364,829	2,662,105	3,015,265

The industrial demands in the Upper Trinity Basin are listed in Table 2 by County and decade and are projected to increase to nearly 100,000 acre-feet/year by 2060. The largest demand centers are Dallas and Tarrant Counties part of the Dallas-Fort Worth Metroplex. A full list of the WUGs and projected water demand summarized in the table below is provided in Appendix B.

Table 2 Projected Industrial Demands by County

Values in Acre-feet per Year

County	2010	2020	2030	2040	2050	2060
Collin	3,607	4,137	4,654	5,170	5,633	6,115
Cooke	273	306	335	364	389	421
Dallas	34,115	37,791	41,148	44,214	46,703	46,983
Denton	1,068	1,239	1,408	1,579	1,731	1,880
Ellis	3,466	3,670	3,841	3,987	4,089	3,912
Fannin	0	0	0	0	0	0
Freestone	0	0	0	0	0	0
Grayson	2	2	2	2	2	2
Henderson	110	118	133	151	172	195
Jack	0	0	0	0	0	0
Kaufman	760	813	869	928	993	1,061
Navarro	1,172	1,328	1,468	1,607	1,730	1,872
Parker	548	618	685	751	809	878
Rockwell	12	14	16	17	19	21
Tarrant	17,258	20,444	23,630	26,924	29,919	32,457
Wise	2,313	2,660	2,979	3,277	3,539	3,858
Total	64,704	73,140	81,168	88,971	95,728	99,655

## 2.2 Projected Conservation

Projected Conservation supplies are listed below in Table 3 by County. A full list of the WUGs and projected water demand summarized in the table below is provided in Appendix C.

**Table 3 Projected Conservation by County** 

Values in Acre-feet per Year

County	2010	2020	2030	2040	2050	2060
Collin	3,607	4,137	4,654	5,170	5,633	6,115
Cooke	273	306	335	364	389	421
Dallas	34,115	37,791	41,148	44,214	46,703	46,983
Denton	1,068	1,239	1,408	1,579	1,731	1,880
Ellis	3,466	3,670	3,841	3,987	4,089	3,912
Fannin	0	0	0	0	0	0
Freestone	0	0	0	0	0	0
Grayson	2	2	2	2	2	2
Henderson	110	118	133	151	172	195
Jack	0	0	0	0	0	0
Kaufman	760	813	869	928	993	1,061
Navarro	1,172	1,328	1,468	1,607	1,730	1,872
Parker	548	618	685	751	809	878
Rockwell	12	14	16	17	19	21
Tarrant	17,258	20,444	23,630	26,924	29,919	32,457
Wise	2,313	2,660	2,979	3,277	3,539	3,858
Total	64,704	73,140	81,168	88,971	95,728	99,655

### 2.3 Recommended Region C Reuse Projects

Currently, direct and indirect reuse projects account for nearly 100,000 acre-feet/year of existing supply in Region C. According to 2006 Region C Water Plan, the proposed future adoption of reuse is anticipated to provide approximately 771,000 acre-feet per year of water to meet demand in Region C by 2060. The total amount of reuse recommended in the plan is approximately 795,500 acre-ft per year. Two types of reuse projects are recommended in the 2006 Region C Water Plan, direct and indirect reuse.

#### 2.3.1 Direct Reuse Projects

The majority of the existing reuse projects identified in the 2006 Region C Water Plan are direct reuse projects. Direct reuse projects typically supply water for landscape irrigation (golf courses) and industrial uses (cooling water for electric power plants) by delivering treated wastewater effluent directly from a wastewater treatment facility. Direct reuse projects require notification of the Texas Commission on Environmental Quality (TCEQ) and must comply with direct reuse regulations in Title 30, Chapter 210 of the Texas Administrative Code. Recommended direct reuse projects included in the 2006 Region C Water Plan are listed below.

Table 4 Region C Recommended Direct Reuse Projects

Values in Acre-feet per Year

Reuse Project	2010	2020	2030	2040	2050	2060
NTMWD East Fork Reuse	81,400	96,400	102,000	102,000	102,000	102,000
TRA Tarrant County Reuse (Tarrant County-Other)	0	7,500	7,500	7,500	7,500	7,500

Reuse Project	2010	2020	2030	2040	2050	2060
TRA Mountain Creek Direct Reuse SEP (Dallas County)	0	3,000	3,000	3,000	3,000	3,000
TRA Ellis County Direct Reuse SEP	20,000	20,000	30,000	30,000	40,000	40,000
TRA Direct Reuse for County Irrigation	3,750	3,750	3,750	3,750	3,750	3,750
TRA Direct Reuse for Denton County Irrigation	3,750	3,750	3,750	3,750	3,750	3,750
TRA Freestone County Direct Reuse SEP	0	0	10,000	10,000	20,000	20,000
TRA Kaufman County Direct Reuse SEP	0	7,500	15,000	15,000	15,000	15,000
Fort Worth Direct Reuse from Village Creek WWTP	500	500	1,100	2,000	2,600	2,600
Fort Worth Direct Reuse Mary's Creek	0	1,240	1,570	1,570	1,570	1,570
Fort Worth Direct Reuse Central Business District	0	2,240	3,360	3,360	3,360	3,360
Fort Worth Direct Reuse - Alliance Corridor	0	1,120	2,240	3,360	3,360	3,360
Bridgeport Direct Reuse	0	0	0	1,500	2,000	2,000
Decatur Direct Reuse	0	0	0	2,000	2,000	2,000
Local Mining Reuse	14,337	14,133	22,428	19,652	24,648	28,520
Total	123,737	161,133	205,698	208,442	234,538	238,410

#### 2.3.2 Indirect Reuse Projects

Indirect reuse involves the discharge of treated wastewater into a stream or reservoir and subsequent diversion for reuse. The process allows the treated wastewater effluent to "blend" with the "natural" waters of the stream or reservoir prior to being diverted for use. In Region H many sources rely on the return flows from treated wastewater effluent as well as naturally occurring runoff. Recommended indirect reuse projects included in the 2006 Region C Water Plan are listed below.

**Table 5 Region C Recommended Direct Reuse Projects** 

Values in Acre-feet per Year

Reuse Project	2010	2020	2030	2040	2050	2060
NTMWD Additional Wilson Creek Indirect Reuse	26,956	35,941	35,941	35,941	35,941	35,941
DWU Direct Reuse	20,456	20,456	20,456	20,456	20,456	20,456
DWU Southside Indirect Reuse	0	67,253	67,253	67,253	67,253	67,253
DWU Lewisville Indirect Reuse	0	0	67,253	67,253	67,253	67,253
DWU and UTRWD Indirect Reuse of Return Flows above Dallas Lakes	34,366	44,746	53,141	60,640	69,854	79,605
TRWD Trinity River Reuse (Richland-Chambers)	63,000	63,000	63,000	63,000	63,000	63,000
TRWD Trinity River Reuse (Cedar Creek)	0	52,500	52,500	52,500	52,500	52,500
TRWD Additional Yield from Richland-Chambers due to reuse	21,556	28,612	35,668	37,465	37,465	37,465

Reuse Project	2010	2020	2030	2040	2050	2060
project						
TRWD Additional Yield from Cedar Creek due to reuse project	0	24,934	27,651	30,368	33,085	35,800
TRA Joe Pool Lake Indirect Reuse	0	20,000	20,000	20,000	20,000	20,000
TRA Joe Pool Lake Indirect Reuse	0	3,500	3,500	3,500	3,500	3,500
UTRWD Indirect Reuse of Chapman Lake	8,441	8,301	8,161	8,021	7,882	7,743
Athens Indirect Reuse	1,662	1,966	2,325	2,677	2,677	2,677
Ennis Indirect Reuse	0	0	74	1,037	2,269	3,696
TRA Additional Las Colinas Indirect Reuse		7,000	7,000	7,000	7,000	7,000
Gainesville Indirect	0	561	561	561	561	561
TRA Contract With Irving	28,000	28,000	28,000	28,000	28,000	28,000
Waxahachie Additional Reuse	3,112	2,963	2,684	2,405	2,125	1,846
UTRWD Indirect Reuse of flows from Lake Ralph Hall		17,760	17,760	17,760	17,760	17,760
Weatherford Indirect Reuse		5,000	5,000	5,000	5,000	5,000
Total	207,549	432,493	517,928	530,837	543,581	557,056

## 2.4 Projected Return Flows

As part of the 2011 Region H Water Plan, the potential impact of Region C recommended reuse strategies on return flows in the Trinity Basin were evaluated. The projected water demands, return flows and reuse strategies from the upper Trinity Basin were analyzed to determine the level of return flows available to Region H in the lower Trinity Basin.

The 2006 Region C Water Plan estimated the level of projected future return flows estimated based on projected municipal and industrial water demands after the implementation of conservation measures. Return flow factors were determined from historical data (69 % for the Metroplex and 50% for other counties). Recommended direct reuse projects were subtracted from the projected return flows to determine the net return flows available to the upper Trinity Basin. Table 6 presents the summary of projected return flow calculations presented in the Region C 2006 Water Plan. This number represents net return flows across the upper Trinity Basin.

Table 6 Region C 2006 Projected Upper Trinity Basin Return Flows

Values in Acre-feet per Year

	2010	2020	2030	2040	2050	2060
Demands	1,563,725	1,858,601	2,092,965	2,328,370	2,607,058	2,943,509
Conservation	51,370	106,427	148,159	188,500	230,232	277,434
Net Demands	1,512,355	1,752,174	1,944,806	2,139,870	2,376,826	2,666,075
Projected Return Flows	1,022,392	1,181,415	1,307,898	1,437,611	1,595,689	1,789,184
Proposed Reuse	372,112	601,685	724,073	743,867	780,471	796,279
Net Return Flows	650,280	579,730	583,825	693,744	815,218	992,905

Note: Projected Return Flows are based on Municipal and Manufacturing Water Use in the Trinity Basin in Region C.

The return flow analysis presented in the 2006 Region C Regional Water Plan resulted in a minimum net annual return flow estimate of 579,730 acre-ft per year in the 2020 planning decade. However, this estimate was based largely on an assumed return flow factor of 69% from water demands in the Metroplex. The 69% return flow factor was assumed from the TCEQ WAM Run 8 model and may not accurately reflect the return flow estimates during drought conditions. In December 2008, the draft Region C Water Conservation and Reuse Study was prepared by the Region C consultant team. As part of the study, projected return flows were re-analyzed using a reduced return flow factor reflecting severe drought conditions experienced in 2006. The revised return flow estimate assumed a return flow factor of 51% in 2010 and 2020, 52% in 2030 and 2040, and 53% in 2050 and 2060. The reduced return flow factors presented in the Region C Conservation and Reuse Study suggest a more consumptive use of existing water supplies than previously estimated. Table 7 shows the revised return flow estimates based on information presented in the 2008 Draft Region C Water Conservation and Reuse Strategy.

Table 7 Region C 2008 Projected Upper Trinity Basin Return Flows

Values in Acre-feet per Year

	2010	2020	2030	2040	2050	2060
Demands	1,563,725	1,858,601	2,092,965	2,328,370	2,607,058	2,943,509
Conservation	51,370	106,427	148,159	188,500	230,232	277,434
Net Demands	1,512,355	1,752,174	1,944,806	2,139,870	2,376,826	2,666,075
Projected Return Flows	765,662	896,882	1,004,341	1,115,359	1,247,968	1,404,851
Proposed Reuse	350,476	613,996	751,286	781,515	817,876	832,360
Net Return Flows	415,185	282,886	253,055	333,844	430,092	572,491

Note: Projected Return Flows are based on Municipal and Manufacturing Water Use in the Trinity Basin in Region C.

As can be seen in Table 7, the projected return flows are reduced significantly from previous estimates as a result of the revised return flow factors. The minimum annual return flow estimated in the 2008 draft Region C report is 253,055 acre-ft per year in the year 2030. This estimate represents an almost 50% reduction from the previously estimated minimum annual return flow of 579,730 acreft per year.

Region C projected demands and reuse strategies downloaded from DB07 were analyzed assuming a reduced return flow factor of 50% in lieu of 69% as assumed in the Region C 2006 Plan. As can be seen in Table 8, the resulting net in-basin return flows are consistent with the results of the 2008 Region C Conservation and Reuse Study. There are however several discrepancies. The total demands for Municipal and Manufacturing WUGS in the Trinity Basin inside of Region C were higher in DB07 than shown in the 2008 Region C Water Conservation and Reuse Study. The WUG demands from DB07 were sorted by region and by basin to only include the WUGs located within the Trinity Basin and Region C. This may include several WUGs located in the Trinity Basin that discharge wastewater outside of the Trinity Basin.

**Table 8 DB07 Return Flow Analysis** 

Values in Acre-feet per Year

	2010	2020	2030	2040	2050	2060
Demands	1,596,099	1,923,710	2,188,421	2,453,800	2,757,833	3,114,920
Conservation	52,095	110,803	154,475	196,101	238,662	286,681
Net Demands	1,544,004	1,812,907	2,033,946	2,257,699	2,519,171	2,828,239
Return Flows	772,002	906,454	1,016,973	1,128,850	1,259,586	1,414,120
Proposed Reuse	381,657	627,507	761,415	774,472	812,259	826,588

	2010 2020 2030		2040	2050	2060	
Net Return Flows	390,345	278,947	255,558	354,378	447,327	587,532

Note: Projected Return Flows are based on Municipal and Manufacturing Water Use in the Trinity Basin in Region C.

#### 2.5 Simulated Return Flows

The projected return flows available to Region H were analyzed at the Oakwood Gage location marking the boundary between Region C and Region H. To model the projected return flows, several models were obtained from the Region C consultant to accurately model the net in-basin return flows associated with projected upper basin demands and projected strategies. The models were developed by the Region C Consultant team for the decades 2010, 2020, 2040 and 2060 to analyze projected return flows at the Oakwood gage. The results of the revised return flow projections were summarized in the 2008 Region C Conservation and Reuse Study. After performing a desktop analysis of Region C WUG demands and proposed reuse strategies downloaded from DB07, it was decided to adopt the return flow estimates projected in the 2008 Region C Water Conservation and Reuse Study for the analysis. The return flows projected in 2008 by the Region C consultant presents the most conservative estimation of future return flows with a minimum annual in-basin return flow of approximately 253,000 acre-ft per year in 2030. In March 2009, the Region H consultant team received the future condition WAM Models from the Region C consultants for use in evaluating the impacts projected return flows on water availability in Region H, specifically the yield of Lake Livingston.

The Water Rights Analysis Package (WRAP) WAM Run 3 was updated to include the projected Region C reuse strategies and in-basin return flows. The models were then used to quantify the return flows available to Region H. The return flows available to region H during the drought of record were quantified as the increase in regulated flow above the WAM Run3 baseline conditions. Figure 2-1 and Table 9 illustrate that not all of the net in-basin return flows projected in Region C will be available to Region H. The return flows will also be available to other water right holders for diversion and impoundment in upstream reservoirs.

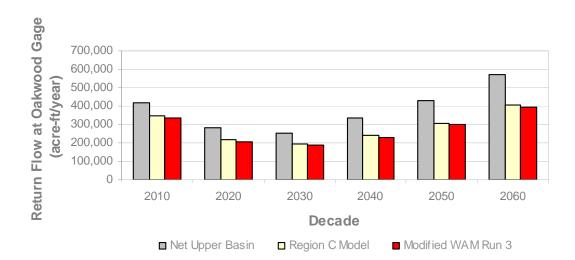


Figure 2-1 Minimum Annual Return Flows at Oakwood Gage

## Table 9 Return Flows at Oakwood Gage

Values in Acre-feet per Year

Return Flows	2010	2020	2030	2040	2050	2060
Net Upper Basin	415,185	282,886	253,055	333,844	430,092	572,491
at Oakwood Gage	333,966	208,601	185,502	227,847	299,417	393,808
% of Net Upper Basin Return Flows	80.4%	73.7%	73.3%	68.2%	69.6%	68.8%

## Section 3 – Methodology

Two sets of models were created and executed to evaluate the firm yield of the Lake Livingston water rights. The first set of models was updated to include the projected upper basin return flows from Region C for each decade as modeled for the Region C Water Conservation and Reuse Study. The second set of models was updated to quantify the minimum level of return flows necessary to firm up the Lake Livingston water rights. The models were executed to evaluate the firm yield of Lake Livingston with projected return flows from Region C and to determine the minimum level of return flows required in each planning decade. The results were also compared to quantify the excess or shortage of return flows projected in each planning decade.

## 3.1 Trinity River WAM Firm Yield Analysis

The firm yield of the Lake Livingston water rights was evaluated using a modified version of the TCEQ WAM Run3. The WAM Run 3 presents the most conservative set of assumptions when evaluating water right availability by assuming full authorized diversions and complete consumption (no return flows) unless otherwise specified within the water rights permit. To simulate actual projected conditions, the model was revised to include anticipated return flows and planned reuse identified in the Region C 2008 Water Conservation and Reuse Study. The model was also revised to include future storage area curves to account for the effects of projected sedimentation on reservoir yields. The year 2000 SA/SV records were inserted into the model to simulate the 2010 scenario. Decade 2030 SA/SV records were inserted to model the decades 2020, 2030, and 2040. Model simulations for decades 2050 and 2060 assumed the year 2060 sedimentation condition. Table 10 lists the WAM Run 3 models and assumptions utilized in the analysis.

"Planning groups should analyze existing surface water supplies based on firm yield for both reservoirs and surface water diversions. For reservoirs, firm yield is the maximum amount of water a reservoir can provide in a given year during drought of record conditions using reasonable sedimentation rates, and under the assumption that senior water rights holders have their full allotments of water." General Guidelines for Regional Water Plan Development (2007 - 2012), March 2008.

Model	Net Upper Basin Return Flows (acre ft/year)	Lake Livingston SA/SV Curve
TR_RUN3FY_2010.dat	415,815	Year 2000
TR_RUN3FY_2020.dat	282,886	Year 2030
TR_RUN3FY_2030.dat	253,055	Year 2030
TR_RUN3FY_2040.dat	333,844	Year 2030
TR_RUN3FY_2050.dat	430,092	Year 2060
TR_RUN3FY_2060.dat	572,491	Year 2060

**Table 10 Lake Livingston Firm Yield Models** 

## 3.2 Trinity River WAM Iterative Firm Yield Analysis

The effects of return flows on the firm yield of the Lake Livingston water rights were simulated by iteratively adjusting the magnitude of return flow available at the boundary between Region C and Region H. Return flows from the upper basin were modeled with a Constant Inflow (CI) record inserted at control point (CP) 8TROA, located at the boundary of Region H and Region C. The CI

record assumed a constant monthly distribution. The annual volume of the assumed return flows was increased until the full permitted yield of the Lake Livingston water rights was available during the drought of record.

As discussed in Section 3.1, the storage area capacity curve for Lake Livingston was updated to account for the effects of projected sedimentation in future decades. The year 2000 SA/SV records were inserted into the model to simulate the 2010 scenario. Decade 2030 SA/SV records were inserted to model the decades 2020, 2030, and 2040. Model simulations for decades 2050 and 2060 assumed the year 2060 sedimentation condition. Table 11 lists the WAM Run 3 models and assumptions utilized in the analysis.

**Table 11 Lake Livingston Firm Yield** 

Model	Net Upper Basin Return Flows (acre ft/year)	Lake Livingston SA/SV Curve
TR_8TROA_2010.dat	280,000	Year 2000
TR_8TROA _2020.dat	280,000	Year 2030
TR_8TROA _2030.dat	280,000	Year 2030
TR_8TROA _2040.dat	280,000	Year 2030
TR_8TROA _2050.dat	285,000	Year 2060
TR_8TROA _2060.dat	285,000	Year 2060

# Section 4 – Evaluation of Projected Return Flow on Lake Livingston

The impacts of projected upper basin return flows on the firm yield of Lake Livingston were analyzed for each decade in the planning period. The results are summarized in Section 4.1. The necessary level of return flows required to make the Lake Livingston water rights permit achieve 100% reliability was quantified for each decade in the planning period. The results are discussed in Section 4.2.

## 4.1 Lake Livingston Firm Yield

The firm yield of Lake Livingston is reduced in the decades 2020, 2030 and 2040 due to insufficient return flows from the upper Trinity Basin. Table 12 lists the firm yield of Lake Livingston for each of the planning decades studied. By 2020, increased reuse diversions in Region C are projected to reduce return flows available to Region H and to consequently reduce the firm yield of Lake Livingston during a drought-of-record by 55,000 acre-ft per year. By 2030, projected in-basin return flows are projected to be reduced to 253,055 acre-ft per year, which is the minimum level expected during the planning period. Under these assumed conditions, the firm yield of Lake Livingston in 2030 is projected to be 1,265,000 acre-ft per year, approximately 79,000 acre-ft per year less than the currently permitted diversion under the existing water rights permit.

Return flows in the upper Trinity Basin are expected in increase from the year 2030 through 2060. In 2040 the firm yield of Lake Livingston is projected to increase to 1,294,000 acre-ft per year. The increase in firm yield is due to increased demands in the upper basin that will require the importation of additional out-of-basin supplies. By 2050, the firm yield of Lake Livingston is projected to be equal to the full permitted diversion. Table 12 and Figure 4-1 show the projected firm yield of the Lake Livingston water rights under these assumed conditions.

**Return Flows** 2010 2020 2030 2040 2050 2060 1,344,000 Firm Yield 1,344,000 1,294,000 1,344,000 1,289,000 1,265,000 Reduction in Yield 0 -55,000 -79,000 -50,000 0 0

Table 12 Lake Livingston Firm Yield (acre-ft per year)

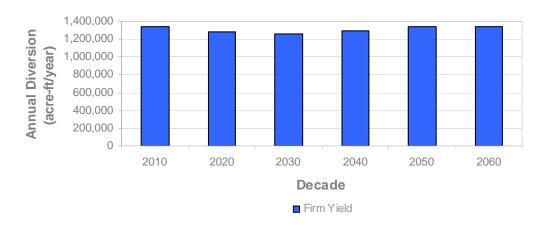


Figure 4-1 Lake Livingston Firm Yield

## 4.2 Necessary Level of Return Flows

The level of return flows required to achieve 100% reliability during the drought-of-record for the permitted diversion of the Lake Livingston water rights was determined by an iterative analysis. Return flows were artificially added to the TCEQ WAM Run 3 model and the analysis was performed for each decade in the planning period.

The results of the analysis are shown graphically in Figure 4-2 by recording Lake Livingston storage volumes at the end of each month during the simulation. The baseline model shown in gray illustrates the storage volume of Lake Livingston assuming no return flows from the upper Trinity Basin. As can be seen from the graph, the firm yield of Lake Livingston is dependant on return flows. By adding return flows into the model, Lake Livingston is able to impound additional water during the drought of record. In Figure 4-2 the additional water impounded in the Lake is represented by increasing storage volumes. As return flows are increased, the minimum lake levels between April 1956 and April 1957 are decreased until the permitted diversion is met during the drought of record.

Figure 4-3 compares the results of the iterative return flow analysis with the return flows projected at the Oakwood Gage for each decade in the planning period. The figure shows that a minimum of 280,000 acre-ft per year is required from 2010 to 2040 to achieve 100% reliability for the Lake Livingston water rights. This minimum required level of return flow increases in 2050 and 2060 to 285,000 acre-ft per year to offset reduced storage from sedimentation. The figure shows that in 2010 a sufficient volume of return flow is available to "firm up" the Lake Livingston permitted diversions. In the decades 2020, 2030, and 2040, however, the projected return flows are insufficient to maintain the full yield of the water rights. In 2050 and 2060, return flow levels are projected to increase to levels that will support the full permitted diversion of the Lake Livingston water rights.

