List of Appendices

APPENDIX A

BIBLIOGRAPHY

APPENDIX B

TWDB EXHIBIT B TABLES 1 - 8, 11 - 13

and

SUMMARY TABLES

[Note: TWDB Exhibit B Tables 9 and 10 are included in the TWDB Socio-Economic Analysis in Appendix D]

APPENDIX C

HYDROLOGY DATA

APPENDIX D

TWDB SOCIO-ECONOMIC REPORT

APPENDIX E

COST ESTIMATES AND STRATEGY MATRIX

APPENDIX F

DROUGHT TRIGGERS

and

WASTEWATER REUSE

APPENDIX G

STRATEGY SCHEMATICS

WUGNAME	COUNTY NAME	BASIN NAME	WUG NUM	RWPG	SEQ#	CITY#	COUNTY	BASIN	pop 1996	pop 2000	pop 2010	pop 2020	pop 2030	pop 2040	pop 2050
ANDREWS	ANDREWS	COLORADO	60026000	F	26	17	2	14	10475	12029	13472	14551	15045	15300	15559
COUNTY-OTHER	ANDREWS	COLORADO	60996002	F	996	757	2	14	4005	3719	3793	3871	3902	3939	3721
COUNTY-OTHER	ANDREWS	RIO GRANDE	60996002	F	996	757	2	23	52	48	49	50	51	51	48
GAIL	BORDEN	COLORADO	60326000	F	326	224	17	14	200	193	186	172	152	129	109
COUNTY-OTHER	BORDEN	BRAZOS	60996017	F	996	757	17	12	38	41	42	39	34	29	24
COUNTY-OTHER	BORDEN	COLORADO	60996017	F	996	757	17	14	524	573	588	541	475	399	335
BANGS	BROWN	COLORADO	60054000	F	54	37	25	14	1601	1595	1615	1626	1631	1634	1635
BROWNWOOD	BROWN	COLORADO	60120000	F	120	81	25	14	19402	19782	20520	20900	21093	21190	21238
EARLY	BROWN	COLORADO	60259000	F	259	174	25	14	2605	2755	3039	3310	3499	3627	3758
COUNTY-OTHER	BROWN	BRAZOS	60996025	F	996	757	25	12	52	53	60	67	72	75	74
COUNTY-OTHER	BROWN	COLORADO	60996025	F	996	757	25	14	13623	13910	15782	17616	18810	19441	19355
BRONTE VILLAGE	COKE	COLORADO	60114000	F	114	683	41	14	951	977	1011	1013	1015	1017	1019
ROBERT LEE	COKE	COLORADO	60759000	F	759	506	41	14	1295	1305	1337	1353	1362	1366	1368
COUNTY-OTHER	COKE	COLORADO	60996041	F	996	757	41	14	1283	1348	1390	1427	1444	1452	1455
COLEMAN	COLEMAN	COLORADO	60184000	F	184	123	42	14	5359	5403	5436	5453	5461	5465	5467
SANTA ANNA	COLEMAN	COLORADO	60803000	F	803	540	42	14	1238	1235	1235	1235	1235	1235	1235
COUNTY-OTHER	COLEMAN	COLORADO	60996042	F	996	757	42	14	3291	3404	3541	3610	3645	3663	3672
EDEN	CONCHO	COLORADO	60266000	F	266	179	48	14	1702	1631	1690	1750	1772	1807	1855
COUNTY-OTHER	CONCHO	COLORADO	60996048	F	996	757	48	14	1468	1485	1539	1594	1613	1552	1688
CRANE	CRANE	RIO GRANDE	60211000	F	211	139	52	23	3471	3682	4270	4716	5115	5362	5621
COUNTY-OTHER	CRANE	RIO GRANDE	60996052	F	996	757	52	23	1177	1380	1594	1755	1899	1986	2060
OZONA	CROCKETT	RIO GRANDE	60665000	F	665	446	53	23	3424	3540	3701	3846	3894	3937	3980
COUNTY-OTHER	CROCKETT	COLORADO	60996053	F	996	757	53	14	25	26	28	29	32	32	34
COUNTY-OTHER	CROCKETT	RIO GRANDE	60996053	F	996	757	53	23	1095	1150	1202	1271	1373	1418	1450
ODESSA	ECTOR	COLORADO	60652000	F	652	438	68	14	93580	100144	111610	124486	139866	151325	163755
COUNTY-OTHER	ECTOR	COLORADO	60996068	F	996	757	68	14	29336	31909	35622	39327	43138	46362	44782

