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**Table 4-19  
Kent County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		859	840	821	733	602	535	472

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	161	154	148	131	104	91	80
	Municipal Existing Supply							
	Groundwater	317	317	317	317	317	317	317
	Surface water	0	0	0	0	0	0	0
	Total Existing Municipal Supply	317	317	317	317	317	317	317
	Municipal Balance	156	163	169	186	213	226	237
Industrial	Manufacturing Demand	0	0	0	0	0	0	0
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	0	0	0	0	0	0	0
	Manufacturing Balance	0	0	0	0	0	0	0
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
Mining	Mining Demand	686	464	436	427	418	410	399
	Mining Existing Supply							
	Groundwater	686	464	436	427	418	410	399
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	686	464	436	427	418	410	399
	Mining Balance	0	0	0	0	0	0	0
Agriculture	Irrigation Demand	532	517	503	488	475	462	449
	Irrigation Existing Supply							
	Groundwater	532	517	503	488	475	462	449
	Surface water	368	368	368	368	367	367	367
	Total Irrigation Supply	900	885	871	856	842	829	816
	Irrigation Balance	368	368	368	368	367	367	367
	Livestock Demand	459	459	459	459	459	459	459
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	459	459	459	459	459	459	459
Total Livestock Supply	459	459	459	459	459	459	459	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	847	618	584	558	522	501	479
	Existing Municipal & Industrial Supply							
	Groundwater	1,003	781	753	744	735	727	716
	Surface water	0	0	0	0	0	0	0
	Total Municipal & Industrial Supply	1,003	781	753	744	735	727	716
	Municipal & Industrial Balance	156	163	169	186	213	226	237
	Agriculture Demand	991	976	962	947	934	921	908
	Existing Agricultural Supply							
	Groundwater	532	517	503	488	475	462	449
	Surface water	827	827	827	827	826	826	826
	Total Agriculture Supply	1,359	1,344	1,330	1,315	1,301	1,288	1,275
	Agriculture Balance	368	368	368	368	367	367	367
	Total Demand	1,838	1,594	1,546	1,505	1,456	1,422	1,387
	Total Supply							
	Groundwater	1,535	1,298	1,256	1,232	1,210	1,189	1,165
	Surface water	827	827	827	827	826	826	826
Total Supply	2,362	2,125	2,083	2,059	2,036	2,015	1,991	
Total Balance	524	531	537	554	580	593	604	

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**Table 4-20  
Knox County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		4,253	4,197	4,305	4,310	4,321	4,316	4,272

