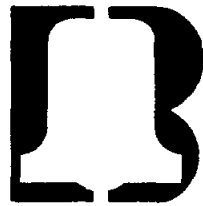


**BELL COUNTY, TEXAS**



*REPORT ON*

***WATER SUPPLY REQUIREMENTS***

PREPARED BY

**ROMING-PARKER ASSOCIATES, L.L.P.  
CONSULTING ENGINEERS  
TEMPLE, TEXAS**

NOVEMBER, 1996

**PREPARED FOR**

**COMMISSIONERS COURT**

**OF**

**BELL COUNTY**

**John Garth, County Judge**

**Commissioners**

<b>Richard Cortese</b>	<b>Precinct 1</b>
<b>Tim Brown</b>	<b>Precinct 2</b>
<b>John Thomas, Jr.</b>	<b>Precinct 3</b>
<b>Royce Matkin</b>	<b>Precinct 4</b>

# RP

## ROMING - PARKER ASSOCIATES, L.L.P.

CONSULTING ENGINEERS

3513 Southwest H.K. Dodgen Loop, Suite 103  
Temple, Texas 76502

(817) 773-3731

Fax (817) 773-6667

W. CLAY ROMING, P.E.  
WM. MACK PARKER, P.E.  
RICK N. KASBERG, P.E.

JAMES E. LAUGHLIN, P.E.  
Staff Consultant

November 14, 1996

Honorable Commissioners Court of Bell County  
Bell County Courthouse  
Belton, Texas 76513

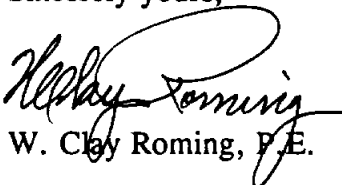
Gentlemen:

The attached report contains the results of studies of the future water needs until the year 2050 for Bell County and adjacent areas which are supplied by water resources in Bell County.

As shown in this report and in the SUMMARY, the supply sources are adequate to meet the projected needs.

The preparation of this report was aided by the efforts of many people who are active in supply, treatment and distribution of water. My thanks to each of them and to Judge John Garth and the Commissioners for their assistance.

Sincerely yours,

  
W. Clay Roming, P.E.



WCR/sch  
96-102-10

## ABBREVIATIONS, DEFINITIONS AND CONVERSION FACTORS

mgd	million gallons per day
gpcd	gallons per capita per day
ac.ft.	acre foot
CTCOG	Central Texas Council of Governments
TWDB	Texas Water Development Board
TNRCC	Texas Natural Resource Conservation Commission
1985 Report	Report to Bell County on Water Supply Requirements
Supplier	A system which primarily supplies water to another system which sells water to individually metered customers.
User	A system which primarily sells water to individually metered customers.
Maximum Legal Withdrawal Rate	The maximum use allowed by TNRCC permit.

one ac.ft. = 325,851 gallons

one ac.ft. per year = 893 gallons per day

1,000 ac.ft. per year = 0.893 mgd

one mgd = 1,120 ac.ft. per year

## TABLE OF CONTENTS

### SUMMARY

#### FUTURE WATER NEEDS

TABLE NO. 1	POPULATION PROJECTIONS
TABLE NO. 2	WATER USE PROJECTIONS
TABLE NO. 3	USE OUTSIDE BELL COUNTY
TABLE NO. 4	WATER SUPPLIED THROUGH BELL COUNTY W.C.I.D. NO. 1
TABLE NO. 5	WATER SUPPLIED THROUGH BLUEBONNET WATER SUPPLY CORPORATION
TABLE NO. 6	WATER SUPPLIED THROUGH CENTRAL TEXAS WATER SUPPLY CORPORATION
TABLE NO. 7	WATER SUPPLIED THROUGH CITY OF TEMPLE
TABLE NO. 8	WATER TO BE SUPPLIED FROM LAKE BELTON AND LEON RIVER
TABLE NO. 9	WATER TO BE SUPPLIED FROM LAKE STILLHOUSE HOLLOW
TABLE NO. 10	TOTAL WATER REQUIRED IN 2050 TO BE SUPPLIED BY LAKES BELTON AND STILLHOUSE HOLLOW AND LEON RIVER
TABLE NO. 11	TOTAL WATER REQUIRED IN 2050 TO BE SUPPLIED BY LAKES BELTON AND STILLHOUSE HOLLOW AND LEON RIVER

## SUMMARY

The population of Bell County is projected to increase from a total of 192,000 in 1990 to 401,960 in 2050.