COUNTY-OTHER	ECTOR	RIO GRANDE	60996068	F	996	757	68	23	295	335	374	413	453	487	471
GARDEN CITY	GLASSCOCK	COLORADO	60331000	F	331	229	87	14	337	373	406	431	442	448	454
COUNTY-OTHER	GLASSCOCK	COLORADO	60996087	F	996	757	87	14	1123	1241	1414	1540	1596	1645	1685
BIG SPRING	HOWARD	COLORADO	60085000	F	85	58	114	14	23558	24528	25451	25885	26148	26281	26348
COAHOMA	HOWARD	COLORADO	60181000	F	181	120	114	14	1306	1369	1435	1477	1492	1500	1504
COUNTY-OTHER	HOWARD	COLORADO	60996114	F	996	757	114	14	8421	8533	9214	9784	9884	9933	9958
MERTZON	IRION	COLORADO	60591000	F	591	400	118	14	679	731	767	779	785	788	790
COUNTY-OTHER	IRION	COLORADO	60996118	F	996	757	118	14	871	1051	1103	1121	1130	1135	1137
JUNCTION	KIMBLE	COLORADO	60455000	F	455	310	134	14	2842	2757	2810	2837	2851	2858	2861
COUNTY-OTHER	KIMBLE	COLORADO	60996134	F	996	757	134	14	1662	1689	1808	1869	1900	1916	1924
MENTONE	LOVING	RIO GRANDE	60587000	F	587	396	151	23	51	51	45	35	29	24	20
COUNTY-OTHER	LOVING	RIO GRANDE	60996151	F	996	757	151	23	46	54	53	49	45	38	29
BRADY	MCCULLOCH	COLORADO	60105000	F	105	71	154	14	6065	5955	5964	6020	6048	6062	6069
COUNTY-OTHER	MCCULLOCH	COLORADO	60996154	F	996	757	154	14	2797	2825	2819	2820	2821	2821	2821
STANTON	MARTIN	COLORADO	60858000	F	858	579	159	14	2567	2738	2969	3135	3151	3154	3157
COUNTY-OTHER	MARTIN	COLORADO	60996159	F	996	757	159	14	2489	2621	2827	2983	2993	2996	2911
MASON	MASON	COLORADO	60569000	F	569	390	160	14	2110	2157	2172	2179	2183	2185	2186
COUNTY-OTHER	MASON	COLORADO	60996160	F	996	757	160	14	1468	1535	1598	1630	1646	1654	1658
MENARD	MENARD	COLORADO	60586000	F	586	395	164	14	1609	1652	1670	1715	1715	1716	1717
COUNTY-OTHER	MENARD	COLORADO	60996164	F	996	757	164	14	730	611	613	606	595	588	584
MIDLAND	MIDLAND	COLORADO	60595000	F	595	404	165	14	97549	109885	127222	144454	161267	181036	203228
ODESSA	MIDLAND	COLORADO	60652000	F	652	438	165	14	538	239	274	299	332	373	419
COUNTY-OTHER	MIDLAND	COLORADO	60996165	F	996	757	165	14	18680	19056	19217	19890	20864	22564	19447
COLORADO CITY	MITCHELL	COLORADO	60189000	F	189	126	168	14	5706	5968	6047	6071	5930	5809	5690
LORAINE	MITCHELL	COLORADO	60540000	F	540	902	168	14	723	734	714	680	658	663	670
COUNTY-OTHER	MITCHELL	BRAZOS	60996168	F	996	757	168	12	4	5	5	5	5	5	4
COUNTY-OTHER	MITCHELL	COLORADO	60996168	F	996	757	168	14	2429	3228	3296	3336	3260	3165	2958

FORT STOCKTON	PECOS	RIO GRANDE	60310000	F	310	212	186	23	9184	9563	10584	11246	11438	11548	11659
IRAAN	PECOS	RIO GRANDE	60436000	F	436	708	186	23	1294	1768	2048	2212	2293	2360	2429
COUNTY-OTHER	PECOS	RIO GRANDE	60996186	F	996	757	186	23	6037	5267	5783	6126	6210	6246	6062
BIG LAKE	REAGAN	COLORADO	60083000	F	83	56	192	14	3412	4133	4569	4888	4994	5550	6168
COUNTY-OTHER	REAGAN	COLORADO	60996192	F	996	757	192	14	855	888	985	1059	1088	1217	830
COUNTY-OTHER	REAGAN	RIO GRANDE	60996192	F	996	757	192	23	10	11	12	13	13	15	10
BALMORHEA	REEVES	RIO GRANDE	60052000	F	52	818	195	23	824	832	830	812	778	729	670
PECOS	REEVES	RIO GRANDE	60687000	F	687	460	195	23	11634	13389	14746	15857	16415	16867	17331
TOYAH	REEVES	RIO GRANDE		F			195	23	115	118	117	114	110	103	95
COUNTY-OTHER	REEVES	RIO GRANDE	60996195	F	996	757	195	23	2736	3241	3663	4029	4238	4428	4450
BALLINGER	RUNNELS	COLORADO	60051000	F	51	35	200	14	4239	4223	4451	4492	4545	4597	4754
MILES	RUNNELS	COLORADO	60597000	F	597	915	200	14	909	898	916	915	897	860	835
WINTERS	RUNNELS	COLORADO	60982000	F	982	662	200	14	3011	2955	3121	3320	3536	3735	3945
COUNTY-OTHER	RUNNELS	COLORADO	60996200	F	996	757	200	14	3769	3602	3841	4311	4833	5340	5765
ELDORADO	SCHLEICHER	COLORADO	60276000	F	276	186	207	14	2201	2206	2429	2565	2616	2652	2688
COUNTY-OTHER	SCHLEICHER	COLORADO	60996207	F	996	757	207	14	862	755	790	804	793	777	743
COUNTY-OTHER	SCHLEICHER	RIO GRANDE	60996207	F	996	757	207	23	262	229	240	244	241	235	225
SNYDER	SCURRY	COLORADO	60837000	F	837	565	208	14	12061	13482	14516	15330	15942	16342	16752
COUNTY-OTHER	SCURRY	BRAZOS	60996208	F	996	757	208	12	1648	1530	1607	1660	1689	1690	1721
COUNTY-OTHER	SCURRY	COLORADO	60996208	F	996	757	208	14	5318	4941	5188	5359	5451	5455	5555
STERLING CITY	STERLING	COLORADO	60860000	F	860	581	216	14	1008	1217	1362	1468	1512	1541	1571
COUNTY-OTHER	STERLING	COLORADO	60996216	F	996	757	216	14	386	341	359	368	364	358	275
SONORA	SUTTON	RIO GRANDE	60841000	F	841	567	218	23	3045	3097	3479	3736	3854	3933	4014
COUNTY-OTHER	SUTTON	COLORADO	60996218	F	996	757	218	14	228	227	226	224	204	186	162
COUNTY-OTHER	SUTTON	RIO GRANDE	60996218	F	996	757	218	23	1258	1253	1249	1237	1129	1030	897
SAN ANGELO	TOM GREEN	COLORADO	60788000	F	788	529	226	14	89567	99750	113112	126204	134138	146028	158972
COUNTY-OTHER	TOM GREEN	COLORADO	60996226	F	996	757	226	14	15406	14904	17112	18492	24477	26653	26790