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	734	709	713	700	687	677	669
	Municipal Existing Supply							
	Groundwater	127	130	133	136	139	143	147
	Surface water	653	653	653	653	653	653	653
	Total Existing Municipal Supply	780	783	786	789	792	796	800
	Municipal Balance	46	74	73	89	105	119	131
Industrial	Manufacturing Demand	0	0	0	0	0	0	0
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	0	0	0	0	0	0	0
	Manufacturing Balance	0	0	0	0	0	0	0
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
Mining Demand	26	26	26	26	26	26	26	
Mining Existing Supply								
Groundwater	22	23	23	23	23	23	23	
Surface water	0	0	0	0	0	0	0	
Total Mining Supply	22	23	23	23	23	23	23	
Mining Balance	(4)	(3)	(3)	(3)	(3)	(3)	(3)	
Agriculture	Irrigation Demand	43,124	42,065	41,033	40,025	39,041	38,082	37,147
	Irrigation Existing Supply							
	Groundwater	23,778	23,775	23,771	23,768	23,764	23,761	23,757
	Surface water	2,951	2,951	2,951	2,951	2,951	2,951	2,951
	Total Irrigation Supply	26,729	26,726	26,722	26,719	26,715	26,712	26,708
	Irrigation Balance	(16,395)	(15,339)	(14,311)	(13,306)	(12,326)	(11,370)	(10,439)
	Livestock Demand	1,040	1,040	1,040	1,040	1,040	1,040	1,040
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,040	1,040	1,040	1,040	1,040	1,040	1,040
Total Livestock Supply	1,040	1,040	1,040	1,040	1,040	1,040	1,040	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	760	735	739	726	713	703	695
	Existing Municipal & Industrial Supply							
	Groundwater	149	153	156	159	162	166	170
	Surface water	653	653	653	653	653	653	653
	Total Municipal & Industrial Supply	802	806	809	812	815	819	823
	Municipal & Industrial Balance	42	71	70	86	102	116	128
	Agriculture Demand	44,164	43,105	42,073	41,065	40,081	39,122	38,187
	Existing Agricultural Supply							
	Groundwater	23,778	23,775	23,771	23,768	23,764	23,761	23,757
	Surface water	3,991	3,991	3,991	3,991	3,991	3,991	3,991
	Total Agriculture Supply	27,769	27,766	27,762	27,759	27,755	27,752	27,748
	Agriculture Balance	(16,395)	(15,339)	(14,311)	(13,306)	(12,326)	(11,370)	(10,439)
	Total Demand	44,924	43,840	42,812	41,791	40,794	39,825	38,882
	Total Supply							
	Groundwater	23,927	23,928	23,927	23,927	23,926	23,927	23,927
	Surface water	4,644	4,644	4,644	4,644	4,644	4,644	4,644
Total Supply	28,571	28,572	28,571	28,571	28,570	28,571	28,571	
Total Balance	(16,353)	(15,268)	(14,241)	(13,220)	(12,224)	(11,254)	(10,311)	

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**Table 4-21  
Lampasas County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		17,762	20,114	22,596	24,396	25,731	26,606	27,160

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		<b>Municipal</b>	Municipal Demand	3,666	4,465	4,952	5,286	5,514
Municipal Existing Supply								
Groundwater	672		679	681	682	683	684	684
Surface water	3,682		3,718	3,757	3,782	3,800	3,809	3,814
Total Existing Municipal Supply	4,354		4,397	4,438	4,464	4,483	4,493	4,498
Municipal Balance	688		(68)	(514)	(822)	(1,031)	(1,177)	(1,271)
<b>Industrial</b>	Manufacturing Demand	108	129	142	153	164	174	187
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	18	18	18	18	18	18	18
	Total Manufacturing Supply	18	18	18	18	18	18	18
	Manufacturing Balance	(90)	(111)	(124)	(135)	(146)	(156)	(169)
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
<b>Mining</b>	Mining Demand	193	152	144	139	135	131	128
	Mining Existing Supply							
	Groundwater	158	126	119	115	111	109	105
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	158	126	119	115	111	109	105
	Mining Balance	(35)	(26)	(25)	(24)	(24)	(22)	(23)
<b>Agriculture</b>	Irrigation Demand	170	168	166	164	162	160	159
	Irrigation Existing Supply							
	Groundwater	136	134	132	131	129	128	127
	Surface water	1,244	1,244	1,244	1,244	1,244	1,244	1,244
	Total Irrigation Supply	1,380	1,378	1,376	1,375	1,373	1,372	1,371
	Irrigation Balance	1,210	1,210	1,210	1,211	1,211	1,212	1,212
	Livestock Demand	688	688	688	688	688	688	688
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	688	688	688	688	688	688	688
Total Livestock Supply	688	688	688	688	688	688	688	
Livestock Balance	0	0	0	0	0	0	0	
<b>Total</b>	Municipal & Industrial Demand	3,967	4,746	5,238	5,578	5,813	5,975	6,084
	Existing Municipal & Industrial Supply							
	Groundwater	830	805	800	797	794	793	789
	Surface water	3,700	3,736	3,775	3,800	3,818	3,827	3,831
	Total Municipal & Industrial Supply	4,530	4,541	4,575	4,597	4,612	4,620	4,620
	Municipal & Industrial Balance	563	(205)	(663)	(981)	(1,201)	(1,355)	(1,464)
	Agriculture Demand	858	856	854	852	850	848	847
	Existing Agricultural Supply							
	Groundwater	136	134	132	131	129	128	127
	Surface water	1,932	1,932	1,932	1,932	1,932	1,932	1,932
	Total Agriculture Supply	2,068	2,066	2,064	2,063	2,061	2,060	2,059
	Agriculture Balance	1,210	1,210	1,210	1,211	1,211	1,212	1,212
	Total Demand	4,825	5,602	6,092	6,430	6,663	6,823	6,931
	Total Supply							
	Groundwater	966	939	932	928	923	921	916
	Surface water	5,632	5,668	5,707	5,732	5,750	5,759	5,763
Total Supply	6,598	6,607	6,639	6,660	6,673	6,680	6,679	
Total Balance	1,773	1,005	547	230	10	(143)	(252)	