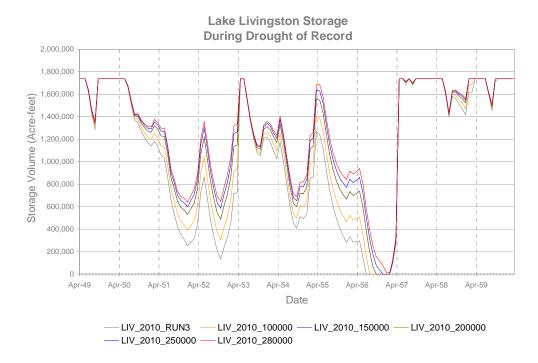
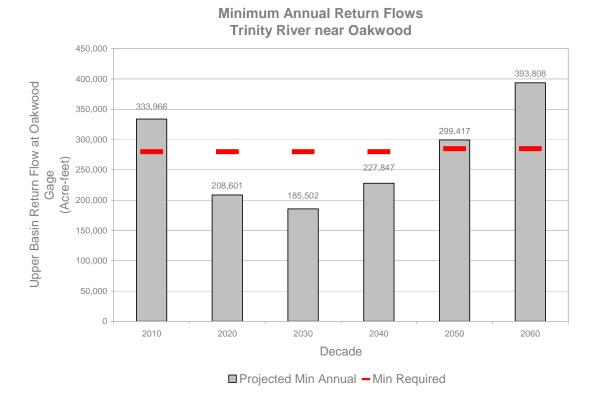


Figure 4-2 Lake Livingston Storage

Figure 4-3 Minimum Annual Flows at Oakwood



## Section 5 – Findings and Conclusions

### 5.1 Summary of Findings

The results of this study consider conservative assumptions regarding the availability of return flows from Region C including full projected reuse and more consumptive use of existing and future water supplies. The reduction in projected return flows available to Region H are the result of a revision to the return flow factors used to estimate the amount of water returned in the upper Trinity Basin. The lower return flow factor indicates that demands in the upper basin are more consumptive than previously estimated, producing less net return flow to the basin. More consumptive use of water supplies in the upper Trinity Basin will reduce the amount of return flows available to Region H and will reduce the reliability of surface water rights in the lower Trinity Basin. The study shows that the firm yield of the Lake Livingston water rights may be temporarily reduced during the 2020, 2030 and 2040 decades as a result of these conservative return flow estimates from the upper Trinity Basin. By the year 2050 however, the projected return flows should be sufficient to maintain the full permitted diversion of the Lake Livingston water rights during the drought-of-record.

The firm yield of the Lake Livingston water rights was estimated for every decade in the planning period to evaluate the impacts of projected return flows from the upper Trinity Basin. The following statements describe whether sufficient return flows will be available to make the permitted yield of the Lake Livingston water rights 100% reliable during drought-of-record conditions. If sufficient return flows are not projected to be present, the reduction in the firm yield is listed.

- Sufficient return flows will be present in 2010.
- The firm yield of Lake Livingston will be reduced by 55,000 acre-ft per year in 2020.
- The firm yield of Lake Livingston will be reduced by 79,000 acre-ft per year in 2030.
- The firm yield of Lake Livingston will be reduced by 50,000 acre-ft per year in 2040.
- Sufficient return flows will be present in 2050.
- Sufficient return flows will be present in 2060.

The minimum level of return flows required to make the permitted yield of the Lake Livingston water rights 100% reliable during drought-of-record is approximately:

- 280,000 acre-ft per year required in 2010 2040 to maintain permitted diversions.
- 280,500 acre-ft per year required in 2050 and 2060.

## 5.2 Impacts on Recommended Region H Strategies

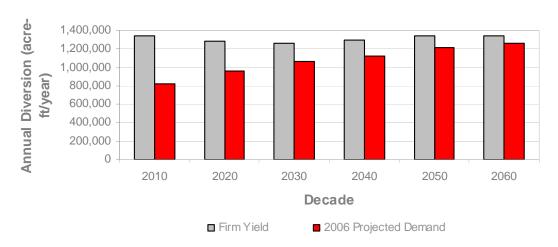
The 2006 Region H Water Plan recommended several water management strategies that relied on utilizing water supplies from Lake Livingston. During the decades 2020, 2030, and 2040, the firm yield of the Lake Livingston water rights is projected to be reduced which could possibly impact these proposed water management strategies. Although the firm yield of the Lake Livingston water rights is projected to be reduced, sufficient supplies are projected to be available in Lake Livingston resulting in no impact to the water management strategies proposed in the 2006 Region H Plan. The firm yield of the Lake Livingston water rights and the Region H demands projected to be supplied by the source are summarized below in Table 13 and illustrated in Figure 5-1.

Table 13 Lake Livingston Firm Yield vs Projected Demands (acre-ft per year)

	2010	2020	2030	2040	2050	2060
Firm Yield	1,344,000	1,289,000	1,265,000	1,294,000	1,344,000	1,344,000
Projected Demands	820,020	966,102	1,068,845	1,120,753	1,215,812	1,258,245
Surplus	523,980	322,898	196,155	173,247	128,188	85,755

Figure 5-1 Lake Livingston Firm Yield vs Projected Demands







## Appendix A

BD07 - Region C Municipal Demands in Trinity Basin

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
034001000	ABLE SPRINGS WSC	KAUFMAN	TRINITY	539	841	1,069	1,321	1,634	2,022
030673000	ADDISON	DALLAS	TRINITY	8,932	10,235	11,145	11,778	12,220	12,528
030674000	ALEDO	PARKER	TRINITY	454	622	793	943	1,105	1,284
030008000	ALLEN	COLLIN	TRINITY	24,150	29,603	34,845	36,584	37,321	37,632
030810000	ALVORD	WISE	TRINITY	178	196	215	233	253	277
030813000	ANNA	COLLIN	TRINITY	1,317	2,688	4,033	5,377	7,169	11,201
030814000	ANNETTA	PARKER	TRINITY	203	254	295	330	368	409
030997000	ANNETTA SOUTH	PARKER	TRINITY	91	108	121	132	145	158
030677000	ARGYLE	DENTON	TRINITY	2,380	4,011	5,035	5,562	6,144	6,721
034007000	ARGYLE WSC	DENTON	TRINITY	862	863	863	863	863	863
030025000	ARLINGTON	TARRANT	TRINITY	81,692	95,026	101,591	104,733	106,828	107,875
030028000	ATHENS	HENDERSON	TRINITY	2,737	3,276	3,930	4,724	5,678	6,822
030758000	AUBREY	DENTON	TRINITY	481	903	1,471	1,977	2,657	3,571
030816000	AURORA	WISE	TRINITY	142	168	193	218	246	279
030031000	AZLE	PARKER	TRINITY	366	466	580	678	781	895
030031000	AZLE	TARRANT	TRINITY	1,655	2,337	3,338	4,506	5,675	6,676
030033000	BALCH SPRINGS	DALLAS	TRINITY	2,716	2,907	3,072	3,216	3,340	3,448
030999000	BARDWELL	ELLIS	TRINITY	108	138	168	199	234	271
030820000	BARTONVILLE	DENTON	TRINITY	1,008	2,240	3,136	3,696	3,921	4,033
034010000	BARTONVILLE WSC	DENTON	TRINITY	317	363	404	441	474	503
030044000	BEDFORD	TARRANT	TRINITY	10,418	10,916	11,336	11,688	11,984	12,233
030051000	BENBROOK	TARRANT	TRINITY	4,963	5,909	7,091	8,509	10,163	12,054
034016000	BETHEL-ASH WSC	HENDERSON	TRINITY	175	213	252	291	339	399
034017000	BETHESDA WSC	TARRANT	TRINITY	1,589	1,968	2,358	2,769	3,262	3,846
034024000	BLACKLAND WSC	ROCKWALL	TRINITY	151	223	273	328	392	467
030828000	BLOOMING GROVE	NAVARRO	TRINITY	152	152	152	152	152	152
030062000	BLUE MOUND	TARRANT	TRINITY	308	322	322	322	322	322
030829000	BLUE RIDGE	COLLIN	TRINITY	314	672	1,176	1,848	2,688	3,024
034028000	BOLIVAR WSC	COOKE	TRINITY	215	260	311	312	312	312
034028000	BOLIVAR WSC	DENTON	TRINITY	928	1,301	3,024	6,721	10,921	14,786
034028000	BOLIVAR WSC	WISE	TRINITY	196	254	329	482	670	1,005
030760000	BOYD	WISE	TRINITY	222	296	325	325	325	325
034029000	BRANDON-IRENE WSC	ELLIS	TRINITY	10	11	13	14	15	17
034029000	BRANDON-IRENE WSC	NAVARRO	TRINITY	28	30	32	35	38	42
030076000	BRIDGEPORT	WISE	TRINITY	1,616	1,983	2,850	3,395	3,956	4,734
034040000	BUENA VISTA - BETHEL SUD	ELLIS	TRINITY	569	702	769	875	1,006	1,159
030087000	BURLESON	TARRANT	TRINITY	821	1,045	1,275	1,518	1,810	2,154
034041000	CADDO BASIN SUD	COLLIN	TRINITY	192	239	298	358	420	487
030098000	CARROLLTON	DALLAS	TRINITY	11,087	11,197	11,373	11,487	11,603	11,724
030098000	CARROLLTON	DENTON	TRINITY	15,478	16,027	16,839	17,344	17,696	17,871
030102000	CEDAR HILL	DALLAS	TRINITY	8,229	10,521	12,445	14,061	15,416	16,554
030102000	CEDAR HILL	ELLIS	TRINITY	9	9	9	9	9	9

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
030103000	CELINA	COLLIN	TRINITY	1,008	5,080	10,753	19,042	29,124	33,604
034049000	CHATFIELD WSC	NAVARRO	TRINITY	562	864	1,055	1,262	1,509	1,813
030842000	CHICO	WISE	TRINITY	216	249	298	365	448	547
030121000	COCKRELL HILL	DALLAS	TRINITY	670	720	732	738	741	742
034065000	COLLEGE MOUND WSC	KAUFMAN	TRINITY	944	1,461	2,013	2,381	2,837	3,403
030125000	COLLEYVILLE	TARRANT	TRINITY	8,799	9,697	10,063	10,213	10,275	10,299
030765000	COLLINSVILLE	GRAYSON	TRINITY	335	467	599	730	862	994
030766000	COMBINE	DALLAS	TRINITY	104	135	150	166	186	212
030766000	COMBINE	KAUFMAN	TRINITY	191	247	297	352	420	504
034066000	COMBINE WSC	DALLAS	TRINITY	164	237	271	305	350	409
034066000	COMBINE WSC	KAUFMAN	TRINITY	321	502	656	828	1,040	1,303
034068000	COMMUNITY WATER COMPANY	ELLIS	TRINITY	121	182	218	254	295	340
034068000	COMMUNITY WATER COMPANY	NAVARRO	TRINITY	111	168	209	262	327	409
034069000	COMMUNITY WSC	TARRANT	TRINITY	437	444	451	458	467	477
034069000	COMMUNITY WSC	WISE	TRINITY	18	18	18	18	19	19
030133000	COPPELL	DALLAS	TRINITY	10,171	10,171	10,171	10,171	10,171	10,171
030133000	COPPELL	DENTON	TRINITY	106	147	182	212	237	258
030849000	COPPER CANYON	DENTON	TRINITY	404	560	840	1,246	1,456	1,568
030691000	CORINTH	DENTON	TRINITY	3,824	4,800	5,548	6,304	6,754	7,092
030137000	CORSICANA	NAVARRO	TRINITY	5,950	6,215	6,491	6,790	7,148	7,587
030757043	COUNTY-OTHER	COLLIN	TRINITY	827	772	723	673	620	564
030757049	COUNTY-OTHER	COOKE	TRINITY	870	1,022	1,057	1,063	1,063	1,063
030757057	COUNTY-OTHER	DALLAS	TRINITY	190	147	114	88	69	53
030757061	COUNTY-OTHER	DENTON	TRINITY	7,412	9,402	11,320	13,096	14,825	16,605
030757070	COUNTY-OTHER	ELLIS	TRINITY	2,039	2,039	2,039	2,039	2,039	2,039
030757074	COUNTY-OTHER	FANNIN	TRINITY	182	181	178	173	168	161
030757081	COUNTY-OTHER	FREESTONE	TRINITY	1,078	1,127	1,152	1,159	1,159	1,159
030757091	COUNTY-OTHER	GRAYSON	TRINITY	451	449	443	421	388	347
030757107	COUNTY-OTHER	HENDERSON	TRINITY	268	268	267	267	267	267
030757119	COUNTY-OTHER	JACK	TRINITY	386	451	515	580	644	708
030757129	COUNTY-OTHER	KAUFMAN	TRINITY	1,837	1,837	1,837	1,837	1,837	1,837
030757175	COUNTY-OTHER	NAVARRO	TRINITY	256	256	256	256	256	256
030757184	COUNTY-OTHER	PARKER	TRINITY	2,576	2,319	2,061	1,803	1,546	1,288
030757199	COUNTY-OTHER	ROCKWALL	TRINITY	140	140	140	140	140	140
030757220	COUNTY-OTHER	TARRANT	TRINITY	3,535	3,535	3,535	3,535	3,535	3,535
030757249	COUNTY-OTHER	WISE	TRINITY	3,988	4,626	4,626	4,626	4,626	4,626
030767000	CRANDALL	KAUFMAN	TRINITY	759	1,063	1,351	1,669	2,064	2,553
031011000	CROSS ROADS	DENTON	TRINITY	588	1,310	2,134	3,560	5,545	6,922
030145000	CROWLEY	TARRANT	TRINITY	1,421	1,737	2,211	3,001	3,633	3,949
034083000	CULLEOKA WSC	COLLIN	TRINITY	956	1,451	1,762	2,082	2,416	2,771
030151000	DALLAS	COLLIN	TRINITY	16,969	18,964	20,148	20,851	21,268	21,876
030151000	DALLAS	DALLAS	TRINITY	370,552	410,015	430,705	451,783	501,451	589,420

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
030151000	DALLAS	DENTON	TRINITY	7,900	8,492	8,787	8,934	9,007	9,043
030151000	DALLAS	ROCKWALL	TRINITY	6	6	6	6	6	6
034085000	DALLAS COUNTY WCID #6	DALLAS	TRINITY	609	829	959	1,089	1,258	1,483
030692000	DALWORTHINGTON GARDENS	TARRANT	TRINITY	782	840	878	903	920	930
034086000	DANVILLE WSC	COLLIN	TRINITY	870	1,203	1,497	1,798	2,114	2,450
030855000	DAWSON	NAVARRO	TRINITY	180	193	205	219	236	256
030161000	DE SOTO	DALLAS	TRINITY	10,942	13,465	15,490	17,379	19,506	20,089
030153000	DECATUR	WISE	TRINITY	1,669	2,087	2,879	3,742	4,845	5,697
030159000	DENTON	DENTON	TRINITY	30,698	42,130	52,927	62,454	76,974	105,533
034089000	DENTON COUNTY FWSD	DENTON	TRINITY	1,008	1,614	2,184	2,771	3,367	3,990
030768000	DOUBLE OAK	DENTON	TRINITY	690	764	813	863	912	961
030171000	DUNCANVILLE	DALLAS	TRINITY	8,104	8,529	8,734	8,930	9,116	9,293
034094000	EAST CEDAR CREEK FWSD	HENDERSON	TRINITY	2,381	2,987	3,586	4,200	4,949	5,894
034096000	EAST FORK SUD	COLLIN	TRINITY	577	751	904	1,062	1,226	1,401
034096000	EAST FORK SUD	DALLAS	TRINITY	120	126	130	134	139	145
034096000	EAST FORK SUD	ROCKWALL	TRINITY	9	9	9	9	9	9
030180000	EDGECLIFF	TARRANT	TRINITY	471	471	471	471	471	471
030192000	ENNIS	ELLIS	TRINITY	3,589	4,594	5,881	7,528	9,637	12,336
030193000	EULESS	TARRANT	TRINITY	9,998	11,302	11,945	12,262	12,418	12,496
030864000	EUSTACE	HENDERSON	TRINITY	153	169	184	200	219	243
030194000	EVERMAN	TARRANT	TRINITY	837	915	992	1,069	1,146	1,159
030196000	FAIRFIELD	FREESTONE	TRINITY	1,143	1,257	1,371	1,485	1,600	1,714
030772000	FAIRVIEW	COLLIN	TRINITY	1,752	2,353	3,038	4,557	7,595	13,291
030198000	FARMERS BRANCH	DALLAS	TRINITY	11,366	12,369	13,282	14,112	14,866	15,552
030199000	FARMERSVILLE	COLLIN	TRINITY	586	1,113	1,591	2,386	3,499	4,772
030201000	FERRIS	ELLIS	TRINITY	341	341	341	341	341	341
034112000	FILES VALLEY WSC	ELLIS	TRINITY	145	158	171	184	199	216
034114000	FLO COMMUNITY WSC	FREESTONE	TRINITY	21	22	23	23	23	23
030204000	FLOWER MOUND	DENTON	TRINITY	17,205	22,851	26,883	30,916	33,335	34,972
030206000	FOREST HILL	TARRANT	TRINITY	1,847	2,015	2,187	2,369	2,576	2,705
030207000	FORNEY	KAUFMAN	TRINITY	2,016	4,301	5,377	6,273	6,990	7,671
034115000	FORNEY LAKE WSC	KAUFMAN	TRINITY	2,285	2,464	2,576	2,688	2,800	2,912
034115000	FORNEY LAKE WSC	ROCKWALL	TRINITY	1,792	2,464	2,576	2,688	2,800	2,912
030213000	FORT WORTH	DENTON	TRINITY	1,204	7,225	10,837	15,654	22,879	30,104
030213000	FORT WORTH	PARKER	TRINITY	2,890	12,523	19,266	22,156	25,287	27,696
030213000	FORT WORTH	TARRANT	TRINITY	147,856	167,210	196,093	239,362	301,825	380,214
030213000	FORT WORTH	WISE	TRINITY	482	2,408	3,372	4,335	5,780	7,225
030221000	FRISCO	COLLIN	TRINITY	30,244	48,726	52,423	56,119	59,816	62,000
030221000	FRISCO	DENTON	TRINITY	15,833	18,482	29,572	34,276	37,637	38,813
030868000	FROST	NAVARRO	TRINITY	89	96	103	110	118	129
030225000	GAINESVILLE	COOKE	TRINITY	3,811	4,149	4,610	5,020	5,430	5,942
030230000	GARLAND	DALLAS	TRINITY	44,227	47,987	51,186	54,009	56,455	56,455

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
034137000	GASTONIA-SCURRY	KAUFMAN	TRINITY	896	1,288	1,500	1,819	2,214	2,703
030697000	GLENN HEIGHTS	DALLAS	TRINITY	944	1,149	1,338	1,514	1,676	1,827
030697000	GLENN HEIGHTS	ELLIS	TRINITY	343	469	593	720	862	1,018
030245000	GRAND PRAIRIE	DALLAS	TRINITY	23,802	28,400	33,327	39,604	46,881	54,371
030245000	GRAND PRAIRIE	ELLIS	TRINITY	77	361	903	1,517	2,242	3,164
030245000	GRAND PRAIRIE	TARRANT	TRINITY	6,282	7,732	8,675	9,288	9,686	9,945
030249000	GRAPEVINE	TARRANT	TRINITY	13,805	16,249	17,590	18,552	19,244	19,740
030699000	GUN BARREL CITY	HENDERSON	TRINITY	1,284	1,508	1,729	1,956	2,232	2,581
030876000	GUNTER	GRAYSON	TRINITY	417	694	833	972	1,111	1,250
034146000	GUNTER RURAL WSC	COLLIN	TRINITY	580	773	909	1,092	1,284	1,489
034146000	GUNTER RURAL WSC	GRAYSON	TRINITY	103	155	206	283	451	644
031023000	HACKBERRY	DENTON	TRINITY	147	219	287	320	336	343
030261000	HALTOM CITY	TARRANT	TRINITY	7,336	8,230	8,677	8,901	9,013	9,069
030879000	HASLET	TARRANT	TRINITY	428	856	1,498	1,498	1,498	1,498
030702000	HEATH	ROCKWALL	TRINITY	1,796	2,650	3,323	4,048	4,903	5,906
030776000	HEBRON	DENTON	TRINITY	224	349	582	1,165	1,747	1,887
030704000	HICKORY CREEK	DENTON	TRINITY	557	891	1,092	1,344	1,764	2,268
034203000	HICKORY CREEK SUD	COLLIN	TRINITY	12	16	20	24	27	32
034203000	HICKORY CREEK SUD	FANNIN	TRINITY	13	15	16	16	17	18
034205000	HIGH POINT WSC	KAUFMAN	TRINITY	533	771	932	1,111	1,333	1,608
034205000	HIGH POINT WSC	ROCKWALL	TRINITY	51	82	102	124	149	179
030276000	HIGHLAND PARK	DALLAS	TRINITY	4,285	4,327	4,366	4,402	4,434	4,465
030706000	HIGHLAND VILLAGE	DENTON	TRINITY	3,478	3,873	4,102	4,234	4,310	4,363
030286000	HOWE	GRAYSON	TRINITY	502	840	1,143	1,344	1,512	1,680
030883000	HUDSON OAKS	PARKER	TRINITY	381	549	731	894	1,073	1,273
030293000	HURST	TARRANT	TRINITY	7,742	8,219	8,542	8,759	8,906	9,006
030294000	HUTCHINS	DALLAS	TRINITY	1,255	2,509	4,015	6,022	8,029	8,531
030298000	IRVING	DALLAS	TRINITY	56,483	61,857	65,916	68,982	71,296	73,044
030299000	ITALY	ELLIS	TRINITY	293	352	397	443	494	551
030302000	JACKSBORO	JACK	TRINITY	703	726	741	741	741	741
034216000	JOHNSON COUNTY RURAL SUD	ELLIS	TRINITY	43	57	73	91	110	129
034216000	JOHNSON COUNTY RURAL SUD	TARRANT	TRINITY	429	554	689	847	1,033	1,221
031031000	JOSEPHINE	COLLIN	TRINITY	103	302	302	302	302	302
030784000	JUSTIN	DENTON	TRINITY	516	903	1,457	2,395	2,924	3,226
030313000	KAUFMAN	KAUFMAN	TRINITY	1,202	1,825	2,188	2,479	2,770	3,341
030315000	KELLER	TARRANT	TRINITY	9,341	11,152	11,152	11,152	11,152	11,152
030711000	KEMP	KAUFMAN	TRINITY	185	185	185	185	185	185
030318000	KENNEDALE	TARRANT	TRINITY	1,388	1,675	1,869	2,001	2,089	2,149
030712000	KERENS	NAVARRO	TRINITY	405	405	405	405	405	405
034223000	KIOWA HOMEOWNERS WSC	COOKE	TRINITY	514	551	571	574	573	573
030892000	KRUGERVILLE	DENTON	TRINITY	171	196	228	296	386	554
030785000	KRUM	DENTON	TRINITY	495	708	877	1,176	1,512	1,932

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
030337000	LAKE DALLAS	DENTON	TRINITY	1,257	1,529	1,669	1,765	1,832	1,878
030341000	LAKE WORTH	TARRANT	TRINITY	952	1,059	1,176	1,294	1,411	1,470
031036000	LAKESIDE	TARRANT	TRINITY	454	527	601	679	773	884
030345000	LANCASTER	DALLAS	TRINITY	7,953	12,725	15,906	19,087	21,632	23,223
034230000	LAVON WSC	COLLIN	TRINITY	383	616	902	1,803	2,834	3,864
034230000	LAVON WSC	ROCKWALL	TRINITY	348	616	804	1,007	1,245	1,525
030352000	LEONARD	FANNIN	TRINITY	308	358	499	785	1,142	1,427
030355000	LEWISVILLE	DALLAS	TRINITY	1	1	1	1	1	1
030355000	LEWISVILLE	DENTON	TRINITY	21,309	26,697	30,647	33,332	35,285	37,301
031018000	LINCOLN PARK	DENTON	TRINITY	138	208	264	322	381	442
030899000	LINDSAY	COOKE	TRINITY	157	168	174	175	175	175
030790000	LITTLE ELM	DENTON	TRINITY	5,565	8,513	10,104	10,104	10,104	10,104
031039000	LOG CABIN	HENDERSON	TRINITY	99	135	155	155	155	155
031041000	LOWRY CROSSING	COLLIN	TRINITY	322	413	494	576	663	2,505
030718000	LUCAS	COLLIN	TRINITY	1,075	1,655	2,016	2,604	3,696	5,041
034239000	LUELLA WSC	GRAYSON	TRINITY	506	569	613	638	654	743
034241000	M E N WSC	NAVARRO	TRINITY	456	501	551	597	635	690
030375000	MABANK	HENDERSON	TRINITY	76	82	87	93	99	108
030375000	MABANK	KAUFMAN	TRINITY	530	647	767	900	1,065	1,270
030383000	MALAKOFF	HENDERSON	TRINITY	431	457	483	509	542	582
030384000	MANSFIELD	ELLIS	TRINITY	124	278	484	755	1,116	1,589
030384000	MANSFIELD	TARRANT	TRINITY	13,442	19,603	25,203	30,804	34,164	34,164
030911000	MAYPEARL	ELLIS	TRINITY	147	147	147	147	147	147
030379000	MCKINNEY	COLLIN	TRINITY	25,134	41,231	60,241	81,835	97,595	112,014
031042000	MCLENDON-CHISHOLM	ROCKWALL	TRINITY	204	265	317	373	440	518
030914000	MELISSA	COLLIN	TRINITY	2,420	4,481	5,825	7,169	8,961	11,201
030401000	MESQUITE	DALLAS	TRINITY	29,572	36,041	41,585	44,727	46,021	46,317
030401000	MESQUITE	KAUFMAN	TRINITY	-	1	1	1	1	2
030405000	MIDLOTHIAN	ELLIS	TRINITY	2,925	4,667	6,904	8,416	9,767	10,788
030916000	MILFORD	ELLIS	TRINITY	88	88	88	88	88	88
034257000	MILLIGAN WSC	COLLIN	TRINITY	209	209	209	209	209	209
034269000	MOUNTAIN PEAK WSC	ELLIS	TRINITY	1,244	1,396	1,481	1,710	2,102	2,609
034270000	MT ZION WSC	ROCKWALL	TRINITY	447	658	737	816	895	921
030418000	MUENSTER	COOKE	TRINITY	385	446	493	547	608	669
030724000	MURPHY	COLLIN	TRINITY	1,596	6,066	6,066	6,066	6,066	6,066
034271000	MUSTANG WSC	DENTON	TRINITY	958	1,552	2,041	2,544	3,055	3,590
034413000	NAVARRO MILLS WSC	NAVARRO	TRINITY	360	517	647	808	1,010	1,263
031045000	NEVADA	COLLIN	TRINITY	71	182	218	437	728	1,820
031047000	NEW FAIRVIEW	WISE	TRINITY	204	279	352	424	505	600
030923000	NEW HOPE	COLLIN	TRINITY	272	395	659	988	1,482	3,293
030920000	NEWARK	WISE	TRINITY	160	250	330	466	629	877
034278000	NORTH COLLIN WSC	COLLIN	TRINITY	904	1,167	1,399	1,638	1,887	2,153