MCCAMEY	UPTON	RIO GRANDE	60575000	F	575	377	231	23	2298	2665	2943	3142	3147	3113	3079
RANKIN	UPTON	RIO GRANDE	60736000	F	736	494	231	23	928	1102	1275	1338	1375	1406	1438
COUNTY-OTHER	UPTON	COLORADO	60996231	F	996	757	231	14	290	356	377	394	408	420	417
COUNTY-OTHER	UPTON	RIO GRANDE	60996231	F	996	757	231	23	628	771	816	854	882	908	903
BARSTOW	WARD	RIO GRANDE	60056000	F	56	819	238	23	560	501	470	431	402	391	382
GRANDFALLS	WARD	RIO GRANDE	60355000	F	355	874	238	23	619	612	602	581	560	563	571
MONAHANS	WARD	RIO GRANDE	60604000	F	604	410	238	23	7851	8392	8847	9054	8857	8548	8250
THORNTONVILLE	WARD	RIO GRANDE	60895000	F	895	971	238	23	756	749	745	727	694	649	611
WICKETT	WARD	RIO GRANDE	60971000	F	971	992	238	23	543	490	459	423	414	405	397
COUNTY-OTHER	WARD	RIO GRANDE	60996238	F	996	757	238	23	2557	3225	3699	3990	4029	3952	3674
KERMIT	WINKLER	RIO GRANDE	60467000	F	467	319	248	23	6534	7348	7952	8393	8523	8611	8700
WINK	WINKLER	RIO GRANDE	60979000	F	979	659	248	23	1150	1303	1430	1517	1544	1567	1590
COUNTY-OTHER	WINKLER	COLORADO	60996248	F	996	757	248	14	5	6	6	6	6	6	5
COUNTY-OTHER	WINKLER	RIO GRANDE	60996248	F	996	757	248	23	608	625	654	683	691	691	525
TOTAL				F					594533	638203	704249	766269	823181	877342	921907

Table 2

WUGNAME	COUNTY NAME	BASIN NAME	DATACAT	WUGNUM	RWPG	SEQ#	CITY	COUNTY	BASIN
ANDREWS	ANDREWS	COLORADO	MUN	60026000	F	26	17	2	14
COUNTY-OTHER	ANDREWS	COLORADO	MUN	60996002	F	996	757	2	14
COUNTY-OTHER	ANDREWS	RIO GRANDE	MUN	60996002	F	996	757	2	23
MANUFACTURING	ANDREWS	COLORADO	MFG	61001002	F	1001	1001	2	14
MANUFACTURING	ANDREWS	RIO GRANDE	MFG	61001002	F	1001	1001	2	23
STEAM ELECTRIC POWER	ANDREWS	COLORADO	PWR	61002002	F	1002	1002	2	14
STEAM ELECTRIC POWER	ANDREWS	RIO GRANDE	PWR	61002002	F	1002	1002	2	23
MINING	ANDREWS	COLORADO	MIN	61003002	F	1003	1003	2	14
MINING	ANDREWS	RIO GRANDE	MIN	61003002	F	1003	1003	2	23
IRRIGATION	ANDREWS	COLORADO	IRR	61004002	F	1004	1004	2	14
IRRIGATION	ANDREWS	RIO GRANDE	IRR	61004002	F	1004	1004	2	23
LIVESTOCK	ANDREWS	COLORADO	STK	61005002	F	1005	1005	2	14
LIVESTOCK	ANDREWS	RIO GRANDE	STK	61005002	F	1005	1005	2	23
GAIL	BORDEN	COLORADO	MUN	60326000	F	326	224	17	14
COUNTY-OTHER	BORDEN	BRAZOS	MUN	60996017	F	996	757	17	12
COUNTY-OTHER	BORDEN	COLORADO	MUN	60996017	F	996	757	17	14
MANUFACTURING	BORDEN	BRAZOS	MFG	61001017	F	1001	1001	17	12
MANUFACTURING	BORDEN	COLORADO	MFG	61001017	F	1001	1001	17	14
STEAM ELECTRIC POWER	BORDEN	BRAZOS	PWR	61002017	F	1002	1002	17	12
STEAM ELECTRIC POWER	BORDEN	COLORADO	PWR	61002017	F	1002	1002	17	14
MINING	BORDEN	BRAZOS	MIN	61003017	F	1003	1003	17	12
MINING	BORDEN	COLORADO	MIN	61003017	F	1003	1003	17	14
IRRIGATION	BORDEN	BRAZOS	IRR	61004017	F	1004	1004	17	12
IRRIGATION	BORDEN	COLORADO	IRR	61004017	F	1004	1004	17	14
LIVESTOCK	BORDEN	BRAZOS	STK	61005017	F	1005	1005	17	12
LIVESTOCK	BORDEN	COLORADO	STK	61005017	F	1005	1005	17	14