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**Table 4-22  
Lee County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		15,657	17,789	20,362	22,483	24,194	25,685	26,946

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	2,650	2,932	3,284	3,572	3,802	4,009	4,207
	Municipal Existing Supply							
	Groundwater	3,419	3,420	3,420	3,420	3,420	3,420	3,421
	Surface water	0	0	0	0	0	0	0
	Total Existing Municipal Supply	3,419	3,420	3,420	3,420	3,420	3,420	3,421
	Municipal Balance	769	488	136	(152)	(382)	(589)	(786)
Industrial	Manufacturing Demand	11	13	14	15	16	17	18
	Manufacturing Existing Supply							
	Groundwater	14	14	14	14	14	14	14
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	14	14	14	14	14	14	14
	Manufacturing Balance	3	1	0	(1)	(2)	(3)	(4)
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
	Mining Demand	20,000	5,000	5,000	5,000	5,000	13	13
	Mining Existing Supply							
	Groundwater	20,000	5,000	5,000	5,000	5,000	13	13
Surface water	0	0	0	0	0	0	0	
Total Mining Supply	20,000	5,000	5,000	5,000	5,000	13	13	
Mining Balance	0	0	0	0	0	0	0	
Agriculture	Irrigation Demand	965	940	916	891	867	842	818
	Irrigation Existing Supply							
	Groundwater	940	914	891	867	844	820	796
	Surface water	128	128	128	128	128	128	128
	Total Irrigation Supply	1,068	1,042	1,019	995	972	948	924
	Irrigation Balance	103	102	103	104	105	106	106
	Livestock Demand	1,547	1,547	1,547	1,547	1,547	1,547	1,547
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,547	1,547	1,547	1,547	1,547	1,547	1,547
Total Livestock Supply	1,547	1,547	1,547	1,547	1,547	1,547	1,547	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	22,661	7,945	8,298	8,587	8,818	4,039	4,238
	Existing Municipal & Industrial Supply							
	Groundwater	23,433	8,434	8,434	8,434	8,434	3,447	3,448
	Surface water	0	0	0	0	0	0	0
	Total Municipal & Industrial Supply	23,433	8,434	8,434	8,434	8,434	3,447	3,448
	Municipal & Industrial Balance	772	489	136	(153)	(384)	(592)	(790)
	Agriculture Demand	2,512	2,487	2,463	2,438	2,414	2,389	2,365
	Existing Agricultural Supply							
	Groundwater	940	914	891	867	844	820	796
	Surface water	1,675	1,675	1,675	1,675	1,675	1,675	1,675
	Total Agriculture Supply	2,615	2,589	2,566	2,542	2,519	2,495	2,471
	Agriculture Balance	103	102	103	104	105	106	106
	Total Demand	25,173	10,432	10,761	11,025	11,232	6,428	6,603
	Total Supply							
	Groundwater	24,373	9,348	9,325	9,301	9,278	4,267	4,244
Surface water	1,675	1,675	1,675	1,675	1,675	1,675	1,675	
Total Supply	26,048	11,023	11,000	10,976	10,953	5,942	5,919	
Total Balance	875	591	239	(49)	(279)	(486)	(684)	