These 401,960 people will use an estimated 85,859 acre feet of water in the year 2050. In addition, areas in surrounding counties will require 82,138 acre feet per year from Lakes Belton and Stillhouse Hollow. These needs and sources are summarized as follows:

<u>Area</u>	<u>Total Need</u>	<u>Lake Belton</u>	<u>Lake Stillhouse Hollow</u>	<u>Leon River</u>	<u>Groundwater</u>
Bell County	85,859	67,116	7,541	9,375	1,827
Adjacent Areas	82,138	29,107	52,749	0	282
Total	167,997	96,223	60,290	9,375	2,109

The needs summarized above for Lake Belton and Lake Stillhouse Hollow are compared with their supply capability as follows:

	<u>Maximum Withdrawal Rate</u>	<u>Total Needs</u>
Lake Belton	100,232	96,223
Lake Stillhouse Hollow	67,678	60,290

The maximum withdrawal rate shown for each reservoir is the maximum use allowed by TNRCC permit. The permitted withdrawal rate use is very near the volume of the safe yield of the reservoirs under extreme drought conditions.

Ample amounts of water are available from the Leon River and groundwater sources to meet needs associated with these supply sources.

The results of these studies indicate that sufficient amounts of water are available to meet the needs of Bell County and adjacent areas until the year 2050 and beyond. Allocation of the available water to meet the identified needs by user will require continuous monitoring and adjustment as growth patterns evolve and change. This is evident by careful review of Tables No. 8 and 9 which indicate that the combination of committed water and requested or required water can be in certain circumstances exceed the maximum withdrawal rate of the reservoirs. As shown above and in Table No. 11, the identified total needs do not exceed the available supply.

## FUTURE WATER NEEDS

The prediction of future water needs shown in this report has been based on consumption records of suppliers and users as well as individual studies of various system demands, records of the Brazos River Authority and projections of population and water use by the Texas Water Development Board.

Generally the approach used to predict future needs within Bell County and some adjacent areas was to develop reasonable growth and consumption rates for individual users and be reasonably sure that the predicted needs for 2050 would not be less than the amount which would be actually required.

For most areas outside of Bell County, the predicted needs were those prepared by the Texas Water Development Board or amounts requested by individual users.

Table No. 1 is a projection of population for Bell County and includes projections from other sources.

Table No. 2 combines the population projections from Table No. 1 with various consumption data and projects water needs for Bell County.

Table No. 3 tabulates water uses outside of Bell County as discussed above and to be supplied from Bell County sources.

Tables Nos. 4, 5, 6, and 7 tabulate water to be supplied to various users by the four major suppliers in Bell County. This data is included to summarize needs of these suppliers who are major contractors for water from the Brazos River Authority.

Tables Nos. 8 and 9 summarize water needs to be supplied from individual sources. This is included to compare needs with source capabilities.

Tables Nos. 10 and 11 summarize data from Tables Nos. 8 and 9.

In various tables, certain column headings are labeled "Currently Committed". The term, "Currently Committed", as used in this report means that either a contract has been executed or general agreement on the amount of water needed and available has been reached. Where no contract is in effect, these amounts are subject to change.

TABLE NO. 1  
POPULATION PROJECTIONS  
BELL COUNTY

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
<b>BARTLETT</b>									
1985 CTCOG				1,960	2,160	2,380	2,610		
1996 TWDB				1,597	1,704	1,858	1,943	2,041	2,161
1985 REPORT				1,900	2,100	2,300	2,600		
THIS REPORT (ALL)		1,567	1,439	1,600	1,800	2,000	2,200	2,300	2,400
THIS REPORT (BELL CO.)		696	621	670	760	840	880	920	960
<b>BELTON</b>	8,696	10,660	12,476						
1985 CTCOG				16,130	19,840	24,400	30,010		
1996 TWDB				16,517	18,149	19,917	21,219	22,003	22,816
1985 REPORT				18,000	23,000	29,000	37,000		
1995 TBRSS				14,500	16,800	19,500			
1996 WDS				14,500	16,800	19,500	22,600		
THIS REPORT				15,000	18,000	21,000	25,000	29,000	34,000
<b>HARKER HEIGHTS</b>	4,216	7,345	12,841						
1985 CTCOG				14,810	21,030	29,860	42,400		
1996 TWDB				15,857	19,709	23,612	25,224	26,536	27,916
1985 REPORT				12,000	15,000	19,000	24,000		
1989 FPS				12,000	15,000	19,000	24,000		
THIS REPORT				19,000	23,000	25,000	28,000	31,000	33,000
<b>HOLLAND</b>		863	1,118						
1985 CTCOG				1,220	1,450	1,730	2,060		
1996 TWDB				1,476	1,678	1,891	2,055	2,164	2,278
1985 REPORT				1,050	1,150	1,300	1,450		
THIS REPORT				1,500	1,700	1,900	2,100	2,300	2,400
<b>KILLEEN</b>	35,507	46,296	63,535						
1985 CTCOG				79,450	104,100	136,350	178,600		
1996 TWDB				84,753	100,541	116,767	124,751	131,239	138,064
1985 REPORT				72,000	90,000	112,000	140,000		
1989 FPS				72,000	90,000	112,000	140,000		
THIS REPORT				85,000	100,000	116,000	125,000	131,000	138,000