BANGS	BROWN	COLORADO	MUN	60054000	F	54	37	25	14
BROWNWOOD	BROWN	COLORADO	MUN	60120000	F	120	81	25	14
EARLY	BROWN	COLORADO	MUN	60259000	F	259	174	25	14
COUNTY-OTHER	BROWN	BRAZOS	MUN	60996025	F	996	757	25	12
COUNTY-OTHER	BROWN	COLORADO	MUN	60996025	F	996	757	25	14
MANUFACTURING	BROWN	BRAZOS	MFG	61001025	F	1001	1001	25	12
MANUFACTURING	BROWN	COLORADO	MFG	61001025	F	1001	1001	25	14
STEAM ELECTRIC POWER	BROWN	BRAZOS	PWR	61002025	F	1002	1002	25	12
STEAM ELECTRIC POWER	BROWN	COLORADO	PWR	61002025	F	1002	1002	25	14
MINING	BROWN	BRAZOS	MIN	61003025	F	1003	1003	25	12
MINING	BROWN	COLORADO	MIN	61003025	F	1003	1003	25	14
IRRIGATION	BROWN	BRAZOS	IRR	61004025	F	1004	1004	25	12
IRRIGATION	BROWN	COLORADO	IRR	61004025	F	1004	1004	25	14
LIVESTOCK	BROWN	BRAZOS	STK	61005025	F	1005	1005	25	12
LIVESTOCK	BROWN	COLORADO	STK	61005025	F	1005	1005	25	14
BRONTE VILLAGE	COKE	COLORADO	MUN	60114000	F	114	683	41	14
ROBERT LEE	COKE	COLORADO	MUN	60759000	F	759	506	41	14
COUNTY-OTHER	COKE	COLORADO	MUN	60996041	F	996	757	41	14
MANUFACTURING	COKE	COLORADO	MFG	61001041	F	1001	1001	41	14
STEAM ELECTRIC POWER	COKE	COLORADO	PWR	61002041	F	1002	1002	41	14
MINING	COKE	COLORADO	MIN	61003041	F	1003	1003	41	14
IRRIGATION	COKE	COLORADO	IRR	61004041	F	1004	1004	41	14
LIVESTOCK	COKE	COLORADO	STK	61005041	F	1005	1005	41	14
COLEMAN	COLEMAN	COLORADO	MUN	60184000	F	184	123	42	14
SANTA ANNA	COLEMAN	COLORADO	MUN	60803000	F	803	540	42	14
COUNTY-OTHER	COLEMAN	COLORADO	MUN	60996042	F	996	757	42	14
MANUFACTURING	COLEMAN	COLORADO	MFG	61001042	F	1001	1001	42	14

STEAM ELECTRIC POWER	COLEMAN	COLORADO	PWR	61002042	F	1002	1002	42	14
MINING	COLEMAN	COLORADO	MIN	61003042	F	1003	1003	42	14
IRRIGATION	COLEMAN	COLORADO	IRR	61004042	F	1004	1004	42	14
LIVESTOCK	COLEMAN	COLORADO	STK	61005042	F	1005	1005	42	14
EDEN	CONCHO	COLORADO	MUN	60266000	F	266	179	48	14
COUNTY-OTHER	CONCHO	COLORADO	MUN	60996048	F	996	757	48	14
MANUFACTURING	CONCHO	COLORADO	MFG	61001048	F	1001	1001	48	14
STEAM ELECTRIC POWER	CONCHO	COLORADO	PWR	61002048	F	1002	1002	48	14
MINING	CONCHO	COLORADO	MIN	61003048	F	1003	1003	48	14
IRRIGATION	CONCHO	COLORADO	IRR	61004048	F	1004	1004	48	14
LIVESTOCK	CONCHO	COLORADO	STK	61005048	F	1005	1005	48	14
CRANE	CRANE	RIO GRANDE	MUN	60211000	F	211	139	52	23
COUNTY-OTHER	CRANE	RIO GRANDE	MUN	60996052	F	996	757	52	23
MANUFACTURING	CRANE	RIO GRANDE	MFG	61001052	F	1001	1001	52	23
STEAM ELECTRIC POWER	CRANE	RIO GRANDE	PWR	61002052	F	1002	1002	52	23
MINING	CRANE	RIO GRANDE	MIN	61003052	F	1003	1003	52	23
IRRIGATION	CRANE	RIO GRANDE	IRR	61004052	F	1004	1004	52	23
LIVESTOCK	CRANE	RIO GRANDE	STK	61005052	F	1005	1005	52	23
OZONA	CROCKETT	RIO GRANDE	MUN	60665000	F	665	446	53	23
COUNTY-OTHER	CROCKETT	COLORADO	MUN	60996053	F	996	757	53	14
COUNTY-OTHER	CROCKETT	RIO GRANDE	MUN	60996053	F	996	757	53	23
MANUFACTURING	CROCKETT	COLORADO	MFG	61001053	F	1001	1001	53	14
MANUFACTURING	CROCKETT	RIO GRANDE	MFG	61001053	F	1001	1001	53	23
STEAM ELECTRIC POWER	CROCKETT	COLORADO	PWR	61002053	F	1002	1002	53	14
STEAM ELECTRIC POWER	CROCKETT	RIO GRANDE	PWR	61002053	F	1002	1002	53	23
MINING	CROCKETT	COLORADO	MIN	61003053	F	1003	1003	53	14