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**Table 4-23  
Limestone County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		22,051	23,322	24,944	25,828	26,505	27,177	28,050

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		<b>Municipal</b>	Municipal Demand	3,193	3,293	3,447	3,510	3,544
Municipal Existing Supply								
Groundwater	3,689		3,689	3,689	3,689	3,689	3,689	3,689
Surface water	4,223		3,764	3,305	2,847	2,388	1,929	1,471
Total Existing Municipal Supply	7,912		7,453	6,994	6,536	6,077	5,618	5,160
Municipal Balance	4,719		4,160	3,547	3,026	2,533	2,002	1,408
<b>Industrial</b>	Manufacturing Demand	39	48	53	58	63	67	72
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	68	57	46	35	25	14	3
	Total Manufacturing Supply	68	57	46	35	25	14	3
	Manufacturing Balance	29	9	(7)	(23)	(38)	(53)	(69)
	Steam-Electric Demand	22,065	22,332	22,598	26,420	31,079	36,758	43,681
	Steam-Electric Existing Supply							
	Groundwater	9,867	9,867	9,867	9,867	9,867	9,867	9,867
	Surface water	43,000	43,000	43,000	43,000	43,000	43,000	43,000
	Total Steam-Electric Supply	52,867	52,867	52,867	52,867	52,867	52,867	52,867
	Steam-Electric Balance	30,802	30,535	30,269	26,447	21,788	16,109	9,186
<b>Mining</b>	Mining Demand	360	380	387	392	396	400	403
	Mining Existing Supply							
	Groundwater	360	380	387	392	396	400	403
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	360	380	387	392	396	400	403
	Mining Balance	0	0	0	0	0	0	0
<b>Agriculture</b>	Irrigation Demand	0	0	0	0	0	0	0
	Irrigation Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	19	19	19	19	19	19	19
	Total Irrigation Supply	19	19	19	19	19	19	19
	Irrigation Balance	19	19	19	19	19	19	19
	Livestock Demand	1,487	1,487	1,487	1,487	1,487	1,487	1,487
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,487	1,487	1,487	1,487	1,487	1,487	1,487
Total Livestock Supply	1,487	1,487	1,487	1,487	1,487	1,487	1,487	
Livestock Balance	0	0	0	0	0	0	0	
<b>Total</b>	Municipal & Industrial Demand	25,657	26,053	26,485	30,380	35,082	40,841	47,908
	Existing Municipal & Industrial Supply							
	Groundwater	13,916	13,936	13,943	13,948	13,952	13,956	13,959
	Surface water	47,291	46,821	46,352	45,882	45,413	44,943	44,474
	Total Municipal & Industrial Supply	61,207	60,757	60,295	59,830	59,365	58,899	58,433
	Municipal & Industrial Balance	35,550	34,704	33,810	29,450	24,283	18,058	10,525
	Agriculture Demand	1,487	1,487	1,487	1,487	1,487	1,487	1,487
	Existing Agricultural Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,506	1,506	1,506	1,506	1,506	1,506	1,506
	Total Agriculture Supply	1,506	1,506	1,506	1,506	1,506	1,506	1,506
	Agriculture Balance	19	19	19	19	19	19	19
	Total Demand	27,144	27,540	27,972	31,867	36,569	42,328	49,395
	Total Supply							
	Groundwater	13,916	13,936	13,943	13,948	13,952	13,956	13,959
	Surface water	48,797	48,327	47,858	47,388	46,919	46,449	45,980
Total Supply	62,713	62,263	61,801	61,336	60,871	60,405	59,939	
Total Balance	35,569	34,723	33,829	29,469	24,302	18,077	10,544	

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**Table 4-24  
McLennan County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		213,517	231,882	250,398	266,002	282,177	292,449	307,378