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
030435000	NORTH RICHLAND HILLS	TARRANT	TRINITY	12,787	14,491	15,642	16,419	16,945	17,300
031020000	NORTHLAKE	DENTON	TRINITY	808	967	1,858	2,750	3,307	3,561
030928000	OAK GROVE	KAUFMAN	TRINITY	130	160	190	224	266	318
030929000	OAK LEAF	ELLIS	TRINITY	347	409	471	534	605	683
030930000	OAK POINT	DENTON	TRINITY	527	873	1,142	1,420	1,702	1,997
030729000	OVILLA	DALLAS	TRINITY	77	114	167	245	359	526
030729000	OVILLA	ELLIS	TRINITY	1,049	1,407	1,759	1,968	1,968	1,968
030731000	PALMER	ELLIS	TRINITY	248	266	283	301	322	344
030454000	PANTEGO	TARRANT	TRINITY	657	657	657	657	657	657
030733000	PARKER	COLLIN	TRINITY	1,943	4,237	6,219	10,106	14,770	20,212
030934000	PAYNE SPRINGS	HENDERSON	TRINITY	169	181	193	205	219	237
030935000	PECAN HILL	ELLIS	TRINITY	164	190	216	243	272	305
030795000	PELICAN BAY	TARRANT	TRINITY	164	217	277	306	341	382
030465000	PILOT POINT	DENTON	TRINITY	1,255	1,764	2,016	2,233	2,369	2,520
030472000	PLANO	COLLIN	TRINITY	72,283	74,938	77,848	80,746	83,643	86,541
030472000	PLANO	DENTON	TRINITY	1,578	2,220	2,243	2,257	2,272	2,286
031021000	PONDER	DENTON	TRINITY	643	1,787	3,573	5,717	6,611	6,789
030487000	PRINCETON	COLLIN	TRINITY	700	1,680	3,024	5,041	8,401	12,602
030799000	PROSPER	COLLIN	TRINITY	2,061	7,561	10,921	12,322	13,162	14,002
030799000	PROSPER	DENTON	TRINITY	515	2,240	3,921	5,881	6,441	7,001
034313000	R-C-H WSC	ROCKWALL	TRINITY	420	462	499	538	584	638
030737000	RED OAK	ELLIS	TRINITY	1,143	1,463	1,745	2,034	2,357	2,713
030739000	RENO	PARKER	TRINITY	331	345	356	366	376	387
030946000	RHOME	WISE	TRINITY	603	1,184	1,694	2,166	2,585	3,099
030947000	RICE	NAVARRO	TRINITY	233	274	317	364	420	488
034409000	RICE WSC	ELLIS	TRINITY	132	177	222	267	318	374
034409000	RICE WSC	NAVARRO	TRINITY	855	1,077	1,307	1,557	1,855	2,222
030498000	RICHARDSON	COLLIN	TRINITY	7,023	10,854	10,854	10,854	10,854	10,854
030498000	RICHARDSON	DALLAS	TRINITY	25,820	26,178	26,178	26,178	26,178	26,178
030499000	RICHLAND HILLS	TARRANT	TRINITY	1,355	1,452	1,548	1,661	1,726	1,750
030505000	RIVER OAKS	TARRANT	TRINITY	1,042	1,042	1,042	1,042	1,042	1,042
030800000	ROANOKE	DENTON	TRINITY	1,209	1,960	3,080	4,201	5,601	6,747
034325000	ROCKETT SUD	DALLAS	TRINITY	340	426	477	528	594	683
034325000	ROCKETT SUD	ELLIS	TRINITY	4,161	5,119	5,607	6,370	7,323	8,430
030513000	ROCKWALL	ROCKWALL	TRINITY	8,603	15,402	19,883	22,403	22,995	22,995
030521000	ROWLETT	DALLAS	TRINITY	10,997	14,152	16,238	17,925	19,291	20,397
030521000	ROWLETT	ROCKWALL	TRINITY	1,617	1,722	1,725	1,725	1,725	1,725
031059000	RUNAWAY BAY	WISE	TRINITY	329	405	478	550	632	726
030742000	SACHSE	COLLIN	TRINITY	741	1,212	1,404	1,485	1,520	1,546
030742000	SACHSE	DALLAS	TRINITY	2,350	2,953	3,446	3,894	4,301	4,670
030527000	SAGINAW	TARRANT	TRINITY	2,956	3,692	4,162	4,505	4,755	4,938
031072000	SAINT PAUL	COLLIN	TRINITY	198	496	991	1,586	1,884	1,983

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
030535000	SANGER	DENTON	TRINITY	2,333	2,950	3,518	4,195	4,704	4,901
030539000	SANSOM PARK VILLAGE	TARRANT	TRINITY	623	644	661	673	683	691
034330000	SARDIS-LONE ELM WSC	DALLAS	TRINITY	8	8	8	8	8	8
034330000	SARDIS-LONE ELM WSC	ELLIS	TRINITY	1,718	1,770	1,782	1,982	2,366	2,869
030547000	SEAGOVILLE	DALLAS	TRINITY	2,574	2,961	3,295	3,656	3,938	4,241
030547000	SEAGOVILLE	KAUFMAN	TRINITY	3	4	6	7	10	12
030959000	SEVEN POINTS	HENDERSON	TRINITY	181	217	252	288	333	389
030803000	SHADY SHORES	DENTON	TRINITY	320	464	566	671	777	888
034336000	SOUTH GRAYSON WSC	COLLIN	TRINITY	220	227	235	238	242	246
034336000	SOUTH GRAYSON WSC	GRAYSON	TRINITY	176	279	367	470	587	734
030570000	SOUTHLAKE	DENTON	TRINITY	336	672	1,008	1,344	1,949	2,016
030570000	SOUTHLAKE	TARRANT	TRINITY	11,620	13,960	15,168	15,792	16,114	16,280
034341000	SOUTHWEST FANNIN COUNTY SUD	FANNIN	TRINITY	5	8	9	10	10	11
030574000	SPRINGTOWN	PARKER	TRINITY	521	694	868	1,042	1,215	1,389
030749000	SUNNYVALE	DALLAS	TRINITY	1,815	2,540	3,266	3,992	4,718	4,827
031065000	TALTY	KAUFMAN	TRINITY	866	1,356	1,860	2,419	3,111	3,968
030596000	TEAGUE	FREESTONE	TRINITY	338	459	507	561	611	662
030599000	TERRELL	KAUFMAN	TRINITY	3,643	4,469	5,193	5,669	6,136	6,819
030752000	THE COLONY	DENTON	TRINITY	5,513	7,214	8,115	8,373	8,631	8,708
030974000	TIOGA	GRAYSON	TRINITY	196	445	623	712	784	819
030976000	TOM BEAN	GRAYSON	TRINITY	268	304	345	365	385	406
030753000	TOOL	HENDERSON	TRINITY	419	479	538	598	671	764
030978000	TRENTON	FANNIN	TRINITY	209	314	524	838	1,257	1,676
030609000	TRINIDAD	HENDERSON	TRINITY	188	192	196	200	205	211
030806000	TROPHY CLUB	DENTON	TRINITY	2,737	3,086	3,386	3,646	3,927	4,207
034367000	TWO WAY SUD	GRAYSON	TRINITY	207	301	368	438	509	579
030615000	UNIVERSITY PARK	DALLAS	TRINITY	7,394	7,565	7,687	7,776	7,840	7,886
030981000	VALLEY VIEW	COOKE	TRINITY	193	386	644	902	1,546	1,932
030619000	VAN ALSTYNE	GRAYSON	TRINITY	1,011	2,464	3,360	3,808	4,145	4,301
034371000	VIRGINIA HILL WSC	HENDERSON	TRINITY	403	405	407	409	412	415
034373000	WALNUT CREEK SUD	PARKER	TRINITY	2,128	2,753	3,258	3,695	4,160	4,669
034373000	WALNUT CREEK SUD	WISE	TRINITY	261	335	407	479	559	653
030632000	WATAUGA	TARRANT	TRINITY	3,542	3,725	3,871	3,987	4,080	4,154
030633000	WAXAHACHIE	ELLIS	TRINITY	6,589	8,435	10,797	13,821	17,693	22,648
030634000	WEATHERFORD	PARKER	TRINITY	5,108	6,464	7,696	8,690	9,757	10,952
034381000	WEST CEDAR CREEK MUD	HENDERSON	TRINITY	1,352	1,926	2,386	2,767	3,233	3,821
034381000	WEST CEDAR CREEK MUD	KAUFMAN	TRINITY	955	1,598	2,200	2,787	3,513	4,414
034391000	WEST WISE RURAL SUD	WISE	TRINITY	517	572	625	677	736	805
031069000	WESTON	COLLIN	TRINITY	269	717	1,568	4,481	7,841	13,442
031070000	WESTOVER HILLS	TARRANT	TRINITY	279	279	279	279	279	279
030644000	WESTWORTH VILLAGE	TARRANT	TRINITY	252	306	325	348	374	412
030651000	WHITE SETTLEMENT	TARRANT	TRINITY	2,584	2,780	3,026	3,107	3,353	3,598

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
030650000	WHITESBORO	GRAYSON	TRINITY	458	482	499	508	514	521
030756000	WILLOW PARK	PARKER	TRINITY	648	806	986	1,139	1,300	1,475
030657000	WILMER	DALLAS	TRINITY	678	966	1,134	1,353	1,803	2,834
034403000	WOODBINE WSC	COOKE	TRINITY	661	729	798	866	934	1,003
034403000	WOODBINE WSC	GRAYSON	TRINITY	13	14	14	14	14	14
030668000	WORTHAM	FREESTONE	TRINITY	251	262	268	270	270	270
030669000	WYLIE	COLLIN	TRINITY	6,804	10,782	13,442	18,818	19,715	21,544
030669000	WYLIE	DALLAS	TRINITY	117	185	235	279	319	355
030669000	WYLIE	ROCKWALL	TRINITY	136	234	306	383	474	504
Total				1,531,395	1,850,570	2,107,253	2,364,829	2,662,105	3,015,265



## Appendix B

BD07 - Region C Industrial Demands in Trinity Basin

WUG ID	WUG Name	WUG County Name	WUG Basin Name	TWD2010	TWD2020	TWD2030	TWD2040	TWD2050	TWD2060
031001043	MANUFACTURING	COLLIN	TRINITY	3,607	4,137	4,654	5,170	5,633	6,115
031001049	MANUFACTURING	COOKE	TRINITY	273	306	335	364	389	421
	MANUFACTURING		TRINITY	34,115	37,791	41,148	44,214	46,703	46,983
031001061	MANUFACTURING	DENTON	TRINITY	1,068	1,239	1,408	1,579	1,731	1,880
	MANUFACTURING		TRINITY	3,466	3,670	3,841	3,987	4,089	3,912
031001091	MANUFACTURING	GRAYSON	TRINITY	2	2	2	2	2	2
	MANUFACTURING		TRINITY	110	118	133	151	172	195
031001129	MANUFACTURING	KAUFMAN	TRINITY	760	813	869	928	993	1,061
031001175	MANUFACTURING	NAVARRO	TRINITY	1,172	1,328	1,468	1,607	1,730	1,872
031001184	MANUFACTURING	PARKER	TRINITY	548	618	685	751	809	878
031001199	MANUFACTURING	ROCKWALL	TRINITY	12	14	16	17	19	21
031001220	MANUFACTURING	TARRANT	TRINITY	17,258	20,444	23,630	26,924	29,919	32,457
031001249	MANUFACTURING	WISE	TRINITY	2,313	2,660	2,979	3,277	3,539	3,858
Total				64,704	73,140	81,168	88,971	95,728	99,655



## Appendix C

BD07 - Region C Conservation Supply in Trinity Basin

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WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Basi	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	COLLIN	TRINITY	-	6	72	108	119	130
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	COOKE	TRINITY	-	1	7	10	11	12
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION	031001057	MANUFACTURING	DALLAS	TRINITY	-	68	781	1,135	1,212	1,258
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	DENTON	TRINITY	-	2	29	44	49	53
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	HENDERSON	TRINITY	-	-	3	4	5	5
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	KAUFMAN	TRINITY	-	1	15	22	23	25
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	NAVARRO	TRINITY	-	1	16	23	25	27
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	PARKER	TRINITY	-	-	4	6	7	7
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	ROCKWALL	TRINITY	-	_	-		1	1
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	TARRANT	TRINITY	-	35	413	630	711	784
C01CONSMFG	MANUFACTURING CONSERVATION	CONSERVATION		MANUFACTURING	WISE	TRINITY	-	1	12	18	19	21
C01CONSACC	MUNICIPAL CONSERVATION-ACCELERATED	CONSERVATION	030151000		COLLIN	TRINITY	316	242	20	-	-	_
C01CONSACC	MUNICIPAL CONSERVATION-ACCELERATED	CONSERVATION	030151000		DALLAS	TRINITY	6.891	5.235	437	-	_	-
C01CONSACC	MUNICIPAL CONSERVATION-ACCELERATED	CONSERVATION	030151000	_	DENTON	TRINITY	147	108	9	-	_	_
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030008000		COLLIN	TRINITY	708	1,430	1,960	2,346	2,694	3,019
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030813000		COLLIN	TRINITY	43	141	243	366	543	936
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BLUE RIDGE	COLLIN	TRINITY	5	25	48	80	125	150
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		CADDO BASIN SUD	COLLIN	TRINITY	4	13	17	22	28	34
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030103000		COLLIN	TRINITY	31	259	630	1,263	2,157	2,750
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	COLLIN	TRINITY	14	41	41	40	38	36
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		CULLEOKA WSC	COLLIN	TRINITY	21	80	102	126	154	185
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030151000		COLLIN	TRINITY	435	782	986	1.149	1,318	1.407
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		DANVILLE WSC	COLLIN	TRINITY	30	76	106	141	182	231
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		EAST FORK SUD	COLLIN	TRINITY	10	36	47	58	71	86
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		FAIRVIEW	COLLIN	TRINITY	48	105	160	275	520	1,017
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		FARMERSVILLE	COLLIN	TRINITY	6	38	59	96	151	221
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030221000		COLLIN	TRINITY	1,319	4,345	5,104	5.924	6,805	7,561
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		GUNTER RURAL WSC	COLLIN	TRINITY	1,313	43	53	67	82	100
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		HICKORY CREEK SUD	COLLIN	TRINITY	-	1	1	2	2	3
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		JOSEPHINE	COLLIN	TRINITY	1	13	14	15	16	16
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LAVON WSC	COLLIN	TRINITY	8	34	52	110	182	260
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LOWRY CROSSING	COLLIN	TRINITY	10	23	31	40	51	214
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030718000		COLLIN	TRINITY	37	64	84	116	175	254
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MCKINNEY	COLLIN	TRINITY	931	2,996	4,851	7,228	9,407	11,700
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030914000		COLLIN	TRINITY	87	2,990	357	497	693	956
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MILLIGAN WSC	COLLIN	TRINITY	3	11	12	13	13	14
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MUENSTER	COOKE	TRINITY	11	25	31	38	47	57
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030724000		COLLIN	TRINITY	51	337	384	431	479	527
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030724000		COLLIN	TRINITY	2	8	12	26	50	139
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		NEW HOPE	COLLIN	TRINITY	7	19	36	62	105	259
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		NORTH COLLIN WSC	COLLIN	TRINITY	31	76	102	131	166	206
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030733000		COLLIN	TRINITY	55	186	322	604	1.000	1.530
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030472000		COLLIN	TRINITY	1,937	3,439	4,180	4.970	5,800	6,692
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		PRINCETON	COLLIN	TRINITY	1,937	55	108	194	350	563
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		PROSPER	COLLIN	TRINITY	64	373	626	806	966	1,140
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		RICHARDSON	COLLIN	TRINITY	185	474	561	643	726	812
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030498000		COLLIN	TRINITY	22	65	87	103	117	132
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		SAINT PAUL	COLLIN	TRINITY	6	28	63	113	149	172
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		SOUTH GRAYSON WSC	COLLIN	TRINITY	4	11	12	13	149	15
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WESTON	COLLIN	TRINITY	5	41	92	299	584	1,108
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030669000		COLLIN	TRINITY	281	877	1,196	1.816	2.059	2,420
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BOLIVAR WSC	COOKE	TRINITY	3	12	1,196	1,616	2,059	2,420
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC  MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	COOKE	TRINITY	12	46	51	55	58	61
C01CONSBAS				GAINESVILLE	COOKE	TRINITY	111	222	282	342	411	496
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC MUNICIPAL CONSERVATION-BASIC	CONSERVATION CONSERVATION		KIOWA HOMEOWNERS WSC	COOKE	TRINITY			282	26		29
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC  MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030899000		COOKE	TRINITY	6 5	21 10	12	13	28 14	16
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC  MUNICIPAL CONSERVATION-BASIC	CONSERVATION		VALLEY VIEW	COOKE	TRINITY		17	31		83	110
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC  MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WOODBINE WSC	COOKE	TRINITY	3	33	39	46 44	50	
C01CONSBAS		CONSERVATION	030673000		DALLAS	TRINITY	213	345	465	587	707	57 826
CAGCNODAO	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	1030073000	אוספוממע	INVITAG	LININIT	∠13	343	400	20/	707	020