MINING	CROCKETT	RIO GRANDE	MIN	61003053	F	1003	1003	53	23
IRRIGATION	CROCKETT	COLORADO	IRR	61004053	F	1004	1004	53	14
IRRIGATION	CROCKETT	RIO GRANDE	IRR	61004053	F	1004	1004	53	23
LIVESTOCK	CROCKETT	COLORADO	STK	61005053	F	1005	1005	53	14
LIVESTOCK	CROCKETT	RIO GRANDE	STK	61005053	F	1005	1005	53	23
ODESSA	ECTOR	COLORADO	MUN	60652000	F	652	438	68	14
COUNTY-OTHER	ECTOR	COLORADO	MUN	60996068	F	996	757	68	14
COUNTY-OTHER	ECTOR	RIO GRANDE	MUN	60996068	F	996	757	68	23
MANUFACTURING	ECTOR	COLORADO	MFG	61001068	F	1001	1001	68	14
MANUFACTURING	ECTOR	RIO GRANDE	MFG	61001068	F	1001	1001	68	23
STEAM ELECTRIC POWER	ECTOR	COLORADO	PWR	61002068	F	1002	1002	68	14
STEAM ELECTRIC POWER	ECTOR	RIO GRANDE	PWR	61002068	F	1002	1002	68	23
MINING	ECTOR	COLORADO	MIN	61003068	F	1003	1003	68	14
MINING	ECTOR	RIO GRANDE	MIN	61003068	F	1003	1003	68	23
IRRIGATION	ECTOR	COLORADO	IRR	61004068	F	1004	1004	68	14
IRRIGATION	ECTOR	RIO GRANDE	IRR	61004068	F	1004	1004	68	23
LIVESTOCK	ECTOR	COLORADO	STK	61005068	F	1005	1005	68	14
LIVESTOCK	ECTOR	RIO GRANDE	STK	61005068	F	1005	1005	68	23
GARDEN CITY	GLASSCOCK	COLORADO	MUN	60331000	F	331	229	87	14
COUNTY-OTHER	GLASSCOCK	COLORADO	MUN	60996087	F	996	757	87	14
MANUFACTURING	GLASSCOCK	COLORADO	MFG	61001087	F	1001	1001	87	14
STEAM ELECTRIC POWER	GLASSCOCK	COLORADO	PWR	61002087	F	1002	1002	87	14
MINING	GLASSCOCK	COLORADO	MIN	61003087	F	1003	1003	87	14
IRRIGATION	GLASSCOCK	COLORADO	IRR	61004087	F	1004	1004	87	14
LIVESTOCK	GLASSCOCK	COLORADO	STK	61005087	F	1005	1005	87	14
BIG SPRING	HOWARD	COLORADO	MUN	60085000	F	85	58	114	14
COAHOMA	HOWARD	COLORADO	MUN	60181000	F	181	120	114	14

COUNTY-OTHER	HOWARD	COLORADO	MUN	60996114	F	996	757	114	14
MANUFACTURING	HOWARD	COLORADO	MFG	61001114	F	1001	1001	114	14
STEAM ELECTRIC POWER	HOWARD	COLORADO	PWR	61002114	F	1002	1002	114	14
MINING	HOWARD	COLORADO	MIN	61003114	F	1003	1003	114	14
IRRIGATION	HOWARD	COLORADO	IRR	61004114	F	1004	1004	114	14
LIVESTOCK	HOWARD	COLORADO	STK	61005114	F	1005	1005	114	14
MERTZON	IRION	COLORADO	MUN	60591000	F	591	400	118	14
COUNTY-OTHER	IRION	COLORADO	MUN	60996118	F	996	757	118	14
MANUFACTURING	IRION	COLORADO	MFG	61001118	F	1001	1001	118	14
STEAM ELECTRIC POWER	IRION	COLORADO	PWR	61002118	F	1002	1002	118	14
MINING	IRION	COLORADO	MIN	61003118	F	1003	1003	118	14
IRRIGATION	IRION	COLORADO	IRR	61004118	F	1004	1004	118	14
LIVESTOCK	IRION	COLORADO	STK	61005118	F	1005	1005	118	14
JUNCTION	KIMBLE	COLORADO	MUN	60455000	F	455	310	134	14
COUNTY-OTHER	KIMBLE	COLORADO	MUN	60996134	F	996	757	134	14
MANUFACTURING	KIMBLE	COLORADO	MFG	61001134	F	1001	1001	134	14
STEAM ELECTRIC POWER	KIMBLE	COLORADO	PWR	61002134	F	1002	1002	134	14
MINING	KIMBLE	COLORADO	MIN	61003134	F	1003	1003	134	14
IRRIGATION	KIMBLE	COLORADO	IRR	61004134	F	1004	1004	134	14
LIVESTOCK	KIMBLE	COLORADO	STK	61005134	F	1005	1005	134	14
MENTONE	LOVING	RIO GRANDE	MUN	60587000	F	587	396	151	23
COUNTY-OTHER	LOVING	RIO GRANDE	MUN	60996151	F	996	757	151	23
MANUFACTURING	LOVING	RIO GRANDE	MFG	61001151	F	1001	1001	151	23
STEAM ELECTRIC POWER	LOVING	RIO GRANDE	PWR	61002151	F	1002	1002	151	23
MINING	LOVING	RIO GRANDE	MIN	61003151	F	1003	1003	151	23
IRRIGATION	LOVING	RIO GRANDE	IRR	61004151	F	1004	1004	151	23