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	44,105	47,046	50,004	52,499	55,064	56,727	59,404
	Municipal Existing Supply							
	Groundwater	1,485	1,485	1,485	1,485	1,485	1,485	1,485
	Surface water	91,036	91,234	91,410	91,550	91,664	91,728	91,853
	Total Existing Municipal Supply	92,521	92,719	92,895	93,035	93,149	93,213	93,338
	Municipal Balance	48,416	45,673	42,891	40,536	38,085	36,486	33,934
Industrial	Manufacturing Demand	2,804	3,526	4,068	4,577	5,096	5,561	6,022
	Manufacturing Existing Supply							
	Groundwater	232	232	232	232	232	232	232
	Surface water	5	4	3	3	2	1	0
	Total Manufacturing Supply	237	236	235	235	234	233	232
	Manufacturing Balance	(2,567)	(3,290)	(3,833)	(4,342)	(4,862)	(5,328)	(5,790)
	Steam-Electric Demand	24,412	20,298	16,183	18,920	22,256	26,323	31,281
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	14,899	14,890	14,881	14,872	14,862	14,853	14,844
	Total Steam-Electric Supply	14,899	14,890	14,881	14,872	14,862	14,853	14,844
	Steam-Electric Balance	(9,513)	(5,408)	(1,302)	(4,049)	(7,394)	(11,470)	(16,437)
	Mining Demand	481	416	399	389	380	371	366
	Mining Existing Supply							
	Groundwater	481	416	399	389	380	371	366
Surface water	0	0	0	0	0	0	0	
Total Mining Supply	481	416	399	389	380	371	366	
Mining Balance	0	0	0	0	0	0	0	
Agriculture	Irrigation Demand	2,819	2,816	2,814	2,812	2,809	2,806	2,803
	Irrigation Existing Supply							
	Groundwater	1,956	1,954	1,953	1,951	1,949	1,947	1,945
	Surface water	8,117	8,116	8,114	8,113	8,111	8,110	8,108
	Total Irrigation Supply	10,073	10,070	10,067	10,064	10,060	10,057	10,053
	Irrigation Balance	7,254	7,254	7,253	7,252	7,251	7,251	7,250
	Livestock Demand	1,151	1,151	1,151	1,151	1,151	1,151	1,151
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,151	1,151	1,151	1,151	1,151	1,151	1,151
Total Livestock Supply	1,151	1,151	1,151	1,151	1,151	1,151	1,151	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	71,802	71,286	70,654	76,385	82,796	88,982	97,073
	Existing Municipal & Industrial Supply							
	Groundwater	2,198	2,133	2,116	2,106	2,097	2,088	2,083
	Surface water	105,940	106,129	106,294	106,424	106,528	106,582	106,697
	Total Municipal & Industrial Supply	108,138	108,262	108,410	108,530	108,625	108,670	108,780
	Municipal & Industrial Balance	36,336	36,976	37,756	32,145	25,829	19,688	11,707
	Agriculture Demand	3,970	3,967	3,965	3,963	3,960	3,957	3,954
	Existing Agricultural Supply							
	Groundwater	1,956	1,954	1,953	1,951	1,949	1,947	1,945
	Surface water	9,268	9,267	9,265	9,264	9,262	9,261	9,259
	Total Agriculture Supply	11,224	11,221	11,218	11,215	11,211	11,208	11,204
	Agriculture Balance	7,254	7,254	7,253	7,252	7,251	7,251	7,250
	Total Demand	75,772	75,253	74,619	80,348	86,756	92,939	101,027
	Total Supply							
	Groundwater	4,154	4,087	4,069	4,057	4,046	4,035	4,028
Surface water	115,208	115,395	115,559	115,688	115,790	115,843	115,956	
Total Supply	119,362	119,482	119,628	119,745	119,836	119,878	119,984	
Total Balance	43,590	44,229	45,009	39,397	33,080	26,939	18,957	

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**Table 4-25  
Milam County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		24,238	25,456	26,820	27,699	28,239	28,376	28,437