COLONISSISS   MARICPAL CORSERVATION SIGNED   CONSERVATION   DIVISION DIVISION   COLONISSIST   COLO	WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Basi	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
DECONDRISAS MINICIPAL CONSERVATION BASIC CONSERVATION SISTEMO CONTRACTOR OLLAS TRANTY 690 2250 2751 3.181 3.600 4.000   CONSERVATION SISTEMO CONSERVATION BASIC CONSERVATION SISTEMO CONTRACTOR OLLAS TRANTY 3.0 111 181 18 19 23   DECONDRISAS MINICIPAL CONSERVATION BASIC CONSERVATION SISTEMO CONSERVATION	C01CONSBAS		CONSERVATION	030033000	BALCH SPRINGS	DALLAS	TRINITY	32	119	134	149	164	180
COTOCHESIA   MINICIPAL CONSERVATION BASIC   CONSERVATION   SOSTIONE CONCELL HILL   DALLAS   TRAINTY   SOSTIONE   200   31   33   33   33   33   33   33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030098000	CARROLLTON	DALLAS	TRINITY	304	548	643	734	829	929
DICCORDERAS   MINICPAL COMSERVATION ASSIC:   CONSERVATION   SOURCE   MINICPAL COMSERVATION   MINICPAL COMSERVATI	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030102000	CEDAR HILL	DALLAS	TRINITY	693	2,256	2,751	3,181	3,608	4,002
DOCKORSEA   MINICIPAL COMSERVATION-ASSIC   CONSERVATION   SOURCEOCCOMBINE   DALLAS   TRINITY   2   6   8   9   10   13   16   15   22   20   17   13   16   16   18   20   10   13   16   10   13   16   10   10   10   10   10   10   10	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030121000	COCKRELL HILL	DALLAS	TRINITY	7	26	29	31	33	36
DECOMERGE   MINICIPAL COMERVATIONABASIC   CONSERVATION   SOMESSIGN COMPRENS   CONSERVATION   C	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030766000	COMBINE	DALLAS	TRINITY	2	6	8	9	10	
COLONSIBAS   MINICPAL CONSERVATION ASSIC   CONSERVATION   2013/05/05/05/05/05/05/05/05/05/05/05/05/05/													
COLOGNESSAS MANUEPAL CONSERVATION ASSIC CONSERVATION 037/05/COUNTY-OTHER DALLAS TRINITY 2, 7, 6, 5, 4, 3, 7, 805 (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1						DALLAS	TRINITY		507				
COTOCORSAS MANICIPAL CONSERVATION-BASIC CONSERVATION 00097000040000 ALLAS TRINITY 0.00 21.007 24.880 31.070 37.880 2010008836 MANICIPAL CONSERVATION-BASIC CONSERVATION MADRIED C	C01CONSBAS								7			4	
COTOCOSSAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03468000 (PALLAS CURTY WICE) ## 0 041.48 FRINTY 00 086 86 1,72 1,413 1,613 1,01						DALLAS	TRINITY	9.491	16.910	21.067	24.888	31.078	
COTOMBRAS MUNICIPAL CONSERVATION ASSIC CONSERVATION 0919100/DE SOTIO ALLAS TRINITY 20 68 77 7 8 9 75 051 051 051 051 051 051 051 051 051 05	C01CONSBAS												
CONCENSIAS MUNICIPAL CONSERVATION ASSIC CONSERVATION DISCOURTED THE PROPERTY OF THE PROPERTY O	C01CONSBAS						TRINITY						
CONCONSIBAS MUNICIPAL CONSERVATION PASSIC CONSERVATION 03098000 EAST FORK SUD DALLAS TRINITY 25 6 7 7 8 8 9 9 000 000 000 000 000 000 000 000	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030171000	DUNCANVILLE	DALLAS	TRINITY	226	439	513		668	
CONDENSARS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   S0918900   FAMERS BRANCH   DALLAS   TRINITY   296   525   667   819   980   1,140   CONCONDRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   0.0006700   GARAD PRUNE   DALLAS   TRINITY   15   5   68   81   54   109   CONCONDRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   0.0006700   GARAD PRUNE   DALLAS   TRINITY   15   5   68   81   54   109   CONCONDRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION	C01CONSBAS					DALLAS	TRINITY		6				
CONDERNATION BASIC CONSERVATION BASIC CONSERVATION (0.0000000 (LENN HEIGHTS DALLAS TRINITY 1.251 (2.533 3.083 3.648 4.229 4.665) CONCONDADA MUNICIPAL CONSERVATION BASIC CONSERVATION (0.0000000 (LENN HEIGHTS DALLAS TRINITY 710 1.552 2.067 2.752 3.063 4.967) CONCONDADA MUNICIPAL CONSERVATION BASIC CONSERVATION (0.000000 (LENN HEIGHTS DALLAS TRINITY 710 1.552 2.067 2.752 3.063 4.967) CONCONDADA MUNICIPAL CONSERVATION BASIC CONSERVATION (0.0000000 (HIGHAND PARK DALLAS TRINITY 710 1.552 2.067 2.752 3.063 4.967) CONCONDADA MUNICIPAL CONSERVATION BASIC CONSERVATION (0.00000000000000000000000000000000000	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030198000	FARMERS BRANCH		TRINITY	295	525	667	819	980	1.149
COTCONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03092700 GLENN HEIGHTS DALLAS TRINITY 16 56 68 81 94 109 COTCONSBAS MUNICIPAL CONSERVATION 030927000 GRAND PRAIRIE DALLAS TRINITY 71 1552 207 2,752 8,033 4,752 COTCONSBAS MUNICIPAL CONSERVATION 030927000 HIGH-LAND PARK DALLAS TRINITY 24 73 87 102 117 132 COTCONSBAS MUNICIPAL CONSERVATION 030927000 HIGH-LAND PARK DALLAS TRINITY 37 126 232 384 589 689 COTCONSBAS MUNICIPAL CONSERVATION 030927000 HIGH-LAND PARK DALLAS TRINITY 37 126 232 384 589 689 COTCONSBAS MUNICIPAL CONSERVATION 030927000 HIGH-LAND PARK DALLAS TRINITY 14 452 2,263 3,229 3,300 4,577 5,283 COTCONSBAS MUNICIPAL CONSERVATION 03092800 HIGH-LAND PARK DALLAS TRINITY 14 452 2,263 3,229 3,300 4,577 5,283 COTCONSBAS MUNICIPAL CONSERVATION 03092800 HIGH-LAND PARK DALLAS TRINITY 14 652 2,263 3,229 3,300 4,577 5,283 COTCONSBAS MUNICIPAL CONSERVATION 03092800 HIGH-LAND PARK DALLAS TRINITY 18 69 140 140 140 3,000 140 140 140 140 140 140 140 140 140													
CONCENSARS MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (HIGHLAND PARK)  MUNICIPAL CONSERVATION BASIC CONSERVATION 03029400 (MILLA DALLAS TRINITY 1609 15.44 30.75 30.44 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14 1.05.14 1.05.82 1.05.14 1.05.82 1.05.14													
CONCINGABAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   30327000   HUTCHINS   DALLAS   TRINITY   24   73   87   102   117   132   13													
CONCOMBARS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   030294000   HUTCHINS   DALLAS   TRINITY   37   126   232   394   599   692   CONCOMBARS   MUNICIPAL CONSERVATION   20029000   RVINING   DALLAS   TRINITY   1402   2563   3.229   3.900   4.577   5.263   2001   CONSERVATION   20029000   RVINING   DALLAS   TRINITY   1402   2563   3.229   3.900   4.577   5.263   2001   CONSERVATION   20029000   RVINING   DALLAS   TRINITY   160   429   5583   756   921   1.0569   2001   CONSERVATION   20040000   MESOLUTE   DALLAS   TRINITY   160   429   5583   756   921   1.0569   4001   CONSERVATION   20040000   MESOLUTE   DALLAS   TRINITY   160   429   4504   4001   400													
CONCORBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030288001 (RIVING   DALLAS   TRINITY   1.452   2.583   3.229   3.900   4.577   5.283   0.000													
CONCONBRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   030345001 (LANCASTER   DALLAS   TRINITY   898   1,949   2,548   3,075   3,504   3,882   CONCONBRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   03072900 (OVILLA   DALLAS   TRINITY   678   1,141   1,353   1,552   1,751   1,969   CONCONBRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   03072900 (OVILLA   DALLAS   TRINITY   678   1,141   1,353   1,552   1,751   1,969   CONCONBRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   03048900 (FICHARDSON   DALLAS   TRINITY   678   1,141   1,353   1,552   1,751   1,969   CONCONBRAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   030482500 (FROKETT SUD   DALLAS   TRINITY   678   1,669   1,000   1,243   1,465   1,732   1,745   1,7													
COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03040100 (MESOUITE DALLAS TRINITY 2 d 6 11 18 29 46 001CONSBAS MUNICIPAL CONSERVATION 0304000 (RICHARDSON DALLAS TRINITY 2 d 6 11 18 129 46 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03040000 (RICHARDSON DALLAS TRINITY 67 11 14 1,333 1,552 1,751 1,000 1,0										,			
COICONSBASA MUNICIPAL CONSERVATION BASIC CONSERVATION 30372800 GVILLA  DALLAS TRINITY 2 6 6 11 18 29 46 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 30349800 (RICHARDSON DALLAS TRINITY 5 18 12 26 31 37 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 30349800 (RICKETT SUD DALLAS TRINITY 5 18 22 26 31 37 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 30352100 (ROCKETT SUD DALLAS TRINITY 7 1 150 212 260 332 397 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 30352100 (ROCKETT SUD DALLAS TRINITY 71 150 212 260 332 397 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 3035200 (SACHSE DALLAS TRINITY 71 150 212 260 332 397 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 3035400 (SACHSE DALLAS TRINITY 71 150 212 260 332 397 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 3035400 (SACHSE DALLAS TRINITY 70 100 121 145 168 193 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 3035400 (SACHSE DALLAS TRINITY 30 100 121 145 168 193 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 3035400 (SACHSE DALLAS TRINITY 30 100 121 145 168 193 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 303565700 (UNIVERSITY PARK DALLAS TRINITY 40 154 180 206 232 250 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 303655700 (UNIVERSITY PARK DALLAS TRINITY 40 154 180 206 232 250 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 303655700 (UNIVERSITY PARK DALLAS TRINITY 40 154 180 206 232 250 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 303655700 (UNIVERSITY PARK DALLAS TRINITY 40 154 180 206 232 250 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 303655700 (UNIVERSITY PARK DALLAS TRINITY 40 154 180 206 232 250 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 303665700 (UNIVERSITY PARK DALLAS TRINITY 40 154 180 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 81 140 206 28 206 28 81 140 206 28 206 28 206 28 206 28 206 28 206 28 206 28 206 2													
COTCONSBASA   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   303495006 RICHARDSON   DALLAS   TRINITY   5   18   22   26   31   37										,	-,		
COTCONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION G03625000 ROWLETT DALLAS TRINITY 5 18 22 26 31 37 37 100 100 101 121 143 1485 1732 100 100 100 100 100 100 100 100 100 10													
COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030521007 ROWLETT DALLAS TRINITY 328 764 1.001 1.243 1.485 1.732 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030742007 SACHSE DALLAS TRINITY 71 159 212 269 2332 3.397 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030547007 SACHSE DALLAS TRINITY 7 71 159 212 269 2332 3.397 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030547007 SACHSE DALLAS TRINITY 30 100 121 145 168 193 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030547007 SACHSE DALLAS TRINITY 30 100 121 145 168 193 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030549007 SUNNYVALE DALLAS TRINITY 50 115 173 243 325 371 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030549007 WILMER DALLAS TRINITY 49 154 180 206 2.32 2599 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030569007 WILMER DALLAS TRINITY 10 39 49 62 88 147 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030569007 WILMER DALLAS TRINITY 15 15 21 27 33 40 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030569007 WILMER DALLAS TRINITY 5 15 21 27 33 40 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030569007 WILMER DALLAS TRINITY 26 52 58 64 77 79 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030507000 ARGYLE WSC DENTON TRINITY 26 52 58 64 77 79 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 030507000 ARGYLE WSC DENTON TRINITY 26 52 58 64 171 79 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03050000 BARTONVILLE DENTON TRINITY 34 125 199 263 310 350 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03050000 BARTONVILLE DENTON TRINITY 34 125 199 263 310 350 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03050000 CONSERVATION 03050000 BARTONVILLE WSC DENTON TRINITY 34 19 25 30 36 42 COICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000 CONSERVATION 03050000000000 CONSERVATION 0305													
COTICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03742003 SACHSE UNIVERSE DALLAS TRINITY 1, 159 212 269 332 397 COTICONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 034530003 SACHSE UNIVERSE DALLAS TRINITY 1 1 1 1 1 1 1 1 1 1 1 1 1 1													
COTCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03430000 SARDIS-LONE ELM WSC   DALLAS   TRINITY     1   1   1   1   1   1					-					,	, .	,	
COTICONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   303647000 SLARQOVILLE   DALLAS   TRINITY   30   100   121   145   168   193   301													
COTICONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   30374900 SUNIVAVEE   DALLAS   TRINITY   50   115   173   243   325   371   201   2								30	100	121			
COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0306/500/ UNIVERSITY PARK DALLAS TRINITY 49 154 180 206 232 259 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0306/5000 (UNIVERSITY PARK DALLAS TRINITY 10 39 449 62 88 147 201 CONSERVATION-BASIC CONSERVATION 0306/5000 (UNIVERSITY PARK DALLAS TRINITY 5 15 21 27 33 440 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0306/5000 (UNIVERSITY PARK MUNICIPAL CONSERVATION-BASIC CONSERVATION 0306/5000 (UNIVERSITY PARK MUNICIPAL CONSERVATION-BASIC CONSERVATION 0306/5000 (ARGYLE DENTON TRINITY 80 187 275 347 4433 528 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/7000 (ARGYLE WSC DENTON TRINITY 28 52 58 64 771 76 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/7000 (ARGYLE WSC DENTON TRINITY 34 125 199 263 310 350 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (ARTOWILLE WSC DENTON TRINITY 34 125 199 263 310 350 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (ARTOWILLE WSC DENTON TRINITY 3 19 25 30 36 42 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (ARTOWILLE WSC DENTON TRINITY 3 19 25 30 36 42 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (ARTOWILLE WSC DENTON TRINITY 3 19 25 30 36 42 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (ARTOWILLE WSC DENTON TRINITY 3 19 25 30 36 42 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (ARTOWILLE WSC DENTON TRINITY 425 784 952 1,109 1,265 1,417 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (CONTITH DENTON TRINITY 425 784 952 1,109 1,265 1,417 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (CONTITH DENTON TRINITY 425 348 81 106 126 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (CONTITH DENTON TRINITY 445 336 449 548 688 800 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (CONTITH DENTON TRINITY 440 336 449 548 688 800 COTICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0300/5000 (CONTITH DENTON TRINITY 440 1,150 1,150 1,150													
CONSERVATION   CONS													
CONSERVATION   CONS													
CO1CONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03067700C/ARGYLE DENTON TRINITY 69 187 275 347 433 528 CO1CONSBAS MUNICIPAL CONSERVATION 03067700C/ARGYLE WSC DENTON TRINITY 26 52 58 64 71 78 CO1CONSBAS MUNICIPAL CONSERVATION BASIC CONSERVATION 03075800C/AUBREY DENTON TRINITY 8 52 95 88 126 181 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03075800C/AUBREY DENTON TRINITY 34 125 199 263 310 350 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03407000C/ABRTONVILLE WSC DENTON TRINITY 34 125 199 263 310 350 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03401000C/ABRTONVILLE WSC DENTON TRINITY 34 125 199 263 310 350 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03401000C/ABRTONVILLE WSC DENTON TRINITY 34 125 199 263 310 350 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0340100C/ABRTONVILLE WSC DENTON TRINITY 15 61 134 318 550 790 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0340200C/ABRTONVILLE WSC DENTON TRINITY 15 61 134 318 150 790 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0309800C/ABRCONTON DENTON TRINITY 45 784 952 11,109 1,265 1417 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03013300C/COPPELL DENTON TRINITY 3 7 10 14 17 21 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03084900C/COPPER CANYON DENTON TRINITY 11 28 48 8 81 106 126 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0306990C/COUNTY-OTHER DENTON TRINITY 116 263 348 445 151 615 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03067506 COUNTY-OTHER DENTON TRINITY 16 58 112 216 380 530 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03075706 COUNTY-OTHER DENTON TRINITY 16 58 112 216 380 530 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03011100C/CROSS ROADS DENTON TRINITY 16 58 112 216 380 530 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03011100C/CROSS ROADS DENTON TRINITY 202 350 430 452 558 581 615 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03011100C/CROSS ROADS DENTON TRINITY 30 81 127 184 227 184 227 184 227 184 227 184 227 184 227 184 227 1													
COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030407000/ARGYLE WSC DENTON TRINITY 26 52 58 64 71 78 76 100100000000000000000000000000000000								69	187	275		433	
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COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 034028000 CARROLLTON DENTON TRINITY 15 61 134 318 550 790 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03098000 CARROLLTON DENTON TRINITY 425 784 952 1,1497 1,265 1,447 21 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03103000 COPPEL DENTON TRINITY 3 7 10 14 17 21 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03034900 COPPER CANYON DENTON TRINITY 11 28 48 81 106 126 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030691001 CORNITH DENTON TRINITY 11 28 448 81 106 126 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030691001 CORNITH DENTON TRINITY 11 28 303 439 548 668 800 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03075706 COUNTY-OTHER DENTON TRINITY 16 58 112 216 380 530 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 031011001 CROSS ROADS DENTON TRINITY 16 58 112 216 380 530 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 031011001 CARSS ROADS DENTON TRINITY 16 58 112 216 380 530 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 031011001 DALLAS DENTON TRINITY 17 202 350 430 492 558 581 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 031059001 DENTON DENTON TRINITY 202 350 430 492 558 581 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0301590001 DENTON DENTON TRINITY 30 81 127 184 251 330 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030469000 DENTON COUNTY FWSD DENTON TRINITY 30 81 127 184 251 330 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030204000 FLOWER MOUND DENTON TRINITY 30 81 127 184 251 330 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030204000 FLOWER MOUND DENTON TRINITY 30 1,1573 2,051 2,479 2,882 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030214000 FORT WORTH DENTON TRINITY 30 1,1573 2,051 2,479 2,882 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030214000 FORT WORTH DENTON TRINITY 31 10 144 17 19 20 COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030214000 FORT WORTH DENTON TRINITY 31 10 144 17 19 20 COICONSBAS MUNICIPAL CONSERVATION-	C01CONSBAS			034010000	BARTONVILLE WSC	DENTON			19	25	30	36	
COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03098000 CARROLLTON DENTON TRINITY 425 784 952 1,109 1,265 1,417 (2010) (20													
COICONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION   03013300  COPPELL   DENTON   TRINITY   3   7   10   14   17   21   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03084900  COPPER CANYON   DENTON   TRINITY   11   28   48   81   106   126   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03069100  CORINTH   DENTON   TRINITY   116   263   348   445   531   615   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03069100  CORINTH   DENTON   TRINITY   116   263   348   445   531   615   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03076706  COUNTY-OTHER   DENTON   TRINITY   94   336   439   548   668   800   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03011100  CROSS ROADS   DENTON   TRINITY   16   58   112   216   380   530   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03015100  DALLAS   DENTON   TRINITY   16   58   112   216   380   530   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03015900  DENTON   DENTON   TRINITY   202   350   430   492   558   581   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03015900  DENTON   DENTON   TRINITY   847   1,912   2,798   3,773   5,247   8,013   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03048900  DENTON   DENTON   TRINITY   30   81   127   184   251   330   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03076800  DUBLE OAK   DENTON   TRINITY   20   39   48   58   68   79   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03020400  FLOWER MOUND   DENTON   TRINITY   490   1,159   1,573   2,051   2,479   2,882   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03020400  FINSCO   DENTON   TRINITY   30   1,573   2,051   2,479   2,882   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03020400  FINSCO   DENTON   TRINITY   30   1,573   2,051   2,479   2,882   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03076600  HEBRON   DENTON   TRINITY   3   10   14   17   19   20   COICONSBAS MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030766													
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03084900 COPPER CANYON DENTON TRINITY 11 28 48 81 106 126 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030849000 CORINTH DENTON TRINITY 116 263 348 445 531 615 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03075706 (COUNTY-OTHER DENTON TRINITY 16 263 348 445 531 615 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03075706 (COUNTY-OTHER DENTON TRINITY 16 58 112 216 380 530 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 031011000 CROSS ROADS DENTON TRINITY 16 58 112 216 380 530 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON DENTON TRINITY 202 350 430 492 558 581 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON DENTON TRINITY 847 1,912 2,798 3,773 5,247 8,013 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030489000 DENTON COUNTY FWSD DENTON TRINITY 30 81 127 184 251 330 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030768000 DENTON COUNTY FWSD DENTON TRINITY 20 39 48 58 68 79 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030768000 DENTON DENTON TRINITY 40 1,159 1,573 2,051 2,479 2,882 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030764000 FLOWER MOUND DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH DENTON TRINITY 490 1,648 2,879 3,618 4,281 4,733 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03076000 FLOWER DENTON TRINITY 490 1,648 2,879 3,618 4,281 4,733 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03076000 FLOWER CONSERVATION DENTON TRINITY 4 6 18 35 78 130 155 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION													
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03069100  CORINTH   DENTON   TRINITY   116   263   348   445   531   615   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03075706 COUNTY-OTHER   DENTON   TRINITY   94   336   439   548   668   800   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03101100  CROSS ROADS   DENTON   TRINITY   16   58   112   216   380   530   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03015100  DALLAS   DENTON   TRINITY   202   350   430   492   558   581   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03015100  DENTON   DENTON   TRINITY   202   350   430   492   558   581   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03015900  DENTON   DENTON   DENTON   TRINITY   30   81   127   184   251   330   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030768000  DENTON   DENTON   TRINITY   20   39   48   58   68   79   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030204000  FLOWER MOUND   DENTON   TRINITY   490   1,159   1,573   2,051   2,479   2,882   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03020400  FLOWER MOUND   DENTON   TRINITY   30   348   58   68   79   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03020400  FLOWER MOUND   DENTON   TRINITY   490   1,159   1,573   2,051   2,479   2,882   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03021300  FORT WORTH   DENTON   TRINITY   33   345   601   985   1,614   2,359   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03021300  FORT WORTH   DENTON   TRINITY   33   10   14   17   19   20   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0307500  HEBRON   DENTON   TRINITY   3   10   14   17   19   20   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0307600  HEBRON   DENTON   TRINITY   8   33   44   58   82   112   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0307600  HIBRON   DENTON   TRINITY   102   208   252   291   329   367   CO1CONSBAS   MUNICIPA	C01CONSBAS												
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03101100 CROSS ROADS DENTON TRINITY 16 58 112 216 380 530 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030151000 DALLAS DENTON TRINITY 202 350 430 492 558 581 591 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON DENTON TRINITY 202 350 430 492 558 581 591 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON DENTON TRINITY 30 81 127 184 251 330 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON COUNTY FWSD DENTON TRINITY 30 81 127 184 251 330 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030768000 DOUBLE OAK DENTON TRINITY 20 39 48 58 68 79 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030204000 FLOWER MOUND DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH DENTON TRINITY 33 345 601 985 1,614 2,359 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FRISCO DENTON TRINITY 690 1,648 2,879 3,618 4,281 4,733 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030221000 FRISCO DENTON TRINITY 690 1,648 2,879 3,618 4,281 4,733 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 35 78 130 155 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HIGHALD VILLAGE DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030784000 HIGKORY CREEK DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030784000 HIGKORY CREEK DENTON TRINITY 104 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 HIGKORY CREEK DENTON TRINITY 104 208 252 291 329 367 C01CONSBAS	C01CONSBAS						TRINITY	116	263	348	445	531	
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03101100 CROSS ROADS DENTON TRINITY 16 58 112 216 380 530 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030151000 DALLAS DENTON TRINITY 202 350 430 492 558 581 591 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON DENTON TRINITY 202 350 430 492 558 581 591 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON DENTON TRINITY 30 81 127 184 251 330 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030159000 DENTON COUNTY FWSD DENTON TRINITY 30 81 127 184 251 330 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030768000 DOUBLE OAK DENTON TRINITY 20 39 48 58 68 79 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030204000 FLOWER MOUND DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH DENTON TRINITY 33 345 601 985 1,614 2,359 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FRISCO DENTON TRINITY 690 1,648 2,879 3,618 4,281 4,733 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030221000 FRISCO DENTON TRINITY 690 1,648 2,879 3,618 4,281 4,733 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 35 78 130 155 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HIGHALD VILLAGE DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030784000 HIGKORY CREEK DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030784000 HIGKORY CREEK DENTON TRINITY 104 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 HIGKORY CREEK DENTON TRINITY 104 208 252 291 329 367 C01CONSBAS	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030757061	COUNTY-OTHER	DENTON	TRINITY	94	336	439	548	668	800
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03015100( DALLAS DENTON TRINITY 202 350 430 492 558 581 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03015900( DENTON DENTON TRINITY 847 1,912 2,798 3,773 5,247 8,013 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03015900( DENTON COUNTY FWSD DENTON TRINITY 30 81 127 184 251 330 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03076800( DOUBLE OAK DENTON TRINITY 20 39 48 58 68 79 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03020400( FLOWER MOUND DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300( FORT WORTH DENTON TRINITY 33 345 601 985 1,614 2,359 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300( FRISCO DENTON TRINITY 33 3,46 601 985 1,614 2,359 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03022100( FRISCO DENTON TRINITY 3 10 14 17 19 20 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03022100( FRISCO DENTON TRINITY 3 10 14 17 19 20 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030200( HACKBERRY DENTON TRINITY 3 10 14 17 19 20 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03077600( HEBRON DENTON TRINITY 3 10 14 17 19 20 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03077600( HEBRON DENTON TRINITY 8 33 44 58 82 112 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0307040( HICKORY CREEK DENTON TRINITY 8 33 44 58 82 112 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0307040( HICKORY CREEK DENTON TRINITY 102 208 252 291 329 367 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0307040( HICKORY CREEK DENTON TRINITY 102 208 252 291 329 367 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0307040( HICKORY CREEK DENTON TRINITY 10 102 208 252 291 329 367 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0307040( HICKORY CREEK DENTON TRINITY 10 102 208 252 291 329 367 001CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0307040( HICKORY CREEK DENTON TRINITY 10 102 208 252 291 329 367 001CONSBAS MUNICIPAL CONSERVATION	C01CONSBAS												
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03015900 DENTON DENTON TRINITY 847 1,912 2,798 3,773 5,247 8,013 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 034089000 DENTON COUNTY FWSD DENTON TRINITY 30 81 127 184 251 330 031 48 58 68 79 03016000 DENTON DENTON TRINITY 20 39 48 58 68 79 03016000 DENTON DENTON TRINITY 20 39 48 58 68 79 03016000 DENTON TRINITY 20 39 48 58 68 79 03016000 DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 031 0301600 DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 031 031600 DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 031600 DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 03160 DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 03160 DENTON TRINITY 30 30 345 601 985 1,614 2,359 03160 DENTON TRINITY 30 3001 46 001 985 1,614 2,359 03160 DENTON TRINITY 30 1,648 2,879 3,618 4,281 4,730 DENTON TRINITY 30 1,648 2,730 DENTON TRINITY 30 1,648	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION			DENTON	TRINITY	202	350	430	492	558	581
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03076800 DOUBLE OAK DENTON TRINITY 20 39 48 58 68 79 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030204000 FLOWER MOUND DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,882 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300 FORT WORTH DENTON TRINITY 33 345 601 985 1,614 2,359 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300 FRISCO DENTON TRINITY 690 1,648 2,879 3,618 4,281 4,733 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03102300 FRISCO DENTON TRINITY 3 10 14 17 19 20 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03102300 FRISCO DENTON TRINITY 3 10 14 17 19 20 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03077600 FRISCO DENTON TRINITY 6 18 35 78 130 155 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03077600 FRISCO DENTON TRINITY 8 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03070400 HIGHCORY CREEK DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 104 8 89 165 224 272 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 16 48 89 165 224 272 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03089200 KRUGERVILLE DENTON TRINITY 3 9 12 16 22 33	C01CONSBAS			030159000	DENTON		TRINITY		1,912	2,798	3,773	5,247	8,013
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03076800 DOUBLE OAK DENTON TRINITY 20 39 48 58 68 79 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030204000 FLOWER MOUND DENTON TRINITY 490 1,159 1,573 2,051 2,479 2,835 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300 FORT WORTH DENTON TRINITY 33 345 601 985 1,614 2,359 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300 FRISCO DENTON TRINITY 690 1,648 2,879 3,618 4,281 4,733 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03102300 HACKBERRY DENTON TRINITY 3 10 14 17 19 20 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03077600 HEBRON DENTON TRINITY 6 18 35 78 130 155 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03077600 HEBRON DENTON TRINITY 6 18 35 78 130 155 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03070400 HICKORY CREEK DENTON TRINITY 8 33 44 58 82 112 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03070400 HICKORY CREEK DENTON TRINITY 102 208 252 291 329 367 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 16 48 89 165 224 272 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 1 64 88 89 165 224 272 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 1 64 88 89 165 224 272 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 1 64 88 89 165 224 272 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 1 64 88 89 165 224 272 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 1 64 88 89 165 224 272 (201CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 1 66 18 83 20 112 16 22 33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034089000	DENTON COUNTY FWSD	DENTON	TRINITY	30	81	127	184	251	330
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300 FORT WORTH DENTON TRINITY 33 345 601 985 1,614 2,359 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030221000 FRISCO DENTON TRINITY 690 1,648 2,879 3,618 4,281 4,733 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 031023000 HACKBERRY DENTON TRINITY 3 10 14 17 19 20 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HEBRON DENTON TRINITY 6 18 35 78 130 155 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030776000 HIGKORY CREEK DENTON TRINITY 6 18 35 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030704000 HICKORY CREEK DENTON TRINITY 8 33 44 58 82 112 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030704000 HICKORY CREEK DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030784000 JUSTIN DENTON TRINITY 16 48 89 165 224 272 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030784000 JUSTIN DENTON TRINITY 1 16 48 89 165 224 272 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03089200 (RRUGERVILLE DENTON TRINITY 3 9 12 16 22 33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030768000	DOUBLE OAK	DENTON	TRINITY	20	39	48	58	68	
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03022100   FRISCO         DENTON         TRINITY         690   1,648   2,879   3,618   4,281   4,733             C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03102300   HACKBERRY         DENTON         TRINITY   3   10   14   17   19   20             C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   030776000   HEBRON         DENTON         TRINITY   6   18   35   78   130   155             C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   030704000   HICKORY CREEK         DENTON         TRINITY   8   33   44   58   82   112             C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   030706000   HIGHLAND VILLAGE         DENTON         TRINITY   102   208   252   291   329   367             C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   030784000   JUSTIN         DENTON         TRINITY   16   48   89   165   224   272             C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   030892000   KRUGERVILLE         DENTON         TRINITY   3   9   12   16   22   33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030204000	FLOWER MOUND	DENTON	TRINITY	490	1,159	1,573	2,051	2,479	2,882
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION 03102300 HACKBERRY         DENTON         TRINITY         3         10         14         17         19         20           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION 03077600 HEBRON         DENTON         TRINITY         6         18         35         78         130         155           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION 030704004 HICKORY CREEK         DENTON         TRINITY         8         33         44         58         82         112           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION 030706004 HIGHLAND VILLAGE         DENTON         TRINITY         102         208         252         291         367           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION 030764004 JUSTIN         DENTON         TRINITY         16         48         89         165         224         272           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION 030892004 KRUGERVILLE         DENTON         TRINITY         3         9         12         16         22         33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030213000	FORT WORTH	DENTON	TRINITY	33	345	601	985	1,614	2,359
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03077600   HEBRON         DENTON         TRINITY         6         18         35         78         130         155           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03070400   HICKORY CREEK         DENTON         TRINITY         8         33         44         58         82         112           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   030706000   HIGHLAND VILLAGE         DENTON         TRINITY         102         208         252         291         329         367           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03078400   JUSTIN         DENTON         TRINITY         16         48         89         165         224         272           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03089200   KRUGERVILLE         DENTON         TRINITY         3         9         12         16         22         33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030221000	FRISCO	DENTON	TRINITY	690	1,648	2,879	3,618	4,281	4,733
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03077600   HEBRON         DENTON         TRINITY         6         18         35         78         130         155           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03070400   HICKORY CREEK         DENTON         TRINITY         8         33         44         58         82         112           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   030706000   HIGHLAND VILLAGE         DENTON         TRINITY         102         208         252         291         329         367           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03078400   JUSTIN         DENTON         TRINITY         16         48         89         165         224         272           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION   03089200   KRUGERVILLE         DENTON         TRINITY         3         9         12         16         22         33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	031023000	HACKBERRY	DENTON	TRINITY	3	10	14	17	19	20
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030706000 HIGHLAND VILLAGE DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 16 48 89 165 224 272 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03089200 KRUGERVILLE DENTON TRINITY 3 9 12 16 22 33	C01CONSBAS		CONSERVATION	030776000	HEBRON	DENTON	TRINITY	6	18	35	78	130	155
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030706000 HIGHLAND VILLAGE DENTON TRINITY 102 208 252 291 329 367 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 16 48 89 165 224 272 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03089200 KRUGERVILLE DENTON TRINITY 3 9 12 16 22 33	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030704000	HICKORY CREEK	DENTON	TRINITY	8	33	44	58	82	112
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03078400 JUSTIN DENTON TRINITY 16 48 89 165 224 272 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03089200 KRUGERVILLE DENTON TRINITY 3 9 12 16 22 33	C01CONSBAS							102		252			
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03089200 KRUGERVILLE DENTON TRINITY 3 9 12 16 22 33	C01CONSBAS												
	C01CONSBAS												
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030785000   KRUM   DENTON   TRINITY   7   40   36   52   71   97	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION			DENTON	TRINITY	7	40	36	52	71	97

WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Basi	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LAKE DALLAS	DENTON	TRINITY	15	82	102	122	140	158
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LEWISVILLE	DENTON	TRINITY	601	1,306	1,737	2.146	2.540	2,979
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LINCOLN PARK	DENTON	TRINITY	2	12	11	14	18	22
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LITTLE ELM	DENTON	TRINITY	190	475	643	725	806	888
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MUSTANG WSC	DENTON	TRINITY	18	72	101	134	170	211
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		NORTHLAKE	DENTON	TRINITY	29	59	128	212	281	332
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		OAK POINT	DENTON	TRINITY	8	50	74	103	137	177
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		PILOT POINT	DENTON	TRINITY	18	94	123	90	103	117
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030472000		DENTON	TRINITY	42	102	120	139	158	177
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	03102100	_	DENTON	TRINITY	18	78	184	340	446	512
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		PROSPER	DENTON	TRINITY	16	110	225	384	473	570
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		ROANOKE	DENTON	TRINITY	34	91	168	261	393	527
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	03053500		DENTON	TRINITY	75	162	220	294	366	419
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		SHADY SHORES	DENTON	TRINITY	4	26	220	294	36	419
				SOUTHLAKE	DENTON	TRINITY	9	32	56		139	161
C01CONSBAS C01CONSBAS	MUNICIPAL CONSERVATION BASIC	CONSERVATION CONSERVATION			DENTON	TRINITY	90	341	407	85 444	482	511
	MUNICIPAL CONSERVATION-BASIC			THE COLONY								
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		TROPHY CLUB	DENTON ELLIS	TRINITY	74	142	182	225	274	328
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BARDWELL		TRINITY	2	7	9	11	13	16
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BRANDON-IRENE WSC	ELLIS	TRINITY	- 47	1	1	1	1	1 100
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BUENA VISTA - BETHEL SUD	ELLIS	TRINITY	17	40	49	62	79	100
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		CEDAR HILL	ELLIS	TRINITY	1	2	2	2	2	2
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COMMUNITY WATER COMPANY	ELLIS	TRINITY	2	8	11	13	16	20
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	ELLIS	TRINITY	19	68	74	81	87	93
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030192000		ELLIS	TRINITY	110	266	384	546	770	1,079
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	03020100		ELLIS	TRINITY	3	12	13	14	15	16
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		FILES VALLEY WSC	ELLIS	TRINITY	1	5	6	7	8	9
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		GLENN HEIGHTS	ELLIS	TRINITY	5	22	30	39	49	60
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		GRAND PRAIRIE	ELLIS	TRINITY	2	20	56	105	172	267
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030299000		ELLIS	TRINITY	4	16	20	23	27	32
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		JOHNSON COUNTY RURAL SUD	ELLIS	TRINITY	-	2	3	3	4	5
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MANSFIELD	ELLIS	TRINITY	4	14	28	49	82	130
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MAYPEARL	ELLIS	TRINITY	4	9	10	11	12	13
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MIDLOTHIAN	ELLIS	TRINITY	89	248	421	577	747	910
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030916000		ELLIS	TRINITY	1	4	4	5	5	5
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MOUNTAIN PEAK WSC	ELLIS	TRINITY	148	443	479	560	705	896
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		OAK LEAF	ELLIS	TRINITY	10	22	29	37	47	58
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030729000	OVILLA	ELLIS	TRINITY	33	80	113	141	157	173
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030731000	PALMER	ELLIS	TRINITY	3	13	14	16	18	20
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030935000	PECAN HILL	ELLIS	TRINITY	5	10	13	17	21	26
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030737000	RED OAK	ELLIS	TRINITY	33	76	104	137	176	224
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034409000	RICE WSC	ELLIS	TRINITY	2	8	11	14	17	21
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034325000	ROCKETT SUD	ELLIS	TRINITY	58	221	258	312	380	463
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034330000	SARDIS-LONE ELM WSC	ELLIS	TRINITY	51	96	111	137	181	242
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WAXAHACHIE	ELLIS	TRINITY	229	580	823	1,155	1,612	2,241
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030757074	COUNTY-OTHER	FANNIN	TRINITY	2	8	9	9	9	9
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034203000	HICKORY CREEK SUD	FANNIN	TRINITY	-	1	1	1	2	2
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030352000	LEONARD	FANNIN	TRINITY	4	15	22	36	57	75
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034341000	SOUTHWEST FANNIN COUNTY SU	FANNIN	TRINITY				-	1	1
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030978000	TRENTON	FANNIN	TRINITY	22	88	148	240	368	503
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	03075708	COUNTY-OTHER	FREESTONE	TRINITY	14	49	53	57	60	63
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		FAIRFIELD	FREESTONE	TRINITY	34	65	81	98	118	139
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034114000	FLO COMMUNITY WSC	FREESTONE	TRINITY	-	2	2	2	2	2
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030596000	TEAGUE	FREESTONE	TRINITY	4	16	20	23	27	32
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030668000	WORTHAM	FREESTONE	TRINITY	7	14	16	18	20	22
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030974000		GRAYSON	TRINITY	6	27	42	53	64	73
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COLLINSVILLE	GRAYSON	TRINITY	11	18	25	32	40	49
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	GRAYSON	TRINITY	5	20	21	21	21	20
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		GUNTER	GRAYSON	TRINITY	6	26	34	42	51	62
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		GUNTER RURAL WSC	GRAYSON	TRINITY	2	9	12	17	29	43
22122110070		JOHOLINAHON	30-170000	100ER ROIGE WOO	0.3110011	LINIMITI			12	- 17	2.9	70

WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Bas	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030286000		GRAYSON	TRINITY	7	45	69	54	65	78
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LUELLA WSC	GRAYSON	TRINITY	7	26	30	33	36	43
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	034336000	SOUTH GRAYSON WSC	GRAYSON	TRINITY	3	14	19	26	34	45
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		TOM BEAN	GRAYSON	TRINITY	23	67	77	84	91	99
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		TWO WAY SUD	GRAYSON	TRINITY	3	14	18	23	28	33
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		VAN ALSTYNE	GRAYSON	TRINITY	31	127	198	254	308	353
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WHITESBORO	GRAYSON	TRINITY	15	28	32	36	41	45
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WOODBINE WSC	GRAYSON	TRINITY	-	1	1	1	1	1
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030028000		HENDERSON	TRINITY	24	152	212	288	388	520
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BETHEL-ASH WSC	HENDERSON	TRINITY	3	14	17	21	25	30
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	HENDERSON	TRINITY	2	8	9	10	11	12
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		EAST CEDAR CREEK FWSD	HENDERSON	TRINITY	74	178	241	313	407	531
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		EUSTACE	HENDERSON	TRINITY	5	11	13	16	19	23
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		GUN BARREL CITY	HENDERSON	TRINITY	37	82	106	135	171	218
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		LOG CABIN	HENDERSON	TRINITY	2	7	8	9	9	10
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030375000		HENDERSON	TRINITY	5	14	15	17	19	21
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		MALAKOFF	HENDERSON	TRINITY	4	14	16	18	21	24
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		PAYNE SPRINGS	HENDERSON	TRINITY	5	10	12	14	16	20
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		SEVEN POINTS	HENDERSON	TRINITY	2	10	12	15	18	22
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030753000		HENDERSON	TRINITY	5	18	22	26	31	38
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		TRINIDAD	HENDERSON	TRINITY	2	7	8	9	10	11
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		VIRGINIA HILL WSC	HENDERSON	TRINITY	5	19	20	21	22	24
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WEST CEDAR CREEK MUD	HENDERSON	TRINITY	24	93	118	145	180	224
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	JACK	TRINITY	5	20	25	30	34	40
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		JACKSBORO	JACK	TRINITY	7	23	26	28	30	33
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		ABLE SPRINGS WSC	KAUFMAN	TRINITY	9	38	52	68	89	116
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COLLEGE MOUND WSC	KAUFMAN	TRINITY	18	75	97	122	153	194
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COMBINE	KAUFMAN	TRINITY		12	15		24	30
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COMBINE WSC	KAUFMAN	TRINITY	3 5	23	32	19 42	57	
C01CONSBAS		CONSERVATION		COUNTY-OTHER	KAUFMAN		24		77	83		75 94
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC MUNICIPAL CONSERVATION-BASIC	CONSERVATION		CRANDALL	KAUFMAN	TRINITY TRINITY	24	71 63	90	123	88 169	228
C01CONSBAS			030207000			TRINITY			350	455	561	674
	MUNICIPAL CONSERVATION BASIC	CONSERVATION		_	KAUFMAN KAUFMAN	TRINITY	67	249			211	242
C01CONSBAS	MUNICIPAL CONSERVATION BASIC	CONSERVATION		FORNEY LAKE WSC	_		75	130	156	183		
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		GASTONIA-SCURRY	KAUFMAN KAUFMAN	TRINITY	16	59	73	93 57	120	155 92
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		HIGH POINT WSC			9	35	45		72	
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		KAUFMAN	KAUFMAN	TRINITY	15	97	82	100	120	155
C01CONSBAS	MUNICIPAL CONSERVATION BASIC	CONSERVATION	030711000		KAUFMAN	TRINITY	6	12	8	8	9	9
C01CONSBAS	MUNICIPAL CONSERVATION BASIC	CONSERVATION	030375000		KAUFMAN	TRINITY	37	110	136	165	203	252
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		OAK GROVE	KAUFMAN	TRINITY	2	/	9	12	15	19
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		SEAGOVILLE	KAUFMAN	TRINITY	- 04	-	-	- 445	- 040	1
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	031065000		KAUFMAN	TRINITY	24	59	96	145	213	304
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030599000		KAUFMAN	TRINITY	100	218	292	361	438	539
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WEST CEDAR CREEK MUD	KAUFMAN	TRINITY	17	78	109	147	195	259
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BLOOMING GROVE	NAVARRO	TRINITY	2	6	6	9	10	12
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BRANDON-IRENE WSC	NAVARRO	TRINITY	1	1	1	2	2	2
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		CHATFIELD WSC	NAVARRO	TRINITY	10	39	51	65	82	104
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COMMUNITY WATER COMPANY	NAVARRO	TRINITY	2	8	10	14	18	23
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		CORSICANA	NAVARRO	TRINITY	46	158	184	341	413	497
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	NAVARRO	TRINITY	3	11	11	12	13	13
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		DAWSON	NAVARRO	TRINITY	2	6	7	13	15	19
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030868000		NAVARRO	TRINITY	1	5	5	6	7	8
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030712000		NAVARRO	TRINITY	3	11	12	14	15	16
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		M E N WSC	NAVARRO	TRINITY	7	22	26	30	34	39
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		NAVARRO MILLS WSC	NAVARRO	TRINITY	6	23	31	41	54	72
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030947000		NAVARRO	TRINITY	2	8	16	21	28	36
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		RICE WSC	NAVARRO	TRINITY	12	49	63	80	101	128
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030674000	_	PARKER	TRINITY	15	37	53	71	91	116
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		ANNETTA	PARKER	TRINITY	3	13	16	19	22	26
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	U30997000	ANNETTA SOUTH	PARKER	TRINITY	1	5	6	7	9	10

SUFCIONSBARS   MANICIPAL CONSERVATION ABASIC   CONSERVATION   30031001 (AZE   PARKER   TRINTY   19   16   22   27   34	WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Bas	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
DICCONSIANS   MAINCPIAL CONSERVATION ABASIC   CONSERVATION   30376718 COUNTY-OTHER   PARKER   TRINITY   29   106   100   93   34													41
CONCORSEAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   CONSE													74
DICCORSBAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   03083000  FIND   PARKER   TRINITY   6   28   38   47   60													2,170
CONCERSARS MUNICIPAL CONSERVATIONE ASSIC CONSERVATION 30075900 FEBRO 2010 - 21											•		75
CONSERVATION ABSIC   CONSERVATION ASSIC   CONSERVATION   GROSSON   PARKER   TENITY   17   42   58   78   100   1   1   1   1   1   1   1   1													22
CONSERVATION ASSIC													125
COTCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03083400   WASTHERFORD   PARKER   TRINITY   14   339   461   587   732   COTCONSBAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   0309400   BLACKLAND VISC   ROCKWALL   TRINITY   20   40   40   50   60   60   60   60   60   60   6													268
COLONBABAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03075000   MULIOW PARK   PARKER   TRINITY   20   49   40   50   60   COLONBABAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   03024000BLACKLANDWISC   ROCKWALL   TRINITY   2   10   13   16   21   COLONBABAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030757194 (COUNTY-OTHER   ROCKWALL   TRINITY   1   4   5   5   5   5   CONSERVATION   030757194 (COUNTY-OTHER   ROCKWALL   TRINITY   1   4   5   5   5   5   CONSERVATION   030757194 (COUNTY-OTHER   ROCKWALL   TRINITY   1   4   5   5   5   CONSERVATION   030757194 (COUNTY-OTHER   ROCKWALL   TRINITY   1   4   5   5   5   CONSERVATION   030757194 (COUNTY-OTHER   ROCKWALL   TRINITY   1   4   5   5   ENDITOR   10   COUNTY   10													906
COTOCNSBAS   MUNICIPAL CONSERVATION BASIC   CONSERVATION   03/40/24/00/ BLACKLAND WSC   ROCKWALL   TRINITY   1   1   1   1   1   1   1   1   1													73
COLOSBASA   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   039757196   COUNTY-OTHER   ROCKWALL   TRINITY   1					-								26
COTCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0.9409800  EAST FORK SUD   ROCKWALL   TRINITY													6
COLONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0341500   FORNEY LAKE WSC   ROCKWALL   TRINITY   59   130   156   183   211   2   2   2   2   2   2   2   2										-	-	-	1
COTOCNSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03472000   HEATH   ROCKWALL   TRINITY   52   131   190   283   358   4   4   5   6   8   6   5   6   6   6   6   6   6   6   6								59	130	156	183	211	242
COTOSTBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03423000   LAVON VISC   ROCKWALL   TRINITY   1   4   5   6   8   1   1   1   1   1   1   2   1   1   1													478
COTCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03/24/2000   MCENDON-CHISHOLM   ROCKWALL   TRINITY   3   34   47   62   80   1   1   1   1   1   1   2   2   2   2													10
COTCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0342000 MCLENDON-CHISHOLM   ROCKWALL   TRINITY   3   11   14   17   22   22   071   072   073   073   074													103
COTCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   O34327000  MT ZION WSC   ROCKWALL   TRINITY   13   33   42   53   64													27
COLONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0.3431300(R-C-H WSC   ROCKWALL   TRINITY   12   26   32   38   46   COLONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0.3052100(ROCKWALL   ROCKWALL   TRINITY   247   737   1.106   1.142   1.643   1.654   1.655													73
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   0.3051300  ROCKWALL   ROCKWALL   TRINITY   247   737   1,106   1,422   1,643   1,8													55
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   20521004 ROVIET   ROCKWALL   TRINITY   48   93   106   120   133   15   130													1,827
COTONBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03068900   WYLE   ROCKWALL   TRINITY   6   19   27   37   50   6.50   COTONBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03002500d ARLBGTON   TARRANT   TRINITY   79   80   124   182   245   32   245   245   32   245   245   245   245   245   245   245   245   245													146
CONSERVATION   GARLINGTON   TARRANT   TRINITY   2,252   4,627   5,714   6,662   7,506   8.6													57
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03004400   BEDFORD   TARRANT   TRINITY   79   80   124   182   245   50   50   50   50   50   50   50													8,507
COTOCNSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03004004   SEPERDO   TARRANT   TRINITY   283   529   632   734   841   92   601   6													309
CONSERVATION_BASIC   CONSERVATION   03005100    ENBROOK   TARRANT   TRINITY   119   287   398   540   722   500100   1501000   1501000   1501000   1501000   1501000   1501000   1501000   150													953
COTICONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   034017000   BETHESDA WSC   TARRANT   TRINITY   21   82   106   132   165   22   24   25   25   25   25   25   2													950
COTICONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030062000   BLUE MOUND   TARRANT   TRINITY   4   15   16   17   18   17   18   18   19   19   19   19   19   19													207
COTICONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030125000   COMMUNITY WSC   TARRANT   TRINITY   243   454   550   639   724   26   COTICONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   030405000   COMMUNITY WSC   TARRANT   TRINITY   6   21   23   24   26   COTICONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03075722   COUNTY-OTHER   TARRANT   TRINITY   41   150   161   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171   182   1   171													19
COLCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03406900   COMMUNITY WSC   TARRANT   TRINITY   6   21   23   24   26   COLCONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03075722   COUNTY-OTHER   TARRANT   TRINITY   41   150   161   171   182   1   171   182   1   171   182   1   171   182   1   171   183   1   1   1   1   1   1   1   1   1													808
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03075722   COUNTY-OTHER   TARRANT   TRINITY   41   150   161   171   182   1   171   182   1   182   1   183   1													28
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03014500  CROWLEY   TARRANT   TRINITY   17   66   90   131   169   17   160   18   160   19   19   19   19   19   19   19   1													192
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03069200Q DALWORTHINGTON GARDENS         TARRANT         TRINITY         21         40         49         57         65           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03018000Q EDGECLIFF         TARRANT         TRINITY         14         28         31         35         38           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03019300Q EULESS         TARRANT         TRINITY         272         539         655         761         862         9           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03019400Q EVERMAN         TARRANT         TRINITY         11         41         47         53         60           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03021300Q FORT WORTH         TARRANT         TRINITY         4,067         7,988         10,869         15,061         21,286         29,7           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03024500Q GRAND PRAIRIE         TARRANT         TRINITY         4,067         7,988         10,869         15,061         21,286         29,7           C01CONSBAS         MUNICIPAL CONSERVA													192
CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03018000   EDGECLIFF   TARRANT   TRINITY   14   28   31   35   38   CO1CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03019300   EULESS   TARRANT   TRINITY   272   539   655   761   862   9   761   762   761   762   762   762   763   763   763   763   764   762   763   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   762   763   764   763   764   763   764   763   764   763   764   763   764   763   764   763   764   76													
C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03019300 EULESS TARRANT TRINITY 272 539 655 761 862 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030194000 EVERMAN TARRANT TRINITY 11 41 47 53 60 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030206000 FOREST HILL TARRANT TRINITY 23 84 98 113 130 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH TARRANT TRINITY 4,067 7,988 10,869 15,061 21,286 29,7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030245000 GRAND PRAIRIE TARRANT TRINITY 187 422 538 645 744 8 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030245000 GRAPEVINE TARRANT TRINITY 375 747 944 1,137 1,328 1,5 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030249000 GRAPEVINE TARRANT TRINITY 375 747 944 1,137 1,328 1,5 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030261000 HALTOM CITY TARRANT TRINITY 216 265 306 340 371 4 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030261000 HALTOM CITY TARRANT TRINITY 13 47 94 105 1117 4 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03029300 HURST TARRANT TRINITY 214 416 494 568 643 7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03029300 HURST TARRANT TRINITY 279 597 685 770 859 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030216000 JOHNSON COUNTY RURAL SUD TARRANT TRINITY 279 597 685 770 859 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030315000 KELLER TARRANT TRINITY 279 597 685 770 859 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030316000 KENNEDALE TARRANT TRINITY 279 597 685 770 859 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030316000 KENNEDALE TARRANT TRINITY 20 49 61 74 90 1 10 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03034000 MANSFIELD TARRANT TRINITY 20 49 61 74 90 1 10 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03034000 MANSFIELD TARRANT TRINITY 20 49 61 74 90 1 10 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03034000 MANSFIELD TARRANT TRINITY 396 975 1,451 2,016 2,510 2,710 C01CONSBAS MUNICIPAL C													73 41
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030194000 EVERMAN TARRANT TRINITY 11 41 47 53 60 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030206000 FOREST HILL TARRANT TRINITY 23 84 98 113 130 1 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030213000 FORT WORTH TARRANT TRINITY 4,067 7,988 10,869 15,061 21,286 29,7 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030245000 GRAND PRAIRIE TARRANT TRINITY 187 422 538 645 744 8 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030245000 GRAPEVINE TARRANT TRINITY 375 747 944 1,137 1,328 1,5 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030249000 GRAPEVINE TARRANT TRINITY 216 265 306 340 371 4 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030261000 HALTOM CITY TARRANT TRINITY 216 265 306 340 371 4 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030293000 HASLET TARRANT TRINITY 13 47 94 105 117 1 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030293000 HURST TARRANT TRINITY 214 416 494 568 643 7 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030293000 HURST TARRANT TRINITY 214 416 494 568 643 7 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030215000 KELLER TARRANT TRINITY 279 597 685 770 859 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030315000 KELLER TARRANT TRINITY 279 597 685 770 859 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030315000 KELLER TARRANT TRINITY 279 597 685 770 859 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030315000 KENNEDALE TARRANT TRINITY 279 597 685 770 859 CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030315000 KENNEDALE TARRANT TRINITY 28 59 75 91 110 1 10 1 10 1 10 1 10 1 10 1 10 1													963
C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03020600(FOREST HILL TARRANT TRINITY 23 84 98 113 130 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021300(FORT WORTH TARRANT TRINITY 4,067 7,988 10,869 15,061 21,286 29,7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03024500(GRAND PRAIRIE TARRANT TRINITY 187 422 538 645 744 82 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03024900(GRAPEVINE TARRANT TRINITY 375 747 944 1,137 1,328 1,5 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03026100(HALTOM CITY TARRANT TRINITY 216 265 306 340 371 4 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03029000(HASLET TARRANT TRINITY 13 47 94 105 117 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03029300(HURST TARRANT TARRANT TRINITY 14 16 494 568 643 7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03029300(HURST TARRANT TARRANT TRINITY 214 416 494 568 643 7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021600(HALTOM CITY TARRANT TRINITY 214 416 494 568 643 7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021600(HALTOM CITY TARRANT TRINITY 214 416 494 568 643 7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03021600(HALTOM CITY TARRANT TRINITY 279 597 685 770 859 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031800(KELLER TARRANT TRINITY 279 597 685 770 859 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031800(KENNEDALE TARRANT TRINITY 57 151 181 209 233 2 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031800(KENNEDALE TARRANT TRINITY 28 59 75 91 110 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031800(MANSFIELD TARRANT TRINITY 20 49 61 74 90 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0303400(MANSFIELD TARRANT TRINITY 20 49 61 74 90 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0303400(MANSFIELD TARRANT TRINITY 396 975 1,451 2,016 2,510 2,7													
C01CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03021300  FORT WORTH   TARRANT   TRINITY   4,067   7,988   10,869   15,061   21,286   29,7   C01CONSBAS   MUNICIPAL CONSERVATION-BASIC   CONSERVATION   03024500  GRAND PRAIRIE   TARRANT   TRINITY   187   422   538   645   744   88   745													65 144
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03024500( GRAND PRAIRIE         TARRANT         TRINITY         187         422         538         645         744         8           CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03024900( GRAPEVINE         TARRANT         TRINITY         375         747         944         1,137         1,328         1,5           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03026100( HALTOM CITY         TARRANT         TRINITY         216         265         306         340         371         4           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03087900( HASLET         TARRANT         TRINITY         13         47         94         105         117         4           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03029300( HURST         TARRANT         TRINITY         13         47         94         1668         643         7           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030241000( JOHNSON COUNTY RURAL SUD         TARRANT         TRINITY         5         18         24         32         41           C01CONSBAS													
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030249000 GRAPEVINE         TARRANT         TRINITY         375         747         944         1,137         1,328         1,5           CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030261000 HALTOM CITY         TARRANT         TRINITY         216         265         306         340         371         4           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030879000 HARSET         TARRANT         TRINITY         13         47         94         105         117         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030293000 HURST         TARRANT         TRINITY         214         416         494         568         643         7           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030216000 JOHNSON COUNTY RURAL SUD         TARRANT         TRINITY         27         597         685         770         859         9           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030315000 KELLER         TARRANT         TRINITY         27         597         685         770         859         9           C01CONSBAS<													
C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03026100( HALTOM CITY TARRANT TRINITY 216 265 306 340 371 4 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030879000 HASLET TARRANT TRINITY 13 47 94 105 117 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03029300( HURST TARRANT TRINITY 214 416 494 568 643 7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0302100 HURST TARRANT TRINITY 214 416 494 568 643 7 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0302100 HURST TARRANT TRINITY 5 18 24 32 41 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031500 KELLER TARRANT TRINITY 279 597 685 770 859 9 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031800 KENNEDALE TARRANT TRINITY 57 151 181 209 233 2 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031800 KENNEDALE TARRANT TRINITY 57 151 181 209 233 2 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03031800 KENNEDALE TARRANT TRINITY 28 59 75 91 110 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 0303400 MANSFIELD TARRANT TRINITY 20 49 61 74 90 1 C01CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 03038400 MANSFIELD TARRANT TRINITY 396 975 1,451 2,016 2,510 2,7													841
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03087900( HASLET         TARRANT         TRINITY         13         47         94         105         117         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030293000 HURST         TARRANT         TRINITY         214         416         494         568         643         7           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030416000 JOHNSON COUNTY RURAL SUD         TARRANT         TRINITY         5         18         24         32         41           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030315000 KELLER         TARRANT         TRINITY         279         597         685         770         859         5           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030318000 KENNEDALE         TARRANT         TRINITY         57         151         181         209         233         2           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030341000 LAKE WORTH         TARRANT         TRINITY         20         49         61         74         90         1         20           C01CONSBAS <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1,518</td></td<>													1,518
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030293000 HURST         TARRANT         TRINITY         214         416         494         568         643         7           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03421600(JOHNSON COUNTY RURAL SUD         TARRANT         TRINITY         5         18         24         32         41           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030315000 KELLER         TARRANT         TRINITY         279         597         685         770         859         9           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030341000 KENDEDALE         TARRANT         TRINITY         57         151         181         209         233         2           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030341000 LAKE WORTH         TARRANT         TRINITY         28         59         75         91         110         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         031036000 LAKESIDE         TARRANT         TRINITY         20         49         61         74         90         1           C01CONSBAS         MUNICIPAL CONSERVAT													401
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03421600 JOHNSON COUNTY RURAL SUD TARRANT         TRINITY         5         18         24         32         41           CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03031500 KELLER         TARRANT         TRINITY         279         597         685         770         859         9           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030318000 KENNEDALE         TARRANT         TRINITY         57         151         181         209         233         2           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030341000 LAKE WORTH         TARRANT         TRINITY         28         59         75         91         110         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         031038000 LAKESIDE         TARRANT         TRINITY         20         49         61         74         90         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030384000 MANSFIELD         TARRANT         TRINITY         396         975         1,451         2,016         2,510         2,71													128
C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030315000 KELLER         TARRANT         TRINITY         279         597         685         770         859         9           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030318000 KENNEDALE         TARRANT         TRINITY         57         151         181         209         233         2           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030341000 LAKE WORTH         TARRANT         TRINITY         28         59         75         91         110         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         031036000 LAKESIDE         TARRANT         TRINITY         20         49         61         74         90         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030384000 MANSFIELD         TARRANT         TRINITY         396         975         1,451         2,016         2,510         2,7													719
C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03031800 KENNEDALE         TARRANT         TRINITY         57         151         181         209         233         2           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03034100 LAKE WORTH         TARRANT         TRINITY         28         59         75         91         110         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03103600 LAKESIDE         TARRANT         TRINITY         20         49         61         74         90         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03038400 MANSFIELD         TARRANT         TRINITY         396         975         1,451         2,016         2,510         2,7													52
CO1CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030341000 LAKE WORTH         TARRANT         TRINITY         28         59         75         91         110         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         031036000 LAKESIDE         TARRANT         TRINITY         20         49         61         74         90         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         030384000 MANSFIELD         TARRANT         TRINITY         396         975         1,451         2,016         2,510         2,7													948
C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03103600 LAKESIDE         TARRANT         TRINITY         20         49         61         74         90         1           C01CONSBAS         MUNICIPAL CONSERVATION-BASIC         CONSERVATION         03038400 MANSFIELD         TARRANT         TRINITY         396         975         1,451         2,016         2,510         2,7													256
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION 030384000 MANSFIELD TARRANT TRINITY 396 975 1,451 2,016 2,510 2,7													125
													110
[CONSERVATION-BASIC   CONSERVATION   03043500   NORTH RICHLAND HILLS   TARRANT   TRINITY   366   758   936   1,102   1,264   1,46   1,4													2,784
													1,424
													52
													22
													79
													55
													428
													38
											,	, -	1,296
													220
CO1CONSBAS MUNICIPAL CONSERVATION-BASIC CONSERVATION   031070000 WESTOVER HILLS TARRANT TRINITY 7 12 14 17 19	C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	031070000	WESTOVER HILLS	TARRANT	TRINITY	7	12	14	17	19	21

WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Basi	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WESTWORTH VILLAGE	TARRANT	TRINITY	4	15	17	19	21	24
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WHITE SETTLEMENT	TARRANT	TRINITY	142	87	103	115	134	154
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	03081000		WISE	TRINITY	2	8	9	11	12	14
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030816000	_	WISE	TRINITY	2	8	10	12	14	17
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BOLIVAR WSC	WISE	TRINITY	3	12	15	23	34	54
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030760000		WISE	TRINITY	3	12	14	15	16	17
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		BRIDGEPORT	WISE	TRINITY	47	99	164	221	288	382
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	03084200		WISE	TRINITY	7	10	104	16	21	27
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COMMUNITY WSC	WISE	TRINITY	- '	10	12	10	1	1
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		COUNTY-OTHER	WISE	TRINITY	57	209	223	236	250	264
					WISE							
C01CONSBAS	MUNICIPAL CONSERVATION BASIC	CONSERVATION		DECATUR		TRINITY	47	102	163	240	349	455
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		FORT WORTH	WISE	TRINITY	13	115	187	273	408	566
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		NEW FAIRVIEW	WISE	TRINITY	4	15	20	26	32	40
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030920000		WISE	TRINITY	2	10	15	22	32	47
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION	030946000		WISE	TRINITY	19	60	99	144	192	254
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		RUNAWAY BAY	WISE	TRINITY	10	21	29	37	47	60
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WALNUT CREEK SUD	WISE	TRINITY	4	15	20	25	30	37
C01CONSBAS	MUNICIPAL CONSERVATION-BASIC	CONSERVATION		WEST WISE RURAL SUD	WISE	TRINITY	6	23	27	32	36	42
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030008000		COLLIN	TRINITY	20	236	517	593	613	621
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030813000	ANNA	COLLIN	TRINITY	1	7	16	24	33	48
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030103000	CELINA	COLLIN	TRINITY	-	2	24	56	93	124
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030151000	DALLAS	COLLIN	TRINITY	5	59	385	526	511	467
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	034086000	DANVILLE WSC	COLLIN	TRINITY	1	6	10	12	14	16
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030772000	FAIRVIEW	COLLIN	TRINITY	2	26	54	83	140	249
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030221000	FRISCO	COLLIN	TRINITY	257	1,277	1,764	1,910	2,038	2,117
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030379000	MCKINNEY	COLLIN	TRINITY	207	978	1,852	2,569	3,098	3,572
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030914000		COLLIN	TRINITY	1	12	38	58	72	89
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		MUENSTER	COOKE	TRINITY	-	1	6	9	10	11
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		MURPHY	COLLIN	TRINITY	2	31	41	42	42	42
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	031045000		COLLIN	TRINITY	-	-	1	1	2	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		NEW HOPE	COLLIN	TRINITY	_	2	2	4	6	12
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		NORTH COLLIN WSC	COLLIN	TRINITY	1	5	8	9	11	12
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030733000		COLLIN	TRINITY	2	24	43	72	107	150
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030472000		COLLIN	TRINITY	76	397	458	473	489	507
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		PROSPER	COLLIN	TRINITY	2	38	63	74	81	85
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		RICHARDSON	COLLIN	TRINITY	8	81	109	108	107	107
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030742000		COLLIN	TRINITY	6	23	30	32		33
					COLLIN		-				33	
C01CONSEXP	MUNICIPAL CONSERVATION EXPANDED	CONSERVATION		WESTON		TRINITY		1	7	21	38	66
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030669000		COLLIN	TRINITY	5	75	150	214	229	251
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		GAINESVILLE	COOKE	TRINITY	3	14	18	19	20	22
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030899000		COOKE	TRINITY	-	1	1	1	1	1
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		ADDISON	DALLAS	TRINITY	-	1	13	13	15	15
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		CARROLLTON	DALLAS	TRINITY	11	76	109	110	111	113
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		CEDAR HILL	DALLAS	TRINITY	65	182	233	263	290	313
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		COPPELL	DALLAS	TRINITY	9	94	190	212	210	210
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030151000		DALLAS	TRINITY	109	1,281	8,220	11,390	12,050	12,584
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		DE SOTO	DALLAS	TRINITY	9	57	101	127	141	151
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		DUNCANVILLE	DALLAS	TRINITY	5	29	50	55	55	57
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		FARMERS BRANCH	DALLAS	TRINITY	5	61	254	352	375	397
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		GARLAND	DALLAS	TRINITY	352	971	1,529	1,774	1,852	1,871
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030245000	GRAND PRAIRIE	DALLAS	TRINITY	17	161	337	423	511	604
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030294000	HUTCHINS	DALLAS	TRINITY		5	26	48	68	83
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030298000	IRVING	DALLAS	TRINITY	38	368	1,116	1,427	1,482	1,527
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030401000	MESQUITE	DALLAS	TRINITY	229	634	1,113	1,382	1,436	1,455
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030729000		DALLAS	TRINITY	-	-	1	1	2	3
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		RICHARDSON	DALLAS	TRINITY	30	195	262	260	258	258
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		ROWLETT	DALLAS	TRINITY	10	61	76	83	89	94
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030742000		DALLAS	TRINITY	20	57	73	84	93	101
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		SUNNYVALE	DALLAS	TRINITY	2	13	17	21	26	27
SSISSINGEAL	INC. IOI AL CONCERVATION EXPANDED	100HOLKVAHON	300, 4000		D. (LL) (O	LINNALLI		13	· ''	۷.	20	

WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Bas	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030669000		DALLAS	TRINITY	-	1	3	3	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030677000		DENTON	TRINITY	-		2	2	2	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		ARGYLE WSC	DENTON	TRINITY	1	5	5	5	5	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030758000		DENTON	TRINITY	- '	-	5	2	1	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		BARTONVILLE	DENTON	TRINITY	_	_	1	2	2	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		BARTONVILLE WSC	DENTON	TRINITY	-	_	2	2	3	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		CARROLLTON	DENTON	TRINITY	15	108	162	167	169	173
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		COPPELL	DENTON	TRINITY	-	100	3	4	5	5
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		CORINTH	DENTON	TRINITY	4	24	51	69	75	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		CROSS ROADS	DENTON	TRINITY	-	3	4	7	11	15
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030151000		DENTON	TRINITY	2	27	168	225	216	193
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030151000		DENTON	TRINITY	14	278	1,151	1.673	2.047	2,719
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		DENTON COUNTY FWSD	DENTON	TRINITY	1	10	1,131	1,073	24	30
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		FLOWER MOUND	DENTON	TRINITY	143	442	616	754	821	867
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		FORT WORTH	DENTON	TRINITY	143	24	121	218	311	409
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030213000		DENTON	TRINITY	134	485	995	1,167	1,283	1,326
					DENTON	TRINITY						
C01CONSEXP	MUNICIPAL CONSERVATION EXPANDED	CONSERVATION		HIGHLAND VILLAGE		TRINITY	3	45	85	92 44	93 54	94 60
	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030784000		DENTON		4 400	16	26			
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		LEWISVILLE	DENTON	TRINITY	169	563	1,027	1,253	1,335	1,416
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		LITTLE ELM	DENTON	TRINITY	4	64	124	128	128	128
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		OAK POINT	DENTON	TRINITY	-	-	-	-	1	2
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030472000	_	DENTON	TRINITY	2	12	13	13	13	13
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		PONDER	DENTON	TRINITY		6	15	28	35	37
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		PROSPER	DENTON	TRINITY	1	11	23	35	39	43
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		ROANOKE	DENTON	TRINITY	1	11	34	55	75	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030535000		DENTON	TRINITY	-	-	2	2	3	3
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		TROPHY CLUB	DENTON	TRINITY	2	13	41	58	63	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		BUENA VISTA - BETHEL SUD	ELLIS	TRINITY	-	2	3	3	5	5
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030192000		ELLIS	TRINITY	28	91	183	262	337	436
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		GRAND PRAIRIE	ELLIS	TRINITY	-	2	9	16	24	35
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		MANSFIELD	ELLIS	TRINITY	1	5	12	21	31	46
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		MAYPEARL	ELLIS	TRINITY	-	1	1	1	1	1
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		MIDLOTHIAN	ELLIS	TRINITY	21	94	268	390	463	521
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		MOUNTAIN PEAK WSC	ELLIS	TRINITY	1	4	8	11	13	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030729000		ELLIS	TRINITY	1	6	6	8	9	9
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030737000		ELLIS	TRINITY	1	6	9	10	11	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		SARDIS-LONE ELM WSC	ELLIS	TRINITY	1	6	7	8	10	13
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		WAXAHACHIE	ELLIS	TRINITY	3	25	135	219	279	357
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030978000	TRENTON	FANNIN	TRINITY	-	1	2	4	5	7
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		FAIRFIELD	FREESTONE	TRINITY	1	3	3	3	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030974000	TIOGA	GRAYSON	TRINITY	1	8	14	16	18	19
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030286000	HOWE	GRAYSON	TRINITY	-	1	5	1	-	-
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030976000	TOM BEAN	GRAYSON	TRINITY	-	1	1	2	2	2
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		VAN ALSTYNE	GRAYSON	TRINITY	1	7	27	40	47	49
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030650000	WHITESBORO	GRAYSON	TRINITY	-	2	5	6	6	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030028000	ATHENS	HENDERSON	TRINITY	-	38	131	175	213	258
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	034094000	EAST CEDAR CREEK FWSD	HENDERSON	TRINITY	1	9	13	17	20	24
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030864000	EUSTACE	HENDERSON	TRINITY	1	2	4	4	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030934000	PAYNE SPRINGS	HENDERSON	TRINITY	-	1	1	1	1	1
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030767000	CRANDALL	KAUFMAN	TRINITY	6	19	25	31	39	49
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030207000	FORNEY	KAUFMAN	TRINITY	2	17	38	52	59	65
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	034115000	FORNEY LAKE WSC	KAUFMAN	TRINITY	2	13	15	16	17	18
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030313000	KAUFMAN	KAUFMAN	TRINITY	-	16	2	5	5	6
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030375000	MABANK	KAUFMAN	TRINITY	-	2	3	3	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	031065000		KAUFMAN	TRINITY	1	5	8	10	13	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030599000		KAUFMAN	TRINITY	28	78	142	181	195	214
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		BLOOMING GROVE	NAVARRO	TRINITY	-	-	-	-	1	1
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		CORSICANA	NAVARRO	TRINITY	-	-	-	62	147	158
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	030855000		NAVARRO	TRINITY	· .	-	-	-	1	1
- 3 . 0 0 . 10 E / 1		1 - 3	, , , , , , , , , , , , , , , , , , , ,	1=:		1	1		l	l	<u> </u>	

WMS Project ID	Project Name	SRC Name	WUG ID	WUG Name	WUG County Name	WUG Bas	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03067400	(ALEDO	PARKER	TRINITY	-	4	6	8	10	11
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03021300	DEFORT WORTH	PARKER	TRINITY	1	41	214	308	344	377
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03057400	SPRINGTOWN	PARKER	TRINITY	4	10	16	20	23	27
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		WEATHERFORD	PARKER	TRINITY	3	38	140	194	221	251
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03075600	WILLOW PARK	PARKER	TRINITY	-	2		-	-	-
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03411500	FORNEY LAKE WSC	ROCKWALL	TRINITY	2	13	15	16	17	18
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03070200	HEATH	ROCKWALL	TRINITY	-	-	1	2	2	2
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03427000	(MT ZION WSC	ROCKWALL	TRINITY	-	3	4	4	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03431300	(R-C-H WSC	ROCKWALL	TRINITY	-	2	2	3	3	3
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03051300	ROCKWALL	ROCKWALL	TRINITY	9	75	109	127	133	134
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03052100	ROWLETT	ROCKWALL	TRINITY	1	7	8	8	8	8
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03066900	WYLIE	ROCKWALL	TRINITY	-	2	3	4	6	6
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03002500	ARLINGTON	TARRANT	TRINITY	53	369	1,083	1,401	1,429	1,448
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03003100		TARRANT	TRINITY	2	1	-	-	-	-
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03004400	BEDFORD	TARRANT	TRINITY	11	57	72	73	74	75
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03005100	BENBROOK	TARRANT	TRINITY	5	47	86	107	131	157
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03012500	COLLEYVILLE	TARRANT	TRINITY	65	142	148	150	150	151
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03069200	DALWORTHINGTON GARDENS	TARRANT	TRINITY	1	5	7	7	7	7
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03018000	EDGECLIFF	TARRANT	TRINITY	-	2	3	4	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03019300	EULESS	TARRANT	TRINITY	82	236	323	346	349	351
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		FORT WORTH	TARRANT	TRINITY	75	551	2,182	3,328	4,101	5,170
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		GRAND PRAIRIE	TARRANT	TRINITY	4	44	88	99	106	111
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		GRAPEVINE	TARRANT	TRINITY	112	343	520	598	622	640
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		HALTOM CITY	TARRANT	TRINITY	57	3	16	30	30	30
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03029300		TARRANT	TRINITY	63	161	235	268	271	273
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03031500		TARRANT	TRINITY	9	52	85	98	98	98
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		(KENNEDALE	TARRANT	TRINITY	1	6	18	26	28	29
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		LAKE WORTH	TARRANT	TRINITY	1	4	11	17	18	19
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		(LAKESIDE	TARRANT	TRINITY	3	11	16	18	20	24
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		MANSFIELD	TARRANT	TRINITY	111	381	634	847	961	986
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		NORTH RICHLAND HILLS	TARRANT	TRINITY	109	312	407	440	455	466
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		(PANTEGO	TARRANT	TRINITY	1	4	5	5	5	5
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		(RICHLAND HILLS	TARRANT	TRINITY	-	-	2	3	_	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		SAGINAW	TARRANT	TRINITY	2	15	24	28	30	30
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		SOUTHLAKE	TARRANT	TRINITY	-	-	4	4	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		WESTOVER HILLS	TARRANT	TRINITY	2	4	4	4	4	4
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		WHITE SETTLEMENT	TARRANT	TRINITY	2	1	-	-	-	
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		BRIDGEPORT	WISE	TRINITY	1	7	23	36	42	51
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION		DECATUR	WISE	TRINITY	1	10	35	55	71	85
C01CONSEXP	MUNICIPAL CONSERVATION-EXPANDED	CONSERVATION	03021300	(FORT WORTH	WISE	TRINITY		8	38	60	79	98
Total							52,095	110,803	154,475	196,101	238,662	286,681