TABLE NO. 1  
POPULATION PROJECTIONS  
BELL COUNTY

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
<b>LITTLE RIVER-ACADEMY</b>		1,155	1,390						
1985 CTCOG				1,660	2,000	2,400	2,870		
1996 TWDB				1,618	1,811	2,024	2,162	2,274	2,392
1985 REPORT				1,700	2,100	2,600	3,200		
THIS REPORT				1,700	2,100	2,600	3,200	3,600	3,800
<b>MORGAN'S POINT</b>		1,082	1,766						
1985 CTCOG				2,470	3,730	5,630	8,490		
1996 TWDB				2,320	2,881	3,450	3,917	4,258	4,627
1985 REPORT				1,900	2,600	3,500	4,700		
THIS REPORT				2,300	2,900	3,600	4,300	4,900	5,300
<b>NOLANVILLE</b>		1,308	1,834						
1985 CTCOG				2,750	3,990	5,780	8,380		
1996 TWDB				2,460	2,865	3,285	3,463	3,710	3,975
1985 REPORT				2,200	2,800	3,600	4,600		
1989 FPS				2,200	2,800	3,600	4,600		
THIS REPORT				2,500	2,900	3,300	3,600	3,900	4,200
<b>ROGERS</b>	1,030	1,242	1,131						
1985 CTCOG				1,610	1,840	2,100	2,390		
1996 TWDB				1,235	1,356	1,487	1,583	1,641	1,730
1985 REPORT				1,600	1,900	2,200	4,600		
THIS REPORT				1,300	1,500	1,700	1,900	2,100	2,200
<b>SALADO</b>		1,035	1,216						
1985 CTCOG									
1996 TWDB				INCLUDES SALADO IN RURAL AREA					
1985 REPORT				2,200	3,300	4,900	7,300		
THIS REPORT				2,000	3,000	4,000	4,500	5,000	5,500

TABLE NO. 1  
POPULATION PROJECTIONS  
BELL COUNTY

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
<b>TEMPLE</b>	33,431	42,483	46,109						
1985 CTCOG				67,250	84,700	106,750	134,500		
1996 TWDB				55,062	56,996	59,513	60,836	61,013	61,189
1985 REPORT				66,000	82,000	102,000	127,000		
1995 TBRSS				52,635	58,142	64,225			
1994 WDS								126,500	
THIS REPORT				53,000	62,000	72,000	80,000	88,000	97,000
<b>TROY</b>		1,353	1,395						
1985 CTCOG				2,290	2,970	3,860	5,020		
1996 TWDB				1,606	1,729	1,933	2,065	2,172	2,284
1985 REPORT				1,900	2,300	2,800	3,400		
1994 WDS								3,400	
THIS REPORT				1,600	1,800	2,000	2,200	2,400	2,600
<b>FORT HOOD</b>									
1985 CTCOG				31,250	31,250	31,250	31,250		
1996 TWDB				35,580	35,580	35,580	35,580	35,580	35,580
1985 REPORT				18,036	18,036	18,036	18,036		
THIS REPORT (ALL)		31,238	35,580	36,000	37,000	38,000	39,000	40,000	40,000
THIS REPORT (BELL CO.)		18,036	17,021	18,000	18,000	18,000	18,000	19,000	19,000
<b>RURAL</b>		26,233	29,851						
1985 CTCOG				41,770	54,270	70,570	91,810		
1996 TWDB				31,295	29,075	27,427	32,038	33,102	39,498
1985 REPORT				33,000	38,000	43,000	48,000		
THIS REPORT				33,000	36,000	40,000	44,000	49,000	54,000
<b>TOTALS FOR BELL CO.</b>									
1985 CTCOG				264,620	333,330	423,060	540,390	-	-
1996 TWDB				251,376	274,074	298,744	316,836	327,733	344,510
1985 REPORT				233,486	284,286	346,236	425,886	-	-
THIS REPORT	82,880	159,787	192,304	236,570	273,660	311,940	342,680	372,120	401,960