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		<b>Municipal</b>	Municipal Demand	4,633	4,826	4,968	5,038	5,073
Municipal Existing Supply								
Groundwater	4,504		4,504	4,504	4,504	4,504	4,504	4,504
Surface water	2,683		2,683	2,683	2,683	2,683	2,683	2,683
Total Existing Municipal Supply	7,187		7,187	7,187	7,187	7,187	7,187	7,187
Municipal Balance	2,554		2,361	2,219	2,149	2,114	2,125	2,113
<b>Industrial</b>	Manufacturing Demand	6,820	6,820	8,250	8,250	8,250	9,800	9,800
	Manufacturing Existing Supply							
	Groundwater	5,346	5,346	5,346	5,346	5,346	5,346	5,346
	Surface water	5,000	5,000	5,000	5,000	5,000	5,000	5,000
	Total Manufacturing Supply	10,346	10,346	10,346	10,346	10,346	10,346	10,346
	Manufacturing Balance	3,526	3,526	2,096	2,096	2,096	546	546
	Steam-Electric Demand	8,680	8,680	12,500	12,500	12,500	16,000	16,000
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	14,000	14,000	14,000	14,000	14,000	14,000	14,000
	Total Steam-Electric Supply	14,000	14,000	14,000	14,000	14,000	14,000	14,000
	Steam-Electric Balance	5,320	5,320	1,500	1,500	1,500	(2,000)	(2,000)
Mining Demand	30,008	15	15	15	15	15	15	
Mining Existing Supply								
Groundwater	30,008	15	15	15	15	15	15	
Surface water	0	0	0	0	0	0	0	
Total Mining Supply	30,008	15	15	15	15	15	15	
Mining Balance	0	0	0	0	0	0	0	
<b>Agriculture</b>	Irrigation Demand	2,391	2,372	2,352	2,333	2,312	2,294	2,275
	Irrigation Existing Supply							
	Groundwater	493	489	485	481	476	473	469
	Surface water	10,004	10,004	10,003	10,003	10,002	10,002	10,001
	Total Irrigation Supply	10,497	10,493	10,488	10,484	10,478	10,475	10,470
	Irrigation Balance	8,106	8,121	8,136	8,151	8,166	8,181	8,195
	Livestock Demand	1,779	1,779	1,779	1,779	1,779	1,779	1,779
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,779	1,779	1,779	1,779	1,779	1,779	1,779
Total Livestock Supply	1,779	1,779	1,779	1,779	1,779	1,779	1,779	
Livestock Balance	0	0	0	0	0	0	0	
<b>Total</b>	Municipal & Industrial Demand	50,141	20,341	25,733	25,803	25,838	30,877	30,889
	Existing Municipal & Industrial Supply							
	Groundwater	39,858	9,865	9,865	9,865	9,865	9,865	9,865
	Surface water	21,683	21,683	21,683	21,683	21,683	21,683	21,683
	Total Municipal & Industrial Supply	61,541	31,548	31,548	31,548	31,548	31,548	31,548
	Municipal & Industrial Balance	11,400	11,207	5,815	5,745	5,710	671	659
	Agriculture Demand	4,170	4,151	4,131	4,112	4,091	4,073	4,054
	Existing Agricultural Supply							
	Groundwater	493	489	485	481	476	473	469
	Surface water	11,783	11,783	11,782	11,782	11,781	11,781	11,780
	Total Agriculture Supply	12,276	12,272	12,267	12,263	12,257	12,254	12,249
	Agriculture Balance	8,106	8,121	8,136	8,151	8,166	8,181	8,195
	Total Demand	54,311	24,492	29,864	29,915	29,929	34,950	34,943
	Total Supply							
Groundwater	40,351	10,354	10,350	10,346	10,341	10,338	10,334	
Surface water	33,466	33,466	33,465	33,465	33,464	33,464	33,463	
Total Supply	73,817	43,820	43,815	43,811	43,805	43,802	43,797	
Total Balance	19,506	19,328	13,951	13,896	13,876	8,852	8,854	