### Appendix D

BD07 - Region C Current Reuse Supplies in Trinity Basin

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WUG ID	WUG Name	WUG County Name	WUG Basin Name	SRC Name	SRC County Name	SRC Basin Name	WS2010	WS2020	WS2030	WS2040	WS2050	WS2060
030008000	ALLEN	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	2,232	2,109	2,122	1,963	1,826	1,680
034024000	BLACKLAND WSC	ROCKWALL	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	32	36	37	39	42	46
034024000	BLACKLAND WSC	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	13	15	16	16	18	20
034041000	CADDO BASIN SUD	COLLIN	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	39	38	40	43	46	49
034041000	CADDO BASIN SUD	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	18	17	19	20	21	23
034045000	CASH SUD	ROCKWALL	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	4	4	3	9	10	11
034065000	COLLEGE MOUND WSC	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	46	69	90	97	108	122
030757043	COUNTY-OTHER	COLLIN	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	2	1	1	1	1	1
030757043	COUNTY-OTHER	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	37	26	20	16	13	11
030757061	COUNTY-OTHER	DENTON	TRINITY	DIRECT REUSE	DENTON	TRINITY	-	-	-	-	-	-
030757129	COUNTY-OTHER	KAUFMAN	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	31	24	21	18	16	15
030757129	COUNTY-OTHER	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	72	55	47	41	37	34
030757199	COUNTY-OTHER	ROCKWALL	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	17	14	12	10	9	9
030757199	COUNTY-OTHER	ROCKWALL	TRINITY	DIRECT REUSE	ROCKWALL	TRINITY	-	-	-	-	-	-
030757199	COUNTY-OTHER	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	10	8	7	6	5	5
030757220	COUNTY-OTHER	TARRANT	TRINITY	DIRECT REUSE	TARRANT	TRINITY	-	-	-	-	-	-
030767000	CRANDALL	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	69	73	79	86	97	109
034083000	CULLEOKA WSC	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	86	99	102	105	111	116
034086000	DANVILLE WSC	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	80	84	89	94	101	107
030159000	DENTON	DENTON	TRINITY	INDIRECT REUSE	DENTON	TRINITY	1,682	2,130	2,915	3,475	4,372	5,382
034096000	EAST FORK SUD	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	52	52	52	54	56	59
034096000	EAST FORK SUD	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	11	9	8	7	6	6
034096000	EAST FORK SUD	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	1	1	1	-	-	-
030772000	FAIRVIEW	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	162	168	185	244	371	593
030199000	FARMERSVILLE	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	53	76	91	120	160	199
030207000	FORNEY	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	183	295	312	320	325	326
034115000	FORNEY LAKE WSC	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	210	173	154	140	133	126
034115000	FORNEY LAKE WSC	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	165	173	154	140	133	126
030221000	FRISCO	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	2,824	3,507	3,239	3,067	2,980	2,819
030221000	FRISCO	DENTON	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	1,479	1,330	1,827	1,874	1,875	1,765
030230000	GARLAND	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	4,048	3,345	3,024	2,788	2,639	2,408
034137000	GASTONIA-SCURRY	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	79	88	86	91	100	112
	GRAPEVINE	TARRANT	TRINITY	INDIRECT REUSE	TARRANT	TRINITY	1,824	2,033	2,180	2,278	2,352	2,412
031023000	HACKBERRY	DENTON	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	13	15	17	17	16	15
030702000	HEATH	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	166	188	201	216	238	262
034205000	HIGH POINT WSC	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	36	44	46	49	54	61
034205000	HIGH POINT WSC	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	3	5	5	5	6	7
031004043	IRRIGATION	COLLIN	TRINITY	DIRECT REUSE	COLLIN	TRINITY	2,227	2,227	2,227	2,227	2,227	2,227
031004049	IRRIGATION	COOKE	TRINITY	DIRECT REUSE	COOKE	TRINITY	9	9	9	9	9	9
031004057	IRRIGATION	DALLAS	TRINITY	DIRECT REUSE	DALLAS	TRINITY	561	561	561	561	561	561
031004057	IRRIGATION	DALLAS	TRINITY	INDIRECT REUSE	DALLAS	TRINITY	8,000	8,000	8,000	8,000	8,000	8,000
031004061	IRRIGATION	DENTON	TRINITY	DIRECT REUSE	DENTON	TRINITY	2,099	2,195	2,276	2,348	2,428	2,509
031004129	IRRIGATION	KAUFMAN	TRINITY	DIRECT REUSE	KAUFMAN	TRINITY	576	758	927	1,116	1,359	1,659
031004184	IRRIGATION	PARKER	BRAZOS	DIRECT REUSE	PARKER	TRINITY	202	202	202	202	202	202
031004184	IRRIGATION	PARKER	TRINITY	DIRECT REUSE	PARKER	TRINITY	11	11	11	11	11	11
031004199	IRRIGATION	ROCKWALL	TRINITY	DIRECT REUSE	ROCKWALL	TRINITY	784	784	784	784	784	784
031004220	IRRIGATION	TARRANT	TRINITY	DIRECT REUSE	TARRANT	TRINITY	1,708	1,986	2,381	2,827	3,300	3,715
031004220	IRRIGATION	TARRANT	TRINITY	INDIRECT REUSE	TARRANT	TRINITY	1,493	1,663	1,784	1,864	1,924	1,974
031031000	JOSEPHINE	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	10	21	18	15	14	13
030313000	KAUFMAN	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	109	126	126	126	127	140
034230000	LAVON WSC	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	35	43	53	93	134	166
034230000	LAVON WSC	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	31	43	47	52	59	66
030790000	LITTLE ELM	DENTON	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	448	556	571	505	461	420
031041000	LOWRY CROSSING	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	30	29	29	30	31	107
030718000	LUCAS	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	97	112	115	130	169	210
031001043	MANUFACTURING	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	1,247	1,119	1,087	1,073	1,069	1,063
031001057	MANUFACTURING	DALLAS	TRINITY	DIRECT REUSE	DALLAS	TRINITY	20	20	20	20	20	20
031001057	MANUFACTURING	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	611	526	491	467	450	413
031001129	MANUFACTURING	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	47	39	36	34	33	32
031001199	MANUFACTURING	ROCKWALL	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	1	1	1	1		1
	MANUFACTURING	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	1	1	1	1		1
		•	•			•				•	•	

WUG ID	WUG Name	WUG County Name	WUG Basin Name	SRC Name	SRC County Name	SRC Basin Name	WS2010	WS2020	WS2030	WS2040	WS2050	WS2060
030379000	MCKINNEY	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	2,331	2,946	3,679	4,403	4,787	5,014
031042000	MCLENDON-CHISHOLM	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	18	18	18	19	20	22
030914000	MELISSA	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	209	309	345	377	430	492
030401000	MESQUITE	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	2,705	2,510	2,439	2,305	2,148	1,973
034257000	MILLIGAN WSC	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	19	14	12	10	9	8
031003249	MINING	WISE	TRINITY	DIRECT REUSE	WISE	TRINITY	15,930	14,074	12,152	10,643	9,236	8,061
034270000	MT ZION WSC	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	42	47	45	43	43	40
030724000	MURPHY	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	147	425	363	319	291	266
031045000	NEVADA	COLLIN	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	17	26	26	46	71	161
031045000	NEVADA	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	7	13	13	23	35	81
030923000	NEW HOPE	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	25	28	40	52	72	146
034278000	NORTH COLLIN WSC	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	83	82	83	85	89	93
030928000	OAK GROVE	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	12	11	11	11	12	13
030733000	PARKER	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	181	299	374	537	716	894
030472000	PLANO	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	6,687	5,338	4,722	4,316	4,059	3,832
030472000	PLANO	DENTON	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	146	158	136	121	110	101
030487000	PRINCETON	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	63	115	175	256	389	532
030799000	PROSPER	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	105	393	501	505	494	481
030799000	PROSPER	DENTON	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	26	116	180	241	242	240
034313000	R-C-H WSC	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	39	32	29	28	27	27
030498000	RICHARDSON	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	653	775	663	580	525	479
030498000	RICHARDSON	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	2,401	1,869	1,599	1,399	1,266	1,155
030513000	ROCKWALL	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	795	1,096	1,204	1,195	1,119	1,021
030521000	ROWLETT	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	1,010	1,000	974	947	924	891
030521000	ROWLETT	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	149	122	103	91	83	75
030522000	ROYSE CITY	COLLIN	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	30	77	105	140	170	174
030522000	ROYSE CITY	ROCKWALL	SABINE	INDIRECT REUSE LAVON	COLLIN	TRINITY	228	320	269	293	315	292
030742000	SACHSE	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	68	86	85	78	73	68
030742000	SACHSE	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	217	209	208	206	207	205
031072000	SAINT PAUL	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	18	34	58	82	89	85
031002043	STEAM ELECTRIC POWER	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	75	46	46	48	52	57
031002057	STEAM ELECTRIC POWER	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	10	6	6	6	7	8
031002061	STEAM ELECTRIC POWER	DENTON	TRINITY	DIRECT REUSE	DENTON	TRINITY	831	1,840	2,288	2,849	3,363	3,363
031002070	STEAM ELECTRIC POWER	ELLIS	TRINITY	DIRECT REUSE	ELLIS	TRINITY	2,098	2,615	3,302	3,363	3,363	3,363
031002129	STEAM ELECTRIC POWER	KAUFMAN	TRINITY	DIRECT REUSE	KAUFMAN	TRINITY	3,000	3,000	3,000	3,000	3,000	3,000
030749000	SUNNYVALE	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	167	180	197	212	229	214
031065000	TALTY	KAUFMAN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	79	97	114	132	155	181
030752000	THE COLONY	DENTON	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	49	48	46	41	38	35
030633000	WAXAHACHIE	ELLIS	TRINITY	INDIRECT REUSE	ELLIS	TRINITY	1,886	2,166	2,445	2,724	3,004	3,283
030669000	WYLIE	COLLIN	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	624	758	807	994	949	946
030669000	WYLIE	DALLAS	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	11	13	14	15	15	16
030669000	WYLIE	ROCKWALL	TRINITY	INDIRECT REUSE LAVON	COLLIN	TRINITY	13	16	18	20	23	22
Total							79,340	80,663	81,853	82,700	83,900	84,749

Projected: 99,979 105,810 104,800 104,175 103,697 103,429



### Appendix E

BD07 - Region C WMS Reuse Supplies in Trinity Basin

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WMS Project														
ID C38.2	Project Name CONVEYANCE AND TREATMENT PROJECT (2)	SRC Name INDIRECT REUSE	SRC County Name	SRC Basin Name TRINITY	WUG ID 030044000	WUG Name BEDFORD	TARRANT	WUG Basin Name TRINITY	<b>SS2010</b> 1,600	<b>SS2020</b> 2,968	2.936	2,677	<b>SS2050</b> 2,465	<b>SS2060</b> 2,433
C38.2	CONVEYANCE AND TREATMENT PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030196000	FAIRFIELD	FREESTONE	TRINITY	1,000	2,900	506	534	423	456
C37.2	CONVEYANCE PROJECT (2)	DIRECT REUSE	DALLAS	TRINITY	031004057	IRRIGATION	DALLAS	TRINITY	2,262	2,179	1,843	1,740	1,576	1,243
C37.2	CONVEYANCE PROJECT (2)	DIRECT REUSE	DALLAS	TRINITY	031003057	MINING	DALLAS	TRINITY	248	278	285	298	296	258
C37.2	CONVEYANCE PROJECT (2)	DIRECT REUSE	DALLAS	TRINITY	031002057	STEAM ELECTRIC POWER	DALLAS	TRINITY	1,410	2,459	2,900	3,457	3,768	4,546
C37.2 C37.2	CONVEYANCE PROJECT (2) CONVEYANCE PROJECT (2)	DIRECT REUSE	DALLAS WISE	TRINITY TRINITY	031002129	STEAM ELECTRIC POWER STEAM ELECTRIC POWER	KAUFMAN WISE	TRINITY	5,979	12,600	12,600	12,600 3.500	12,600 4,000	12,600 4.000
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	034040000	BUENA VISTA - BETHEL SUD	ELLIS	TRINITY	79	118	187	171	167	199
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	030098000	CARROLLTON	DALLAS	TRINITY	647	1,421	2,459	2,360	2,209	2,037
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	030098000	CARROLLTON	DENTON	TRINITY	903	2,033	3,641	3,563	3,368	3,106
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	034066000	COMBINE WSC	DALLAS	TRINITY	9	29	57	61	65	69
C37.2 C37.2	CONVEYANCE PROJECT (2) CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	034066000	COMBINE WSC	KAUFMAN DENTON	TRINITY	19 1,248	62 3,395	138 6,675	166 6,932	194 6,796	6,559
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	034269000	MOUNTAIN PEAK WSC	ELLIS	TRINITY	1,240	- 3,333	46	66	128	259
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	030729000	OVILLA	DALLAS	TRINITY	4	14	35	49	67	90
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	030729000	OVILLA	ELLIS	TRINITY	58	171	368	395	368	337
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	030731000	PALMER	ELLIS	TRINITY	7	9	13	10	9	9
C37.2 C37.2	CONVEYANCE PROJECT (2)  CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	030737000 034325000	RED OAK ROCKETT SUD	ELLIS DALLAS	TRINITY	35 40	44 114	45 149	124 131	133 125	351 149
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	034325000	ROCKETT SUD	ELLIS	TRINITY	193	369	745	584	1,042	1,342
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	034330000	SARDIS-LONE ELM WSC	ELLIS	TRINITY	137	202	299	343	395	547
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	030752000	THE COLONY	DENTON	TRINITY	279	784	1,491	1,463	1,391	1,281
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	DALLAS	TRINITY	030633000	WAXAHACHIE	ELLIS	TRINITY	262	467	1,404	2,295	1,481	1,775
C37.2 C37.2	CONVEYANCE PROJECT (2) CONVEYANCE PROJECT (2)	INDIRECT REUSE	HENDERSON HENDERSON	TRINITY TRINITY	030814000	ANNETTA ANNETTA SOLITH	PARKER PARKER	TRINITY	-	113 28	93 24	101 27	80 21	87 24
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	HENDERSON	TRINITY	030757184	COUNTY-OTHER	PARKER	TRINITY	-	1,284	672	509	286	219
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	HENDERSON	TRINITY	031002081	STEAM ELECTRIC POWER	FREESTONE	TRINITY	-	- 1,201	-	1,090	718	655
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	HENDERSON	TRINITY	030756000	WILLOW PARK	PARKER	TRINITY	-	135	191	251	224	266
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030829000	BLUE RIDGE	COLLIN	TRINITY	190	291	411	574	640	680
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	030767000	CRANDALL HACKBERRY	KAUFMAN DENTON	TRINITY	315	304 64	307 67	317	348 58	415 57
C37.2 C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031023000 031004129	IRRIGATION	KAUFMAN	TRINITY	61 2,666	2.671	1,588	62 1,351	58 887	849
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030799000	PROSPER	COLLIN	TRINITY	449	1,624	1,949	1,870	1,779	1,827
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030799000	PROSPER	DENTON	TRINITY	150	481	700	892	871	913
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031002043	STEAM ELECTRIC POWER	COLLIN	TRINITY	442	291	281	279	288	315
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031002129	STEAM ELECTRIC POWER	KAUFMAN	TRINITY	-	1,214	1,443	1,843	1,613	1,929
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030674000	ALEDO	PARKER	TRINITY	183	350	317	363	302	340
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	034017000	BETHESDA WSC BURLESON	TARRANT	TRINITY	246 132	538 292	615 340	647 359	683 385	779 442
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030087000	CROWLEY	TARRANT	TRINITY	199	432	536	657	720	759
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030245000	GRAND PRAIRIE	DALLAS	TRINITY	1,095	2,037	1,221	1,088	732	679
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030245000	GRAND PRAIRIE	ELLIS	TRINITY	4	26	33	42	35	40
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030245000	GRAND PRAIRIE	TARRANT	TRINITY	289	554	318	255	151	124
C37.2 C37.2	CONVEYANCE PROJECT (2) CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY	030315000	KELLER KENNEDALE	TARRANT	TRINITY	1,509 670	3,206 921	3,090 667	2,751 656	2,483 463	2,398 447
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030318000 031036000	LAKESIDE	TARRANT	TRINITY	223	286	219	238	194	218
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	031003000	MINING	TARRANT	TRINITY	124	175	140	154	123	113
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	031047000	NEW FAIRVIEW	WISE	TRINITY	121	197	166	189	158	179
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030920000	NEWARK	WISE	TRINITY	77	164	146	201	193	262
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030435000	NORTH RICHLAND HILLS	TARRANT	TRINITY	618	1,228	1,269	1,183	1,096	1,081
C37.2 C37.2	CONVEYANCE PROJECT (2)  CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	031020000	NORTHLAKE PANTEGO	DENTON TARRANT	TRINITY TRINITY	86 223	185 201	343 116	457 97	496 62	516 57
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY	030454000	PELICAN BAY	TARRANT	TRINITY	95	142	121	120	91	98
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030800000	ROANOKE	DENTON	TRINITY	184	543	830	1,019	1,231	1,436
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030570000	SOUTHLAKE	DENTON	TRINITY	500	500	500	500	500	500
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030570000	SOUTHLAKE	TARRANT	TRINITY	1,450	3,775	4,061	3,831	3,620	3,531
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO	TRINITY	030574000	SPRINGTOWN	PARKER	TRINITY	44	125	164	187	204	233
C37.2	CONVEYANCE PROJECT (2) CONVEYANCE PROJECT (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	030806000	TROPHY CLUB WATAUGA	DENTON TARRANT	TRINITY	354 567	732 1,046	786 1,028	769 929	758 851	793 837
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030632000	IRRIGATION	COLLIN	TRINITY	368	1,046	1,026	125	95	90
C37.2	CONVEYANCE PROJECT (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	031003043	MINING	COLLIN	TRINITY	149	80	59	51	39	36
C55	DIRECT REUSE	DIRECT REUSE	TARRANT	TRINITY	031004220	IRRIGATION	TARRANT	TRINITY	-	4,600	7,170	8,290	8,290	8,290
C55	DIRECT REUSE	DIRECT REUSE	TARRANT	TRINITY	031002220	STEAM ELECTRIC POWER	TARRANT	TRINITY	500	500	1,100	2,000	2,600	2,600
C55	DIRECT REUSE	DIRECT REUSE	WISE	TRINITY	031003249	MINING	WISE	TRINITY	14,337	14,133	22,428	19,652	24,648	28,520
C51 C56	ENNIS REUSE INDIRECT REUSE	INDIRECT REUSE	ELLIS DALLAS	TRINITY	030192000	IRVING	ELLIS DALLAS	TRINITY	-	70 16,815	135 25,811	1,037 25,294	2,269 24,809	3,696 24,407
C56	INDIRECT REUSE	INDIRECT REUSE	PARKER	TRINITY	030298000	STEAM ELECTRIC POWER	PARKER	TRINITY	H -	5.000	5.000	5.000	5,000	5.000
C50.2	PURCHASE FROM WATER PROVIDER (2)	DIRECT REUSE	DALLAS	TRINITY	030151000	DALLAS	COLLIN	TRINITY	851	2,512	4,422	4,361	4,128	3,876
C50.2	PURCHASE FROM WATER PROVIDER (2)	DIRECT REUSE	DALLAS	TRINITY	030151000	DALLAS	DALLAS	TRINITY	13,532	7,630	-	-	-	-
C50.2	PURCHASE FROM WATER PROVIDER (2)	DIRECT REUSE	DALLAS	TRINITY	030151000	DALLAS	DENTON	TRINITY	396	1,125	1,928	1,868	1,748	1,602
C50.2	PURCHASE FROM WATER PROVIDER (2)	DIRECT REUSE	DALLAS	TRINITY	031004057	IRRIGATION	DALLAS	TRINITY	264	520	616	748	802	632
C50.2	PURCHASE FROM WATER PROVIDER (2)	DIRECT REUSE	DALLAS	TRINITY	031001057	MANUFACTURING	DALLAS	TRINITY	1,501	3,675	6,894	7,114	7,001	6,430
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	DIRECT REUSE INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	031001061	MANUFACTURING ADDISON	DENTON DALLAS	TRINITY	24 530	1.333	177 2,489	205	2.430	2.275
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030677000	ARGYLE	DENTON	TRINITY	740	1,835	1,618	1,312	1,458	1,687
			DALLAS	TRINITY	030033000	BALCH SPRINGS	DALLAS	TRINITY	197	427	746	712	676	645
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAG				DENTON		131		740	/ 12		

WMS Project														
ID	Project Name	SRC Name	SRC County Name		WUG ID	WUG Name		WUG Basin Name	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	034028000	BOLIVAR WSC BOLIVAR WSC	DENTON DENTON	TRINITY TRINITY	250	465	1.159	1.626	2.588	1,000
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030102000	CEDAR HILL	DALLAS	TRINITY	462	1,288	2,617	2,808	2,300	2,821
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030103000	CELINA	COLLIN	TRINITY	250	2,525	4,428	6,216	13,087	12,733
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030121000	COCKRELL HILL	DALLAS	TRINITY	39	91	155	146	136	124
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030766000	COMBINE	DALLAS	TRINITY	6	17	31	32	33	35
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030766000	COMBINE	KAUFMAN	TRINITY	11	30	61	69	76	83
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	030133000 030133000	COPPELL	DALLAS DENTON	TRINITY TRINITY	601	1,316 19	2,247 40	2,148 45	1,992 46	1,819 46
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030849000	COPPELL COPPER CANYON	DENTON	TRINITY	129	254	267	291	341	387
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030757057	COUNTY-OTHER	DALLAS	TRINITY	123	3	5	4	4	4
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030757061	COUNTY-OTHER	DENTON	TRINITY	1,681	3,436	2,801	2,339	747	617
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	031011000	CROSS ROADS	DENTON	TRINITY	187	616	701	859	1,336	1,755
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030151000	DALLAS	DALLAS	TRINITY	3,123	46,635	94,838	97,927	97,668	101,489
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	034085000	DALLAS COUNTY WCID #6 DE SOTO	DALLAS	TRINITY	35 638	102	3.340	217 3.581	235	252
C50.2	PURCHASE FROM WATER PROVIDER (2)  PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030161000	DOUBLE OAK	DENTON	TRINITY	216	1,702 333	3,340	3,581	3,727	3,504
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030171000	DUNCANVILLE	DALLAS	TRINITY	475	1,089	1,882	1,818	1,720	1,600
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030198000	FARMERS BRANCH	DALLAS	TRINITY	672	1,602	2,937	2,978	2,913	2,783
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030201000	FERRIS	ELLIS	TRINITY	-	23	18	12	9	9
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030204000	FLOWER MOUND	DENTON	TRINITY	738	1,631	2,811	2,699	2,515	2,296
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030204000	FLOWER MOUND	DENTON	TRINITY	1,232	4,844	4,575	4,253	2,903	2,941
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030697000	GLENN HEIGHTS	DALLAS	TRINITY TRINITY	44 16	121	245	268	278	280
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	030697000 030245000	GLENN HEIGHTS GRAND PRAIRIE	ELLIS DALLAS	TRINITY	1,196	50 3,046	109 6,215	128 7,186	143 7,999	156 8,579
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030245000	GRAND PRAIRIE	FLUS	TRINITY	1,196	3,046	168	275	382	499
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030245000	GRAND PRAIRIE	TARRANT	TRINITY	316	829	1,618	1,685	1,653	1,569
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	034146000	GUNTER RURAL WSC	COLLIN	TRINITY	287	358	325	317	400	478
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	034146000	GUNTER RURAL WSC	GRAYSON	TRINITY	51	72	74	82	141	206
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030776000	HEBRON	DENTON	TRINITY	11	35	100	190	266	262
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030776000	HEBRON	DENTON	TRINITY	17	35	38	55	82	93
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY TRINITY	030704000	HICKORY CREEK	DENTON	TRINITY TRINITY	164 72	375 314	324 862	292	390 1.535	533 1,489
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	DALLAS DALLAS	TRINITY	030294000 030298000	HUTCHINS IRVING	DALLAS DALLAS	TRINITY	880	297	511	1,236 491	553	1,489
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	034216000	JOHNSON COUNTY RURAL SUD	ELLIS	TRINITY	38	49	72	59	50	52
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	034216000	JOHNSON COUNTY RURAL SUD	TARRANT	TRINITY	381	471	688	553	473	491
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030892000	KRUGERVILLE	DENTON	TRINITY	42	71	59	60	81	125
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030337000	LAKE DALLAS	DENTON	TRINITY	381	672	512	401	420	458
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY TRINITY	030345000	LANCASTER MANUFACTURING	DALLAS	TRINITY TRINITY	428 24	1,505 80	3,211 94	3,687 76	3,903	3,830 94
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	031001061	MUSTANG WSC	DENTON DENTON	TRINITY	236	628	609	76 570	699	94 876
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	031020000	NORTHLAKE	DENTON	TRINITY	327	242	309	332	396	421
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030929000	OAK LEAF	ELLIS	TRINITY	20	52	102	110	116	119
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030930000	OAK POINT	DENTON	TRINITY	143	374	353	326	397	495
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030935000	PECAN HILL	ELLIS	TRINITY	7	20	37	40	39	47
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030465000	PILOT POINT	DENTON	TRINITY	850	956	796	676	750	814
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	031021000	PONDER PROSPER	DENTON	TRINITY	549	1,215	1,700	2,013	2,324	1,969
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS DALLAS	TRINITY TRINITY	030799000	PROSPER PROSPER	COLLIN DENTON	TRINITY	498 125	1,133 336	1,087 390	889 425	942 461	991 496
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030521000	ROWLETT	DALLAS	TRINITY	2.620	3,251	390	423	401	490
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030547000	SEAGOVILLE	DALLAS	TRINITY	148	364	692	727	729	717
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030803000	SHADY SHORES	DENTON	TRINITY	95	198	169	148	173	210
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030981000	VALLEY VIEW	COOKE	TRINITY	135	212	230	227	382	472
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DALLAS	TRINITY	030657000	WILMER	DALLAS	TRINITY	105	254	464	484	573	854
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	034007000	ARGYLE WSC	DENTON	TRINITY	185	277	205	161	173	192
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON DENTON	TRINITY TRINITY	030758000 034010000	AUBREY BARTONVILLE WSC	DENTON DENTON	TRINITY TRINITY	145 20	390 70	484 74	449 72	526 89	512 108
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	030691000	CORINTH	DENTON	TRINITY	1.419	2.397	1,881	1,542	1,639	1,806
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	030159000	DENTON	DENTON	TRINITY	156	1,634	4,713	6,162	8,253	12,097
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	034089000	DENTON COUNTY FWSD	DENTON	TRINITY	374	811	745	685	826	1,027
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	030249000	GRAPEVINE	TARRANT	TRINITY	120	264	456	438	408	373
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	030706000	HIGHLAND VILLAGE	DENTON	TRINITY	802	1,366	1,068	849	908	1,004
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	030784000	JUSTIN	DENTON	TRINITY	69	307	407	530	708	815
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	030785000 031018000	KRUM LINCOLN PARK	DENTON DENTON	TRINITY	76 34	225 81	220 76	236	266 89	316 111
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	DENTON	TRINITY	030535000	SANGER	DENTON	TRINITY	1,580	1,544	1,299	70 1,180	1,375	1,445
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030025000	ARLINGTON	TARRANT	TRINITY	- 1,550	23,390	15.850	12,470	2,630	100
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034040000	BUENA VISTA - BETHEL SUD	ELLIS	TRINITY	-	34	75	116	97	133
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034068000	COMMUNITY WATER COMPANY	ELLIS	TRINITY	-	23	67	112	162	188
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030757070	COUNTY-OTHER	ELLIS	TRINITY	-	161	333	466	336	394
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030757107	COUNTY-OTHER	HENDERSON	TRINITY	-	38	65	56	51	49
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030757129	COUNTY-OTHER	KAUFMAN	SABINE	-	12	20	18	16	15
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON HENDERSON	TRINITY TRINITY	030757129	COUNTY-OTHER  EAST CEDAR CREEK FWSD	KAUFMAN HENDERSON	TRINITY TRINITY	-	52	90	79	70 820	67 2.481
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030192000	ENNIS	ELLIS	TRINITY		H -	761	1,893	1,313	1,578
	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030201000	FERRIS	ELLIS	TRINITY		- 4	701	1,093	1,313	9
C50.2														