TABLE NO. 2  
WATER USE PROJECTIONS  
BELL COUNTY

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
<b>BARTLETT (BELL CO.)</b>									
POPULATION		696	621	670	760	840	880	920	960
1996 TWDB - Ac.Ft./Yr.		83	128	185	203	222	237	246	259
1985 Report GPCD		90	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				123	157	179	202		
This Report GPCD				150	160	170	175	175	175
This Report MGD				0.101	0.122	0.143	0.154	0.161	0.168
This Report - Ac.Ft./Yr.				113	137	160	172	180	188
<b>BARTLETT (ALL)</b>									
POPULATION		1,567	1,439	1,600	1,800	2,000	2,200	2,300	2,400
1996 TWDB - Ac.Ft./Yr.		188	297	390	416	453	475	499	528
1985 Report GPCD		90	120	125	135	145	150	150	150
1985 Report Ac.Ft./Yr.				269	314	370	437		
This Report GPCD				150	160	170	175	175	175
This Report MGD				0.240	0.288	0.340	0.385	0.403	0.420
This Report - Ac.Ft./Yr.				269	323	381	431	451	470
<b>BELTON</b>									
POPULATION	8,696	10,660	12,476	15,000	18,000	21,000	25,000	29,000	34,000
1996 TWDB - Ac.Ft./Yr.		1,971	2,194	3,034	3,334	3,659	3,898	4,042	4,191
1985 Report GPCD		128	150	160	170	180	185		
1985 Report Ac.Ft./Yr.				3,226	4,379	5,846	7,672		
This Report GPCD				170	180	190	200	200	200
This Report MGD				2.550	3.240	3.990	5.000	5.800	6.800
This Report - Ac.Ft./Yr.				2,856	3,629	4,469	5,600	6,496	7,616
<b>HARKER HEIGHTS</b>									
POPULATION	4,216	7,345	12,841	19,000	23,000	25,000	28,000	31,000	33,000
1996 TWDB - Ac.Ft./Yr.		1,263	1,985	3,570	4,437	5,316	5,679	4,975	6,285
1985 Report GPCD		122	150	160	165	170	175		
1985 Report Ac.Ft./Yr.				2,150	2,778	3,618	4,704		
This Report GPCD				170	180	190	200	200	200
This Report MGD				3.230	4.140	4.750	5.560	6.200	6.600
This Report - Ac.Ft./Yr.				3,618	4,637	5,320	6,227	6,944	7,392

TABLE NO. 2  
WATER USE PROJECTIONS  
BELL COUNTY

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
<b>HOLLAND</b>									
POPULATION		863	1,118	1,500	1,700	1,900	2,100	2,300	2,400
1996 TWDB - Ac.Ft./Yr.		0	115	169	192	216	235	247	260
1985 Report GPCD		90	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				146	179	213	246		
This Report GPCD				125	135	145	150	150	150
This Report MGD				0.188	0.230	0.276	0.315	0.345	0.360
This Report - Ac.Ft./Yr.				211	258	309	353	386	403
<b>KILLEEN</b>									
POPULATION	35,507	46,296	63,535	85,000	100,000	116,000	125,000	131,000	138,000
1996 TWDB - Ac.Ft./Yr.		6,258	7,953	11,582	13,740	15,957	17,048	17,935	18,867
1985 Report GPCD		120	150	160	165	170	175		
1985 Report Ac.Ft./Yr.				12,902	16,632	21,325	27,440		
This Report GPCD				160	165	170	175	175	175
This Report MGD				13.600	16.500	19.720	21.875	22.925	24.150
This Report - Ac.Ft./Yr.				15,232	18,480	22,086	24,500	25,676	27,048
<b>LITTLE RIVER-ACADEMY</b>									
POPULATION		1,155	1,390	1,700	2,100	2,600	3,200	3,600	3,800
1996 TWDB - Ac.Ft./Yr.		230	222	339	379	424	453	476	501
1985 Report GPCD		114	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				235	314	426	538		
This Report GPCD				150	160	170	175	175	175
This Report MGD				0.255	0.336	0.442	0.560	0.630	0.665
This Report - Ac.Ft./Yr.				286	376	495	627	706	745
<b>MORGAN'S POINT</b>									
POPULATION		1,082	1,766	2,300	2,900	3,600	4,300	4,900	5,300
1996 TWDB - Ac.Ft./Yr.		162	264	515	639	765	869	944	1,026
1985 Report GPCD		121	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				269	392	571	795		
This Report GPCD				150	160	170	175	175	175
This Report MGD				0.345	0.464	0.612	0.753	0.858	0.928
This Report - Ac.Ft./Yr.				386	520	685	843	961	1,039