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**Table 4-26  
Nolan County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		15,802	16,550	17,177	17,464	17,412	16,747	15,954

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		<b>Municipal</b>	Municipal Demand	3,419	3,523	3,581	3,582	3,512
Municipal Existing Supply								
Groundwater	1,026		1,029	1,032	1,036	1,039	1,042	1,045
Surface water	5,737		5,585	5,431	5,297	5,163	5,028	5,026
Total Existing Municipal Supply	6,763		6,614	6,463	6,333	6,202	6,070	6,071
Municipal Balance	3,344		3,091	2,882	2,751	2,690	2,711	2,871
<b>Industrial</b>	Manufacturing Demand	643	779	915	1,038	1,159	1,266	1,372
	Manufacturing Existing Supply							
	Groundwater	157	157	157	157	157	157	157
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	157	157	157	157	157	157	157
	Manufacturing Balance	(486)	(622)	(758)	(881)	(1,002)	(1,109)	(1,215)
	Steam-Electric Demand	1,093	1,315	1,882	2,200	2,588	3,061	3,638
	Steam-Electric Existing Supply							
	Groundwater	771	780	788	796	805	813	821
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	771	780	788	796	805	813	821
	Steam-Electric Balance	(322)	(535)	(1,094)	(1,404)	(1,783)	(2,248)	(2,817)
<b>Mining</b>	Mining Demand	277	278	278	278	278	278	278
	Mining Existing Supply							
	Groundwater	148	150	151	153	155	157	158
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	148	150	151	153	155	157	158
	Mining Balance	(129)	(128)	(127)	(125)	(123)	(121)	(120)
<b>Agriculture</b>	Irrigation Demand	5,276	5,138	5,003	4,871	4,741	4,618	4,497
	Irrigation Existing Supply							
	Groundwater	2,288	2,275	2,261	2,248	2,234	2,222	2,209
	Surface water	120	120	120	120	120	120	120
	Total Irrigation Supply	2,408	2,395	2,381	2,368	2,354	2,342	2,329
	Irrigation Balance	(2,868)	(2,743)	(2,622)	(2,503)	(2,387)	(2,276)	(2,168)
	Livestock Demand	464	464	464	464	464	464	464
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	464	464	464	464	464	464	464
Total Livestock Supply	464	464	464	464	464	464	464	
Livestock Balance	0	0	0	0	0	0	0	
<b>Total</b>	Municipal & Industrial Demand	5,432	5,895	6,656	7,098	7,537	7,964	8,488
	Existing Municipal & Industrial Supply							
	Groundwater	2,102	2,116	2,128	2,142	2,156	2,169	2,181
	Surface water	5,737	5,585	5,431	5,297	5,163	5,028	5,026
	Total Municipal & Industrial Supply	7,839	7,701	7,559	7,439	7,319	7,197	7,207
	Municipal & Industrial Balance	2,407	1,806	903	341	(218)	(767)	(1,281)
	Agriculture Demand	5,740	5,602	5,467	5,335	5,205	5,082	4,961
	Existing Agricultural Supply							
	Groundwater	2,288	2,275	2,261	2,248	2,234	2,222	2,209
	Surface water	584	584	584	584	584	584	584
	Total Agriculture Supply	2,872	2,859	2,845	2,832	2,818	2,806	2,793
	Agriculture Balance	(2,868)	(2,743)	(2,622)	(2,503)	(2,387)	(2,276)	(2,168)
	Total Demand	11,172	11,497	12,123	12,433	12,742	13,046	13,449
	Total Supply							
	Groundwater	4,390	4,391	4,389	4,390	4,390	4,391	4,390
	Surface water	6,321	6,169	6,015	5,881	5,747	5,612	5,610
Total Supply	10,711	10,560	10,404	10,271	10,137	10,003	10,000	
Total Balance	(461)	(937)	(1,719)	(2,162)	(2,605)	(3,043)	(3,449)	