WMS Project														
ID	Project Name	SRC Name			WUG ID	WUG Name		WUG Basin Name	SS2010	SS2020	SS2030	SS2040		SS2060
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON HENDERSON	TRINITY TRINITY	030213000	FORT WORTH GRAND PRAIRIE	TARRANT DALLAS	TRINITY TRINITY	-	43,924	46,457 764	47,896 762	55,858 884	55,031 889
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030245000	GRAND PRAIRIE	ELLIS	TRINITY	-	- 3	28	38	52	64
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030245000	GRAND PRAIRIE	TARRANT	TRINITY	-	-	199	179	183	163
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030699000	GUN BARREL CITY	HENDERSON	TRINITY	-	-	-	-	791	1,236
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	031004129	IRRIGATION	KAUFMAN	TRINITY	-	37	64	57	51	49
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030299000	ITALY	ELLIS	TRINITY	-	18	45	76	67	94
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030711000	KEMP	KAUFMAN	TRINITY	-	53	89	77	69	66
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030375000	MABANK	HENDERSON	TRINITY	-	23	42	40	38	40
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	HENDERSON HENDERSON	TRINITY TRINITY	030375000 030383000	MABANK MALAKOFF	KAUFMAN HENDERSON	TRINITY TRINITY	-	184 69	371 127	385 120	406 118	465 129
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	031001070	MANUFACTURING	ELLIS	TRINITY	-	69	906	1.266	938	934
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	031001070	MANUFACTURING	WISF	TRINITY	-	-	-	- 1,200	175	1,208
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030911000	MAYPEARL	ELLIS	TRINITY	-	10	18	25	18	21
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030405000	MIDLOTHIAN	ELLIS	TRINITY	-	551	1,390	2,267	3,397	3,987
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	031003107	MINING	HENDERSON	TRINITY	-	46	79	70	63	61
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034269000	MOUNTAIN PEAK WSC	ELLIS	TRINITY	-	-	101	138	96	104
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030731000	PALMER	ELLIS	TRINITY	-	6	14	19	15	19
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	HENDERSON HENDERSON	TRINITY TRINITY	030935000 030737000	PECAN HILL RED OAK	ELLIS FLLIS	TRINITY	-	5 50	11 136	17 240	14 176	18 208
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034409000	RICE WSC	ELLIS	TRINITY	-	14	34	49	62	71
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034325000	ROCKETT SUD	DALLAS	TRINITY	-	22	42	41	41	45
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034325000	ROCKETT SUD	ELLIS	TRINITY	-	270	493	497	507	561
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034330000	SARDIS-LONE ELM WSC	ELLIS	TRINITY	-	52	89	86	93	107
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030959000	SEVEN POINTS	HENDERSON	TRINITY	-	150	212	213	251	273
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	031002070	STEAM ELECTRIC POWER	ELLIS	TRINITY	-	49	110	133	150	160
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	030753000	TOOL	HENDERSON	TRINITY	-	332	452	437	504	534
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON HENDERSON	TRINITY TRINITY	030633000	WAXAHACHIE WEST CEDAR CREEK MUD	ELLIS HENDERSON	TRINITY TRINITY	-	65 1.325	133	187 2.017	1,046	2,362
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	HENDERSON	TRINITY	034381000 034381000	WEST CEDAR CREEK MUD	KAUFMAN	TRINITY	-	1,325	1,835	2,017	2,439	3,104
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030813000	ANNA	COLLIN	TRINITY	1.045	1,100	1,468	1.717	1,747	2,584
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034024000	BLACKLAND WSC	ROCKWALL	SABINE	146	148	144	144	153	177
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034024000	BLACKLAND WSC	ROCKWALL	TRINITY	62	64	62	62	65	75
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034041000	CADDO BASIN SUD	COLLIN	SABINE	171	174	213	198	217	441
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034041000	CADDO BASIN SUD	COLLIN	TRINITY	150	180	250	300	400	400
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030103000	CELINA	COLLIN	TRINITY	243	650	1,008	1,538	1,931	2,388
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY	034065000	COLLEGE MOUND WSC	KAUFMAN	TRINITY SABINE	210 10	286	351	359	389	463
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030757043	COUNTY-OTHER COUNTY-OTHER	COLLIN	TRINITY	166	15 97	15 68	20 43	- 51	- 44
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030757043	COUNTY-OTHER	GRAYSON	RED	45	48	35	31	23	22
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030757091	COUNTY-OTHER	GRAYSON	TRINITY	6	7	5	4	3	3
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030757129	COUNTY-OTHER	KAUFMAN	SABINE	86	125	88	100	35	34
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030757129	COUNTY-OTHER	KAUFMAN	TRINITY	384	508	175	119	158	152
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030757199	COUNTY-OTHER	ROCKWALL	TRINITY	166	224	94	79	70	67
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034083000	CULLEOKA WSC	COLLIN	TRINITY	391	408	397	387	399	440
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY	034096000	EAST FORK SUD	COLLIN	TRINITY TRINITY	239	214 36	204	200	204	223
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034096000 034096000	EAST FORK SUD EAST FORK SUD	DALLAS ROCKWALL	TRINITY	50	36	29	25	23	23
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034096000	FARMERSVILLE	COLLIN	TRINITY	244	313	353	442	576	756
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030207000	FORNEY	KAUFMAN	TRINITY	834	1,221	1,215	1,185	1,172	1,239
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034115000	FORNEY LAKE WSC	KAUFMAN	TRINITY	960	717	598	520	478	479
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034115000	FORNEY LAKE WSC	ROCKWALL	TRINITY	752	717	598	520	478	479
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030221000	FRISCO	COLLIN	TRINITY	319	8,936	9,885	9,815	9,510	6,871
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030221000	FRISCO	DENTON	TRINITY	5,401	5,666	7,833	7,216	7,242	5,554
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030230000	GARLAND	DALLAS	TRINITY	5,000	3,000	2,000	1,000	1,000	1,000
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	034137000	GASTONIA-SCURRY HEATH	KAUFMAN ROCKWALL	TRINITY TRINITY	362 756	363 775	335 782	335 798	362 858	426 995
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034205000	HIGH POINT WSC	KAUFMAN	TRINITY	235	211	199	200	207	242
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034205000	HIGH POINT WSC	ROCKWALL	TRINITY	23	22	22	22	23	27
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030286000	HOWE	GRAYSON	RED	33	41	38	36	28	27
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030286000	HOWE	GRAYSON	TRINITY	154	282	344	378	325	344
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031004199	IRRIGATION	ROCKWALL	TRINITY	413	414	246	209	137	132
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031031000	JOSEPHINE	COLLIN	TRINITY	45	86	68	56	51	49
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030313000	KAUFMAN	KAUFMAN	TRINITY	498	520	492	466	458	532
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034230000	LAVON WSC	COLLIN	TRINITY	158	177	207	345	481	632
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	034230000	LAVON WSC LEONARD	ROCKWALL FANNIN	TRINITY SULPHUR	144	177	184	193	212	249
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030352000	LEONARD	FANNIN	TRINITY	-	65	119	208	240	290
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030790000	LITTLE ELM	DENTON	TRINITY	2.044	2,298	2,221	1.869	1.659	1.598
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031041000	LOWRY CROSSING	COLLIN	TRINITY	134	119	113	110	112	408
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030718000	LUCAS	COLLIN	TRINITY	445	464	447	482	608	797
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031001043	MANUFACTURING	COLLIN	TRINITY	1,461	1,187	1,085	1,019	989	1,037
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031001091	MANUFACTURING	GRAYSON	RED	72	42	34	32	25	26
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031001129	MANUFACTURING	KAUFMAN	TRINITY	216	314	140	155	121	131
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031001199	MANUFACTURING	ROCKWALL	SABINE	3	4	6	7	9	10
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031001199	MANUFACTURING	ROCKWALL	TRINITY	7	12	13	12	18	18
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031042000	MCLENDON-CHISHOLM	RUCKWALL	TRINITY	84	74	71	70	72	82

WMS Project														
ID OF 0 0	Project Name	SRC Name	SRC County Name KAUFMAN		WUG ID	WUG Name	WUG County Name					SS2040		SS2060
C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY TRINITY	030914000	MELISSA MESQUITE	COLLIN DALLAS	TRINITY TRINITY	954 6.272	1,276 8.126	1,340 8.185	1,393 7.628	1,551 7,215	1,871 7,025
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034257000	MILLIGAN WSC	COLLIN	TRINITY	87	60	46	38	33	32
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034270000	MT ZION WSC	ROCKWALL	TRINITY	191	194	173	159	154	152
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030724000	MURPHY	COLLIN	TRINITY	669	1,758	1,412	1,181	1,049	1,010
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	031045000 031045000	NEVADA NEVADA	COLLIN	SABINE TRINITY	76 30	107 53	103	172 86	254	612 306
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030923000	NEW HOPE	COLLIN	TRINITY	116	116	51 154	194	127 258	553
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034278000	NORTH COLLIN WSC	COLLIN	TRINITY	377	338	323	313	321	352
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030928000	OAK GROVE	KAUFMAN	TRINITY	53	45	42	42	43	50
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030733000	PARKER	COLLIN	TRINITY	825	1,235	1,454	1,988	2,580	3,399
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	030472000	PLANO PLANO	COLLIN DENTON	TRINITY TRINITY	11,691 583	13,652 671	14,322 585	13,699 466	12,848 431	10,744 363
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030472000	PRINCETON	COLLIN	TRINITY	287	475	680	946	1,401	2,023
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034313000	R-C-H WSC	ROCKWALL	TRINITY	176	133	115	102	97	103
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030498000	RICHARDSON	COLLIN	TRINITY	-	2,329	2,197	1,882	218	211
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030498000	RICHARDSON	DALLAS	TRINITY	6,763	5,617	5,299	4,538	5,709	5,526
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030513000	ROCKWALL	ROCKWALL	TRINITY	3,627	4,531	4,683	4,422	4,030	3,880
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	030521000 030521000	ROWLETT ROWLETT	DALLAS ROCKWALL	TRINITY TRINITY	1,992 678	882 503	3,790 402	3,501 337	3,328 298	3,388 286
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030521000	ROYSE CITY	COLLIN	SABINE	135	319	410	517	612	663
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030522000	ROYSE CITY	ROCKWALL	SABINE	1.043	1,323	1,046	1,085	1,133	1,110
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030742000	SACHSE	COLLIN	TRINITY	313	354	329	290	102	89
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030742000	SACHSE	DALLAS	TRINITY	991	863	809	761	908	949
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031072000	SAINT PAUL	COLLIN	TRINITY	83	142	227	304	320	325
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	034336000	SOUTH GRAYSON WSC	COLLIN	TRINITY	28	25	16	12	8	6
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	034336000	SOUTH GRAYSON WSC STEAM ELECTRIC POWER	GRAYSON DALLAS	TRINITY TRINITY	23 46	30 25	24 24	23 24	18 25	19 29
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030749000	SUNNYVALE	DALLAS	TRINITY	762	743	766	785	824	812
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	031065000	TALTY	KAUFMAN	TRINITY	372	408	452	494	564	693
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030599000	TERRELL	KAUFMAN	TRINITY	2,274	1,825	1,633	1,465	1,391	1,474
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030752000	THE COLONY	DENTON	TRINITY	223	200	177	153	138	134
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030619000	VAN ALSTYNE	GRAYSON	TRINITY	509	1,076	1,160	1,172	974	954
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN KAUFMAN	TRINITY TRINITY	031069000	WESTON WYLIE	COLLIN	TRINITY TRINITY	192 2.849	340 3.133	582 3.137	1,462	1,950 3,419	3,153
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030669000	WYLIE	DALLAS	TRINITY	2,849	3,133	3,137	3,676 75	3,419	3,598 84
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	KAUFMAN	TRINITY	030669000	WYLIE	ROCKWALL	TRINITY	49	54	55	54	55	59
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030025000	ARLINGTON	TARRANT	TRINITY	11,721	1,095	9,370	10,707	18,153	16,713
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030031000	AZLE	PARKER	TRINITY	79	190	218	244	219	239
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030031000	AZLE	TARRANT	TRINITY	360	955	1,253	1,620	1,591	1,785
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	030051000	BENBROOK BLUE MOUND	TARRANT TARRANT	TRINITY TRINITY	649 19	1,402	1,655	1,814	1,988	2,317
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	NAVARRO	TRINITY	030062000 030125000	COLLEYVILLE	TARRANT	TRINITY	1,335	2,635	32 2,635	2,398	2,170	2,102
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	034069000	COMMUNITY WSC	TARRANT	TRINITY	70	125	119	105	95	94
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	034069000	COMMUNITY WSC	WISE	TRINITY	3	5	5	4	4	4
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030757061	COUNTY-OTHER	DENTON	TRINITY	119	267	307	319	325	352
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030757081	COUNTY-OTHER	FREESTONE	TRINITY	60	110	188	165	146	141
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	030757175	COUNTY-OTHER COUNTY-OTHER	NAVARRO	TRINITY TRINITY	21	36	61	53	47	45
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030757249	COUNTY-OTHER COUNTY-OTHER	TARRANT WISE	TRINITY	573 149	1,007 1,126	960 692	843 692	754 433	728 423
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030692000	DALWORTHINGTON GARDENS	TARRANT	TRINITY	96	1,120	189	174	159	156
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030180000	EDGECLIFF	TARRANT	TRINITY	76	134	127	112	100	96
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030193000	EULESS	TARRANT	TRINITY	1,444	2,910	2,933	2,676	2,431	2,365
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030194000	EVERMAN	TARRANT	TRINITY	66	132	142	138	138	136
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030206000	FOREST HILL	TARRANT	TRINITY	294	561	573	547	532	539
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	030213000 030213000	FORT WORTH	DENTON PARKER	TRINITY TRINITY	155 371	1,898	2,686	3,377	4,656	4,942
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030213000	FORT WORTH	TARRANT	TRINITY	20,978					700
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030213000	FORT WORTH	WISE	TRINITY	62	633	857	835	1,076	1,086
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030245000	GRAND PRAIRIE	DALLAS	TRINITY	1,029	2,002	1,225	1,226	796	802
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030245000	GRAND PRAIRIE	ELLIS	TRINITY	3	22	26	38	28	35
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030245000	GRAND PRAIRIE	TARRANT TARRANT	TRINITY TRINITY	271	545	319	287	164	147
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	030249000	GRAPEVINE HALTOM CITY	TARRANT	TRINITY	1,343 1,175	3,002 2.320	3,198 2.335	3,055 2,122	2,886 1,925	2,891 1,872
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030261000	HASLET	TARRANT	TRINITY	43	194	361	323	291	281
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030883000	HUDSON OAKS	PARKER	TRINITY	90	254	271	320	283	326
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030293000	HURST	TARRANT	TRINITY	1,061	2,004	1,988	1,802	1,647	1,611
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031004220	IRRIGATION	TARRANT	TRINITY	628	1,022	947	851	753	725
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031004249	IRRIGATION	WISE	TRINITY	21	37	35	32	29	28
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030341000	LAKE WORTH	TARRANT	TRINITY	97	197	217	218	220	225
C50.2 C50.2	PURCHASE FROM WATER PROVIDER (2) PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO NAVARRO	TRINITY TRINITY	030384000	MANSFIELD MANSFIELD	ELLIS TARRANT	TRINITY TRINITY	51 5,475	163 11,526	213 11,103	302 12,338	329 10,071	418 8,984
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031001175	MANUFACTURING	NAVARRO	TRINITY	5,475	11,526	367	358	346	359
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031001175	MANUFACTURING	PARKER	TRINITY	194	291	254	251	195	203
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031001220	MANUFACTURING	TARRANT	TRINITY	2,842	6,053	6,775	6,942	6,964	7,298
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030405000	MIDLOTHIAN	ELLIS	TRINITY	550	-	-	-	-	-
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT RELISE	NAVARRO	TRINITY	031003249	MINING	WISE	TRINITY	4 779	4.711	3.145	2.786	2,025	1.893

WMS Project														
ID	Project Name	SRC Name	SRC County Name	SRC Basin Name	WUG ID	WUG Name	WUG County Name	WUG Basin Name	SS2010	SS2020	SS2030	SS2040	SS2050	SS2060
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030435000	NORTH RICHLAND HILLS	TARRANT	TRINITY	1,057	2,106	2,234	2,093	2,037	2,020
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030739000	RENO	PARKER	TRINITY	15	27	26	23	22	24
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030499000	RICHLAND HILLS	TARRANT	TRINITY	193	363	369	350	327	321
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030505000	RIVER OAKS	TARRANT	TRINITY	166	292	274	240	215	208
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030527000	SAGINAW	TARRANT	TRINITY	475	1,048	1,131	1,093	1,035	1,038
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030539000	SANSOM PARK VILLAGE	TARRANT	TRINITY	30	55	54	47	43	43
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031002070	STEAM ELECTRIC POWER	ELLIS	TRINITY	20	-	-	-	-	-
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031002081	STEAM ELECTRIC POWER	FREESTONE	TRINITY	1,606	1,991	3,438	3,059	2,743	2,634
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031002220	STEAM ELECTRIC POWER	TARRANT	TRINITY	647	957	1,132	1,244	1,371	1,616
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031002249	STEAM ELECTRIC POWER	WISE	TRINITY	1,098	2,592	2,167	2,653	2,094	1,975
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030634000	WEATHERFORD	PARKER	BRAZOS	68	127	122	133	117	129
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030634000	WEATHERFORD	PARKER	TRINITY	1,323	2,556	2,400	2,543	2,210	2,396
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	031070000	WESTOVER HILLS	TARRANT	TRINITY	46	81	78	70	62	60
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030644000	WESTWORTH VILLAGE	TARRANT	TRINITY	40	85	85	79	77	82
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE	NAVARRO	TRINITY	030651000	WHITE SETTLEMENT	TARRANT	TRINITY	280	538	570	516	512	545
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030008000	ALLEN	COLLIN	TRINITY	5,968	7,366	7,568	6,916	6,359	6,170
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	034086000	DANVILLE WSC	COLLIN	TRINITY	364	349	346	348	363	405
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030772000	FAIRVIEW	COLLIN	TRINITY	741	693	720	904	1,338	2,253
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030230000	GARLAND	DALLAS	TRINITY	13,387	14,119	11,779	10,065	9,766	9,465
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	031001057	MANUFACTURING	DALLAS	TRINITY	2,792	2,173	1,910	1,727	1,620	1,569
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030379000	MCKINNEY	COLLIN	TRINITY	1,423	7,827	11,623	14,942	16,030	13,533
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030401000	MESQUITE	DALLAS	TRINITY	5,000	3,000	2,000	1,000	1,000	1,000
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030498000	RICHARDSON	COLLIN	TRINITY	-	476	-	-	-	-
C50.2	PURCHASE FROM WATER PROVIDER (2)	INDIRECT REUSE LAVON	COLLIN	TRINITY	030498000	RICHARDSON	DALLAS	TRINITY	1,310	1,149	-	-	-	-
C21.7	TRA 10-MILE CREEK REUSE PROJECT	DIRECT REUSE	DALLAS	TRINITY	031004057	IRRIGATION	DALLAS	TRINITY	125	125	125	125	125	125
C21.7	TRA 10-MILE CREEK REUSE PROJECT	DIRECT REUSE	ELLIS	TRINITY	031004070	IRRIGATION	ELLIS	TRINITY	125	125	125	125	125	125
C21.1	TRA DALLAS COUNTY REUSE	INDIRECT REUSE	DALLAS	TRINITY	031002057	STEAM ELECTRIC POWER	DALLAS	TRINITY	-	3,000	3,000	3,000	3,000	3,000
C21.5	TRA DENTON CREEK WWTP REUSE	DIRECT REUSE	DENTON	TRINITY	031004061	IRRIGATION	DENTON	TRINITY	-	3,750	3,750	3,750	3,750	3,750
C21.5	TRA DENTON CREEK WWTP REUSE	DIRECT REUSE	TARRANT	TRINITY	031004220	IRRIGATION	TARRANT	TRINITY	3,750	3,750	3,750	3,750	3,750	3,750
C21.2	TRA ELLIS COUNTY REUSE	DIRECT REUSE	ELLIS	TRINITY	031002070	STEAM ELECTRIC POWER	ELLIS	TRINITY	10,000	10,000	10,000	10,000	20,000	20,000
C21.2	TRA ELLIS COUNTY REUSE	INDIRECT REUSE	ELLIS	TRINITY	031002070	STEAM ELECTRIC POWER	ELLIS	TRINITY	10,000	10,000	20,000	20,000	20,000	20,000
C21.3	TRA FREESTONE COUNTY REUSE	INDIRECT REUSE	FREESTONE	TRINITY	031002081	STEAM ELECTRIC POWER	FREESTONE	TRINITY	-	-	10,000	10,000	20,000	20,000
C21.4	TRA KAUFMAN COUNTY REUSE	INDIRECT REUSE	KAUFMAN	TRINITY	031002129	STEAM ELECTRIC POWER	KAUFMAN	TRINITY	-	7,500	15,000	15,000	15,000	15,000
C21	TRA LAS COLINAS REUSE	INDIRECT REUSE	DALLAS	TRINITY	031004057	IRRIGATION	DALLAS	TRINITY	-	7,000	7,000	7,000	7,000	7,000
C53.1-R	WATER TREATMENT PLANT-EXPANSION- REUSE SO	INDIRECT REUSE	DALLAS	TRINITY	030355000	LEWISVILLE	DENTON	TRINITY	-	-	-	-	-	-
C53.1-R	WATER TREATMENT PLANT-EXPANSION- REUSE SO	INDIRECT REUSE	HENDERSON	TRINITY	030025000	ARLINGTON	TARRANT	TRINITY	-	-	-	-	-	-
C53.1-R	WATER TREATMENT PLANT-EXPANSION- REUSE SO	INDIRECT REUSE	HENDERSON	TRINITY	030375000	MABANK	KAUFMAN	TRINITY	-	-	-	-	-	-
C53.1-R	WATER TREATMENT PLANT-EXPANSION- REUSE SO	INDIRECT REUSE	NAVARRO	TRINITY	030025000	ARLINGTON	TARRANT	TRINITY	-	-	-	-	-	-
C53.1-R	WATER TREATMENT PLANT-EXPANSION- REUSE SO		NAVARRO	TRINITY	030031000	AZLE	TARRANT	TRINITY	-	-	-	- 1	-	-
C53.1-R	WATER TREATMENT PLANT-EXPANSION- REUSE SO		NAVARRO	TRINITY	034069000	COMMUNITY WSC	TARRANT	TRINITY	-	-	-	-	-	-
C53-R	WATER TREATMENT PLANT-NEW- REUSE SOURCES	INDIRECT REUSE	NAVARRO	TRINITY	030031000	AZLE	TARRANT	TRINITY	-	-	-	-	-	-
C21.8	WAXAHACHIE/TRA INDIRECT REUSE	INDIRECT REUSE	ELLIS	TRINITY	031001070	MANUFACTURING	ELLIS	TRINITY	31	87	282	455	605	685
C21.8	WAXAHACHIE/TRA INDIRECT REUSE	INDIRECT REUSE	ELLIS	TRINITY	030633000	WAXAHACHIE	ELLIS	TRINITY	3.081	2.876	2,402	1.950	1.520	1.161
Total									281,678	521,697	656,615	670,297	708,562	723,159