TABLE NO. 2  
WATER USE PROJECTIONS  
BELL COUNTY

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
<b>NOLANVILLE</b>									
POPULATION		1,308	1,834	2,500	2,900	3,300	3,600	3,900	4,200
1996 TWDB - Ac.Ft./Yr.		136	233	331	385	442	465	499	534
1985 Report GPCD		120	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				314	426	582	773		
This Report GPCD				125	135	145	150	150	150
This Report MGD				0.313	0.392	0.479	0.540	0.585	0.630
This Report - Ac.Ft./Yr.				351	439	536	605	655	706
<b>ROGERS</b>									
POPULATION		1,242	1,131	1,300	1,500	1,700	1,900	2,100	2,200
1996 TWDB - Ac.Ft./Yr.		181	203	221	243	267	284	294	310
1985 Report GPCD		75	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				224	291	358	437		
This Report GPCD				125	135	145	150	150	150
This Report MGD				0.163	0.225	0.247	0.285	0.315	0.330
This Report - Ac.Ft./Yr.				183	252	277	319	353	370
<b>SALADO</b>									
POPULATION		1,035	1,216	2,000	3,000	4,000	4,500	5,000	5,500
1996 TWDB - Ac.Ft./Yr.									
1985 Report GPCD		145	150	155	160	165	175		
1985 Report Ac.Ft./Yr.				381	594	907	1,434		
This Report GPCD				160	170	175	175	175	175
This Report MGD				0.320	0.510	0.700	0.788	0.875	0.963
This Report - Ac.Ft./Yr.				358	571	784	883	980	1,079
<b>TEMPLE</b>									
POPULATION	33,431	42,483	46,109	53,000	62,000	72,000	80,000	88,000	97,000
1996 TWDB - Ac.Ft./Yr.		8,411	10,492	12,706	13,152	13,733	14,038	14,079	14,119
1985 Report GPCD		203	190	200	210	220	225		
1985 Report Ac.Ft./Yr.				14,784	19,286	25,133	32,010		
This Report GPCD				200	210	220	225	225	225
This Report MGD				10.600	13.020	15.840	18.000	19.800	21.825
This Report - Ac.Ft./Yr.				11,872	14,582	17,741	20,160	22,176	24,444

**TABLE NO. 2  
WATER USE PROJECTIONS  
BELL COUNTY**

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
<b>TROY</b>									
POPULATION		1,353	1,395	1,600	1,800	2,000	2,200	2,400	2,600
1996 TWDB - Ac.Ft./Yr.		158	167	192	207	232	248	260	274
1985 Report GPCD		119	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				269	347	459	571		
This Report GPCD				125	135	145	150	150	150
This Report MGD				0.200	0.243	0.290	0.330	0.360	0.390
This Report - Ac.Ft./Yr.				224	272	325	370	403	437
<b>FT. HOOD (BELL)</b>									
POPULATION		18,036	17,021	18,000	18,000	18,000	18,000	19,000	19,000
1996 TWDB - Ac.Ft./Yr.		5,150	3,227	4,309	4,309	4,309	4,309	4,309	4,309
1985 Report GPCD		250	250	250	250	250	250		
1985 Report Ac.Ft./Yr.				5,051	5,051	5,051	5,051		
This Report GPCD				250	250	250	250	250	250
This Report MGD				4.500	4.500	4.500	4.500	4.750	4.750
This Report - Ac.Ft./Yr.				5,040	5,040	5,040	5,040	5,320	5,320
<b>FT. HOOD (ALL)</b>									
POPULATION		31,238	35,580	36,000	37,000	38,000	39,000	40,000	40,000
1996 TWDB - Ac.Ft./Yr.		8,919	6,746	9,007	9,007	9,007	9,007	9,007	9,007
1985 Report GPCD		250	250	250	250	250	250		
1985 Report Ac.Ft./Yr.				8,747	8,747	8,747	8,747		
This Report GPCD				250	250	250	250	250	250
This Report MGD				9.000	9.250	9.500	9.750	10.000	10.000
This Report - Ac.Ft./Yr.				10,080	10,360	10,640	10,920	11,200	11,200
<b>RURAL</b>									
POPULATION		26,233	29,851	33,000	36,000	40,000	44,000	49,000	54,000
1996 TWDB - Ac.Ft./Yr.		3,238	5,980	9,344	8,695	8,213	9,562	9,873	11,743
1985 Report GPCD		90	120	125	135	145	150		
1985 Report Ac.Ft./Yr.				4,626	5,746	6,989	8,064		
This Report GPCD				125	135	145	150	150	150
This Report MGD				4.125	4.860	5.800	6.600	7.350	8.100
This Report - Ac.Ft./Yr.				4,620	5,443	6,496	7,392	8,232	9,072