LIVESTOCK	LOVING	RIO GRANDE	STK	61005151	F	1005	1005	151	23
BRADY	MCCULLOCH	COLORADO	MUN	60105000	F	105	71	154	14
COUNTY-OTHER	MCCULLOCH	COLORADO	MUN	60996154	F	996	757	154	14
MANUFACTURING	MCCULLOCH	COLORADO	MFG	61001154	F	1001	1001	154	14
STEAM ELECTRIC POWER	MCCULLOCH	COLORADO	PWR	61002154	F	1002	1002	154	14
MINING	MCCULLOCH	COLORADO	MIN	61003154	F	1003	1003	154	14
IRRIGATION	MCCULLOCH	COLORADO	IRR	61004154	F	1004	1004	154	14
LIVESTOCK	MCCULLOCH	COLORADO	STK	61005154	F	1005	1005	154	14
STANTON	MARTIN	COLORADO	MUN	60858000	F	858	579	159	14
COUNTY-OTHER	MARTIN	COLORADO	MUN	60996159	F	996	757	159	14
MANUFACTURING	MARTIN	COLORADO	MFG	61001159	F	1001	1001	159	14
STEAM ELECTRIC POWER	MARTIN	COLORADO	PWR	61002159	F	1002	1002	159	14
MINING	MARTIN	COLORADO	MIN	61003159	F	1003	1003	159	14
IRRIGATION	MARTIN	COLORADO	IRR	61004159	F	1004	1004	159	14
LIVESTOCK	MARTIN	COLORADO	STK	61005159	F	1005	1005	159	14
MASON	MASON	COLORADO	MUN	60569000	F	569	390	160	14
COUNTY-OTHER	MASON	COLORADO	MUN	60996160	F	996	757	160	14
MANUFACTURING	MASON	COLORADO	MFG	61001160	F	1001	1001	160	14
STEAM ELECTRIC POWER	MASON	COLORADO	PWR	61002160	F	1002	1002	160	14
MINING	MASON	COLORADO	MIN	61003160	F	1003	1003	160	14
IRRIGATION	MASON	COLORADO	IRR	61004160	F	1004	1004	160	14
LIVESTOCK	MASON	COLORADO	STK	61005160	F	1005	1005	160	14
MENARD	MENARD	COLORADO	MUN	60586000	F	586	395	164	14
COUNTY-OTHER	MENARD	COLORADO	MUN	60996164	F	996	757	164	14
MANUFACTURING	MENARD	COLORADO	MFG	61001164	F	1001	1001	164	14
STEAM ELECTRIC POWER	MENARD	COLORADO	PWR	61002164	F	1002	1002	164	14

MINING	MENARD	COLORADO	MIN	61003164	F	1003	1003	164	14
IRRIGATION	MENARD	COLORADO	IRR	61004164	F	1004	1004	164	14
LIVESTOCK	MENARD	COLORADO	STK	61005164	F	1005	1005	164	14
MIDLAND	MIDLAND	COLORADO	MUN	60595000	F	595	404	165	14
ODESSA	MIDLAND	COLORADO	MUN	60652000	F	652	438	165	14
COUNTY-OTHER	MIDLAND	COLORADO	MUN	60996165	F	996	757	165	14
MANUFACTURING	MIDLAND	COLORADO	MFG	61001165	F	1001	1001	165	14
STEAM ELECTRIC POWER	MIDLAND	COLORADO	PWR	61002165	F	1002	1002	165	14
MINING	MIDLAND	COLORADO	MIN	61003165	F	1003	1003	165	14
IRRIGATION	MIDLAND	COLORADO	IRR	61004165	F	1004	1004	165	14
LIVESTOCK	MIDLAND	COLORADO	STK	61005165	F	1005	1005	165	14
COLORADO CITY	MITCHELL	COLORADO	MUN	60189000	F	189	126	168	14
LORAINE	MITCHELL	COLORADO	MUN	60540000	F	540	902	168	14
COUNTY-OTHER	MITCHELL	BRAZOS	MUN	60996168	F	996	757	168	12
COUNTY-OTHER	MITCHELL	COLORADO	MUN	60996168	F	996	757	168	14
MANUFACTURING	MITCHELL	BRAZOS	MFG	61001168	F	1001	1001	168	12
MANUFACTURING	MITCHELL	COLORADO	MFG	61001168	F	1001	1001	168	14
STEAM ELECTRIC POWER	MITCHELL	BRAZOS	PWR	61002168	F	1002	1002	168	12
STEAM ELECTRIC POWER	MITCHELL	COLORADO	PWR	61002168	F	1002	1002	168	14
MINING	MITCHELL	BRAZOS	MIN	61003168	F	1003	1003	168	12
MINING	MITCHELL	COLORADO	MIN	61003168	F	1003	1003	168	14
IRRIGATION	MITCHELL	BRAZOS	IRR	61004168	F	1004	1004	168	12
IRRIGATION	MITCHELL	COLORADO	IRR	61004168	F	1004	1004	168	14
LIVESTOCK	MITCHELL	BRAZOS	STK	61005168	F	1005	1005	168	12
LIVESTOCK	MITCHELL	COLORADO	STK	61005168	F	1005	1005	168	14
FORT STOCKTON	PECOS	RIO GRANDE	MUN	60310000	F	310	212	186	23