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**Table 4-27  
Palo Pinto County  
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		27,026	28,895	31,147	33,048	34,897	37,074	39,589

  

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		<b>Municipal</b>	Municipal Demand	4,756	4,926	5,187	5,407	5,602
Municipal Existing Supply								
Groundwater	0		0	0	0	0	0	0
Surface water	8,293		8,182	8,332	8,454	8,536	8,670	8,844
Total Existing Municipal Supply	8,293		8,182	8,332	8,454	8,536	8,670	8,844
Municipal Balance	3,537		3,256	3,145	3,047	2,934	2,769	2,556
<b>Industrial</b>	Manufacturing Demand	23	29	33	36	39	42	46
	Manufacturing Existing Supply							
	Groundwater	30	30	30	30	30	30	30
	Surface water	3,288	3,198	3,107	3,017	2,927	2,836	2,746
	Total Manufacturing Supply	3,318	3,228	3,137	3,047	2,957	2,866	2,776
	Manufacturing Balance	3,295	3,199	3,104	3,011	2,918	2,824	2,730
	Steam-Electric Demand	1,378	1,365	1,250	1,461	1,719	2,033	2,416
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	2,024	2,024	2,024	2,024	2,024	2,024	2,024
	Total Steam-Electric Supply	2,024	2,024	2,024	2,024	2,024	2,024	2,024
	Steam-Electric Balance	646	659	774	563	305	(9)	(392)
<b>Mining</b>	Mining Demand	2	2	2	2	2	2	2
	Mining Existing Supply							
	Groundwater	2	2	2	2	2	2	2
	Surface water	8,235	8,235	8,235	8,235	8,235	8,235	8,235
	Total Mining Supply	8,237	8,237	8,237	8,237	8,237	8,237	8,237
	Mining Balance	8,235	8,235	8,235	8,235	8,235	8,235	8,235
<b>Agriculture</b>	Irrigation Demand	947	935	923	911	901	889	877
	Irrigation Existing Supply							
	Groundwater	17	17	17	16	16	16	16
	Surface water	6,686	6,686	6,686	6,686	6,686	6,686	6,686
	Total Irrigation Supply	6,703	6,703	6,703	6,702	6,702	6,702	6,702
	Irrigation Balance	5,756	5,768	5,780	5,791	5,801	5,813	5,825
	Livestock Demand	909	909	909	909	909	909	909
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	909	909	909	909	909	909	909
Total Livestock Supply	909	909	909	909	909	909	909	
Livestock Balance	0	0	0	0	0	0	0	
<b>Total</b>	Municipal & Industrial Demand	6,159	6,322	6,472	6,906	7,362	7,978	8,752
	Existing Municipal & Industrial Supply							
	Groundwater	32	32	32	32	32	32	32
	Surface water	21,840	21,639	21,698	21,730	21,721	21,765	21,849
	Total Municipal & Industrial Supply	21,872	21,671	21,730	21,762	21,753	21,797	21,881
	Municipal & Industrial Balance	15,713	15,349	15,258	14,856	14,391	13,819	13,129
	Agriculture Demand	1,856	1,844	1,832	1,820	1,810	1,798	1,786
	Existing Agricultural Supply							
	Groundwater	17	17	17	16	16	16	16
	Surface water	7,595	7,595	7,595	7,595	7,595	7,595	7,595
	Total Agriculture Supply	7,612	7,612	7,612	7,611	7,611	7,611	7,611
	Agriculture Balance	5,756	5,768	5,780	5,791	5,801	5,813	5,825
	Total Demand	8,015	8,166	8,304	8,726	9,172	9,776	10,538
	Total Supply							
Groundwater	49	49	49	48	48	48	48	
Surface water	29,435	29,234	29,293	29,325	29,316	29,360	29,444	
Total Supply	29,484	29,283	29,342	29,373	29,364	29,408	29,492	
Total Balance	21,469	21,117	21,038	20,647	20,192	19,632	18,954	