**TABLE NO. 2  
WATER USE PROJECTIONS  
BELL COUNTY**

AREA	Census			Projection					
	1970	1980	1990	2000	2010	2020	2030	2040	2050
TOTALS:									
BELL COUNTY ONLY									
POPULATION		159,787	192,304	236,570	273,660	311,940	342,680	372,120	401,960
USE-MGD				40.490	48.782	57.789	65.260	70.954	76.659
USE-Ac.Ft./Yr.				45,350	54,636	64,723	73,091	79,468	85,859
TOTAL WATER USE (INCLUDING ALL OF FT. HOOD & BARTLETT)									
POPULATION	81,850	173,860	211,681	255,500	293,700	333,100	365,000	394,500	424,400
USE-MGD				45.129	53.698	62.986	70.741	76.446	82.161
USE-Ac.Ft./Yr.				50,546	60,142	70,544	79,230	85,619	92,021

TABLE NO. 3  
USE OUTSIDE BELL COUNTY  
in acre feet per year

<u>System</u>	<u>Year 2050</u>	<u>Water Source</u>	<u>Supplied By</u>
Bartlett	282	Ground	Bartlett
Bell-Milam-Falls	346	Lake Stillhouse Hollow	CTWSC
Bruceville-Eddy	1,288	Lake Belton	Bluebonnet WSC
East Bell WC	200	Lake Stillhouse Hollow	CTWSC
Elm Creek WSC	253	Lake Belton	Bluebonnet WSC
Kempner	3,810	Lake Stillhouse Hollow	CTWSC
Oenaville-Bellfalls	42	Lake Stillhouse Hollow	CTWSC
Chisholm Trail WSC	1,200	Lake Stillhouse Hollow	CTWSC
Lampasas	1,717	Lake Stillhouse Hollow	CTWSC
Gatesville	10,986 *	Lake Belton	Gatesville
McGregor	1,389	Lake Belton	Bluebonnet WSC
Moody	347	Lake Belton	Bluebonnet WSC
Spring Valley WSC	190	Lake Belton	Bluebonnet WSC
Buckholts	174	Lake Stillhouse Hollow	CTWSC
Lometa WSC	200	Lake Stillhouse Hollow	CTWSC
Lott	184	Lake Stillhouse Hollow	CTWSC
Woodway	403	Lake Stillhouse Hollow	Bluebonnet WSC
Westphalia	45	Lake Stillhouse Hollow	CTWSC
Rosebud	500	Lake Stillhouse Hollow	CTWSC
Copperas Cove	8,371	Lake Belton	WCID #1
Georgetown	15,448	Lake Stillhouse Hollow	BRA
Round Rock	18,134	Lake Stillhouse Hollow	BRA
Leander	4,000	Lake Stillhouse Hollow	BRA
Brushy Creek MUD	4,000	Lake Stillhouse Hollow	BRA
High Gabriel WSC	310	Lake Stillhouse Hollow	BRA
Jonah SUD	2,439	Lake Stillhouse Hollow	BRA
 Total Civilian Use	 76,258		
 Ft. Hood Use	 <u>5,880</u>	 Lake Belton	 WCID #1
 Total Use	 82,138		

\* TWDB Estimates vary from 5,332 ac.ft./year to 10,986 ac.ft./year



TABLE NO. 4  
WATER SUPPLIED THROUGH BELL COUNTY W.C.I.D. NO. 1  
in acre feet per year

<u>Supplied to</u>	<u>Total 2,050 Use</u>	<u>2050 Use In Bell Co.</u>	<u>2050 Use Outside Bell Co.</u>	<u>Currently Committed</u>	<u>Additional Required</u>
439 WSC	532	532	0		
Bell Co. WCID #3	372	372	0		
Bell Co. WCID #4	7,392	7,392	0		
Belton	7,345	7,345	0		
Copperas Cove	8,371	0	8,371		
Killeen	27,048	27,048	0		
Others	<u>100</u>	<u>100</u>	<u>0</u>		
Total Civilian	51,160	42,789	8,371	52,009 *	0
Fort Hood	<u>11,200</u>	<u>5,320</u>	<u>5,880</u>	<u>5,411</u>	<u>5,789</u>
Total	62,360	48,109	14,251	57,420	5,789