IRAAN	PECOS	RIO GRANDE	MUN	60436000	F	436	708	186	23
COUNTY-OTHER	PECOS	RIO GRANDE	MUN	60996186	F	996	757	186	23
MANUFACTURING	PECOS	RIO GRANDE	MFG	61001186	F	1001	1001	186	23
STEAM ELECTRIC POWER	PECOS	RIO GRANDE	PWR	61002186	F	1002	1002	186	23
MINING	PECOS	RIO GRANDE	MIN	61003186	F	1003	1003	186	23
IRRIGATION	PECOS	RIO GRANDE	IRR	61004186	F	1004	1004	186	23
LIVESTOCK	PECOS	RIO GRANDE	STK	61005186	F	1005	1005	186	23
BIG LAKE	REAGAN	COLORADO	MUN	60083000	F	83	56	192	14
COUNTY-OTHER	REAGAN	COLORADO	MUN	60996192	F	996	757	192	14
COUNTY-OTHER	REAGAN	RIO GRANDE	MUN	60996192	F	996	757	192	23
MANUFACTURING	REAGAN	COLORADO	MFG	61001192	F	1001	1001	192	14
MANUFACTURING	REAGAN	RIO GRANDE	MFG	61001192	F	1001	1001	192	23
STEAM ELECTRIC POWER	REAGAN	COLORADO	PWR	61002192	F	1002	1002	192	14
STEAM ELECTRIC POWER	REAGAN	RIO GRANDE	PWR	61002192	F	1002	1002	192	23
MINING	REAGAN	COLORADO	MIN	61003192	F	1003	1003	192	14
MINING	REAGAN	RIO GRANDE	MIN	61003192	F	1003	1003	192	23
IRRIGATION	REAGAN	COLORADO	IRR	61004192	F	1004	1004	192	14
IRRIGATION	REAGAN	RIO GRANDE	IRR	61004192	F	1004	1004	192	23
LIVESTOCK	REAGAN	COLORADO	STK	61005192	F	1005	1005	192	14
LIVESTOCK	REAGAN	RIO GRANDE	STK	61005192	F	1005	1005	192	23
BALMORHEA	REEVES	RIO GRANDE	MUN	60052000	F	52	818	195	23
PECOS	REEVES	RIO GRANDE	MUN	60687000	F	687	460	195	23
TOYAH	REEVES	RIO GRANDE	MUN		F			195	23
COUNTY-OTHER	REEVES	RIO GRANDE	MUN	60996195	F	996	757	195	23
MANUFACTURING	REEVES	RIO GRANDE	MFG	61001195	F	1001	1001	195	23
STEAM ELECTRIC POWER	REEVES	RIO GRANDE	PWR	61002195	F	1002	1002	195	23

MINING	REEVES	RIO GRANDE	MIN	61003195	F	1003	1003	195	23
IRRIGATIO N	REEVES	RIO GRANDE	IRR	61004195	F	1004	1004	195	23
LIVESTOC K	REEVES	RIO GRANDE	STK	61005195	F	1005	1005	195	23
BALLINGE R	RUNNELS	COLORAD O	MUN	60051000	F	51	35	200	14
MILES	RUNNELS	COLORAD O	MUN	60597000	F	597	915	200	14
WINTERS	RUNNELS	COLORAD O	MUN	60982000	F	982	662	200	14
COUNTY- OTHER	RUNNELS	COLORAD O	MUN	60996200	F	996	757	200	14
MANUFAC TURING	RUNNELS	COLORAD O	MFG	61001200	F	1001	1001	200	14
STEAM ELECTRIC POWER	RUNNELS	COLORAD O	PWR	61002200	F	1002	1002	200	14
MINING	RUNNELS	COLORAD O	MIN	61003200	F	1003	1003	200	14
IRRIGATIO N	RUNNELS	COLORAD O	IRR	61004200	F	1004	1004	200	14
LIVESTOC K	RUNNELS	COLORAD O	STK	61005200	F	1005	1005	200	14
ELDORAD O	SCHLEICH ER	COLORAD O	MUN	60276000	F	276	186	207	14
COUNTY- OTHER	SCHLEICH ER	COLORAD O	MUN	60996207	F	996	757	207	14
COUNTY- OTHER	SCHLEICH ER	RIO GRANDE	MUN	60996207	F	996	757	207	23
MANUFAC TURING	SCHLEICH ER	COLORAD O	MFG	61001207	F	1001	1001	207	14
MANUFAC TURING	SCHLEICH ER	RIO GRANDE	MFG	61001207	F	1001	1001	207	23
STEAM ELECTRIC POWER	SCHLEICH ER	COLORAD O	PWR	61002207	F	1002	1002	207	14
STEAM ELECTRIC POWER	SCHLEICH ER	RIO GRANDE	PWR	61002207	F	1002	1002	207	23
MINING	SCHLEICH ER	COLORAD O	MIN	61003207	F	1003	1003	207	14
MINING	SCHLEICH ER	RIO GRANDE	MIN	61003207	F	1003	1003	207	23
IRRIGATIO N	SCHLEICH ER	COLORAD O	IRR	61004207	F	1004	1004	207	14
IRRIGATIO N	SCHLEICH ER	RIO GRANDE	IRR	61004207	F	1004	1004	207	23
LIVESTOC K	SCHLEICH ER	COLORAD O	STK	61005207	F	1005	1005	207	14
LIVESTOC K	SCHLEICH ER	RIO GRANDE	STK	61005207	F	1005	1005	207	23
SNYDER	SCURRY	COLORAD O	MUN	60837000	F	837	565	208	14
COUNTY- OTHER	SCURRY	BRAZOS	MUN	60996208	F	996	757	208	12