\* Includes 2,500 ac.ft./year contracted to City of Belton

TABLE NO. 5  
 WATER SUPPLIED THROUGH BLUEBONNET WATER SUPPLY CORPORATION  
 in acre feet per year

<u>Supplied to</u>	<u>Total 2,050 Use</u>	<u>2050 Use In Bell Co.</u>	<u>2050 Use Outside Bell Co.</u>	<u>Currently Committed</u>	<u>Additional Required</u>
Bruceville-Eddy	1,313	25	1,288		
Elm Creek WSC	403	150	253		
Moody	347	0	347		
Pendleton	370	370	0		
Moffat	437	437	0		
Spring Valley WSC	190	0	190		
Woodway	<u>403</u>	<u>0</u>	<u>403</u>		
Total	3,463	982	2,481	8,301	0
McGregor	<u>1,389</u>	<u>0</u>	<u>1,389</u>	<u>810</u>	<u>N.A.</u>
Total	4,852	982	3,870	9,111	0

**TABLE NO. 6**  
**WATER SUPPLIED THROUGH CENTRAL TEXAS WATER SUPPLY CORPORATION**  
**in acre feet per year**

<u>Supplied to</u>	<u>Total 2050 Use</u>	<u>2050 Use In Bell Co.</u>	<u>2050 Use Outside Bell Co.</u>	<u>Currently Committed</u>	<u>Additional Required</u>
Armstrong WSC	308	308	0		
Bell-Milam-Falls	446	100	346		
Belton	271	271	0		
Buckholts	174	0	174		
Chisholm Trail WSC	1,600	400	1,200		
Dog Ridge WSC	671	671	0		
East Bell WSC	428	228	200		
Bell Co. I.D. #5	37	37	0		
Holland	403	403	0		
Little Elm WSC	147	147	0		
Lometa WSC	200	0	200		
Lott	184	0	184		
Oenaville-Bellfalls	57	15	42		
Rogers	206	206	0		
Rosebud	500	0	500		
Westphalia	45	0	45		
West Bell WSC	1,226	1,226	0		
Others	50	50	0		
Total	6,953	4,062	2,891	15,200 *	0
Kempner	3,910	100	3,810	2,400	1,510
Total	10,863	4,162	6,701	17,600	1,510

\* Includes 100 ac.ft./year contracted to City of Belton and 1,600 ac.ft./year contracted to Chisholm Trail WSC and 200 ac.ft./year to City of Lometa

**TABLE NO. 7**  
**WATER SUPPLIED THROUGH CITY OF TEMPLE**  
in acre feet per year

<u>Supplied To</u>	<u>Total 2,050 Use</u>	<u>2050 Use In Bell Co.</u>	<u>2050 Use Outside Bell Co.</u>	<u>Currently Committed</u>	<u>Additional Required</u>
Temple	24,444	24,444	0		
Bell County WCID #2	745	745	0		
Troy	437	437	0		
Acres WSC	235	235	0		
Morgan's Point	<u>1,039</u>	<u>1,039</u>	<u>0</u>		
Total	26,900	26,900	0	40,453 *	0
* Permit 2052	18,500	ac.ft./year			
Option Contract	9,453	ac.ft./year			
Certified Filing 852	<u>12,500</u>	<u>ac.ft./year</u>			
Total	40,453	ac.ft./year			

The dependable yield of Certified Filing 852 has been calculated by others to be approximately 9,375 ac.ft./year which would reduce the amount available from 40,453 ac.ft./year to 37,328 ac.ft./year.

**TABLE NO. 8**  
**WATER TO BE SUPPLIED FROM LAKE BELTON AND LEON RIVER**  
**in acre feet per year**

<u>System</u>	<u>Total 2050 Use</u>	<u>2050 Use In Bell Co.</u>	<u>2050 Use Outside Bell Co.</u>	<u>From Leon River</u>	<u>Amount Committed from Lake Belton</u>	<u>Additional Required from Lake Belton</u>	<u>Total Committed and Required</u>
Bell Co. WCID #1	51,160	42,789	8,371	0	52,009	0	52,009
Bluebonnet WSC	4,852	982	3,870	0	9,111	-	9,111
Temple	26,900	26,900	0	9,375	27,953	0	27,953
Gatesville	10,986 *	0	10,986	0	5,448	5,538	10,986
Misc.	<u>500</u>	<u>500</u>	<u>0</u>	<u>0</u>	<u>300</u>	<u>200</u>	<u>500</u>
Total Civilian Use	94,398	71,171	23,227	9,375	94,821	5,738	100,559
Fort Hood	<u>11,200</u>	<u>5,320</u>	<u>5,880</u>	<u>0</u>	<u>5,411</u>	<u>2,453 **</u>	<u>7,864</u>
<b>Total</b>	<b>105,598</b>	<b>76,491</b>	<b>29,107</b>	<b>9,375</b>	<b>100,232</b>	<b>8,191</b>	<b>108,423</b>

\* TWDB Estimates vary from 5,332 ac.ft./year to 10,986 ac.ft./year  
Thus, additional required water varies from 0 ac.ft./year to 5,538 ac.ft./year

\*\* U.S. Army Corps of Engineers has a reserve of 12,000 ac. ft. of storage  
for Fort Hood. The calculated annual yield of the storage is 3,336 ac. ft./year.  
Thus the additional required yield from Lake Belton is 2,453 ac. ft./year.  
(11,200 - 3,336 - 5,411)

TABLE NO. 9  
WATER TO BE SUPPLIED FROM LAKE STILLHOUSE HOLLOW  
in acre feet per year

<u>System</u>	<u>Total 2,050 Use</u>	<u>2050 Use In Bell Co.</u>	<u>2050 Use Outside Bell Co.</u>	<u>Amount Committed</u>	<u>Additional Requested</u>	<u>Total Committed and Requested</u>
Central Texas WSC	6,953	4,062	2,891	12,200	3,000	15,200
Kempner WSC	3,910	100	3,810	2,400	0	2,400
Harker Heights	2,000	2,000	0	0	2,000	2,000
Lampasas	1,717	0	1,717	2,000	0	2,000
Salado WSC	1,079	1,079	0	1,600	0	1,600
Williamson Co.						
Georgetown	15,448	0	15,448	15,448	0	15,448
Round Rock	18,134	0	18,134	18,134	0	18,134
Leander	4,000	0	4,000	2,700	1,300	4,000
Brushy Creek MUD	4,000	0	4,000	0	4,000	4,000
High Gabriel WSC	310	0	310	310	0	310
Jonah SUD	2,439	0	2,439	2,439	0	2,439
Misc.	<u>300</u>	<u>300</u>	<u>0</u>	<u>300</u>	<u>0</u>	<u>300</u>
Total	60,290	7,541	52,749	57,531	10,300	67,831

**TABLE NO. 10**  
**TOTAL WATER REQUIRED IN 2050**  
**TO BE SUPPLIED BY**  
**LAKES BELTON AND STILLHOUSE HOLLOW AND LEON RIVER**  
**in acre feet per year**

<u>Supplier/User</u>	<u>Inside Bell County</u>	<u>Outside Bell County</u>
Bell Co. WCID #1	42,789	8,371
Fort Hood	5,320	5,880
Bluebonnet WSC	982	3,870
Central Texas WSC	4,162	6,701
Temple	26,900	0
Salado WSC	1,079	0
Harker Heights	2,000	0
Lampasas	0	1,717
Gatesville	0	10,986
Williamson County Users	0	44,331
Misc.	<u>800</u>	<u>0</u>
Total	84,032	81,856
		<u>84,032</u>
Total of All		165,888

TABLE NO. 11  
TOTAL WATER REQUIRED IN 2050  
TO BE SUPPLIED BY  
LAKES BELTON AND STILLHOUSE HOLLOW AND LEON RIVER  
in acre feet per year

<u>Supplier/User</u>	<u>From Lake Belton</u>	<u>From Leon River</u>	<u>From Lake Stillhouse Hollow</u>
Bell Co. WCID #1	51,160	0	0
Fort Hood	11,200	0	0
Bluebonnet WSC	4,852	0	0
Central Texas WSC	0	0	10,863
Temple	17,525	9,375	0
Salado WSC	0	0	1,079
Harker Heights	0	0	2,000
Lampasas	0	0	1,717
Williamson County Users	0	0	44,331
Gatesville	10,986	0	0
Misc.	<u>500</u>	<u>0</u>	<u>300</u>
Total	96,223	9,375	60,290
			9,375
			<u>96,223</u>
Total of All			165,888