COUNTY-OTHER	SCURRY	COLORADO	MUN	60996208	F	996	757	208	14
MANUFACTURING	SCURRY	BRAZOS	MFG	61001208	F	1001	1001	208	12
MANUFACTURING	SCURRY	COLORADO	MFG	61001208	F	1001	1001	208	14
STEAM ELECTRIC POWER	SCURRY	BRAZOS	PWR	61002208	F	1002	1002	208	12
STEAM ELECTRIC POWER	SCURRY	COLORADO	PWR	61002208	F	1002	1002	208	14
MINING	SCURRY	BRAZOS	MIN	61003208	F	1003	1003	208	12
MINING	SCURRY	COLORADO	MIN	61003208	F	1003	1003	208	14
IRRIGATION	SCURRY	BRAZOS	IRR	61004208	F	1004	1004	208	12
IRRIGATION	SCURRY	COLORADO	IRR	61004208	F	1004	1004	208	14
LIVESTOCK	SCURRY	BRAZOS	STK	61005208	F	1005	1005	208	12
LIVESTOCK	SCURRY	COLORADO	STK	61005208	F	1005	1005	208	14
STERLING CITY	STERLING	COLORADO	MUN	60860000	F	860	581	216	14
COUNTY-OTHER	STERLING	COLORADO	MUN	60996216	F	996	757	216	14
MANUFACTURING	STERLING	COLORADO	MFG	61001216	F	1001	1001	216	14
STEAM ELECTRIC POWER	STERLING	COLORADO	PWR	61002216	F	1002	1002	216	14
MINING	STERLING	COLORADO	MIN	61003216	F	1003	1003	216	14
IRRIGATION	STERLING	COLORADO	IRR	61004216	F	1004	1004	216	14
LIVESTOCK	STERLING	COLORADO	STK	61005216	F	1005	1005	216	14
SONORA	SUTTON	RIO GRANDE	MUN	60841000	F	841	567	218	23
COUNTY-OTHER	SUTTON	COLORADO	MUN	60996218	F	996	757	218	14
COUNTY-OTHER	SUTTON	RIO GRANDE	MUN	60996218	F	996	757	218	23
MANUFACTURING	SUTTON	COLORADO	MFG	61001218	F	1001	1001	218	14
MANUFACTURING	SUTTON	RIO GRANDE	MFG	61001218	F	1001	1001	218	23
STEAM ELECTRIC POWER	SUTTON	COLORADO	PWR	61002218	F	1002	1002	218	14
STEAM ELECTRIC POWER	SUTTON	RIO GRANDE	PWR	61002218	F	1002	1002	218	23
MINING	SUTTON	COLORADO	MIN	61003218	F	1003	1003	218	14

MINING	SUTTON	RIO GRANDE	MIN	61003218	F	1003	1003	218	23
IRRIGATIO N	SUTTON	COLORAD O	IRR	61004218	F	1004	1004	218	14
IRRIGATIO N	SUTTON	RIO GRANDE	IRR	61004218	F	1004	1004	218	23
LIVESTOC K	SUTTON	COLORAD O	STK	61005218	F	1005	1005	218	14
LIVESTOC K	SUTTON	RIO GRANDE	STK	61005218	F	1005	1005	218	23
SAN ANGELO	TOM GREEN	COLORAD O	MUN	60788000	F	788	529	226	14
COUNTY- OTHER	TOM GREEN	COLORAD O	MUN	60996226	F	996	757	226	14
MANUFAC TURING	TOM GREEN	COLORAD O	MFG	61001226	F	1001	1001	226	14
STEAM ELECTRIC POWER	TOM GREEN	COLORAD O	PWR	61002226	F	1002	1002	226	14
MINING	TOM GREEN	COLORAD O	MIN	61003226	F	1003	1003	226	14
IRRIGATIO N	TOM GREEN	COLORAD O	IRR	61004226	F	1004	1004	226	14
LIVESTOC K	TOM GREEN	COLORAD O	STK	61005226	F	1005	1005	226	14
MCCAMEY	UPTON	RIO GRANDE	MUN	60575000	F	575	377	231	23
RANKIN	UPTON	RIO GRANDE	MUN	60736000	F	736	494	231	23
COUNTY- OTHER	UPTON	COLORAD O	MUN	60996231	F	996	757	231	14
COUNTY- OTHER	UPTON	RIO GRANDE	MUN	60996231	F	996	757	231	23
MANUFAC TURING	UPTON	COLORAD O	MFG	61001231	F	1001	1001	231	14
MANUFAC TURING	UPTON	RIO GRANDE	MFG	61001231	F	1001	1001	231	23
STEAM ELECTRIC POWER	UPTON	COLORAD O	PWR	61002231	F	1002	1002	231	14
STEAM ELECTRIC POWER	UPTON	RIO GRANDE	PWR	61002231	F	1002	1002	231	23
MINING	UPTON	COLORAD O	MIN	61003231	F	1003	1003	231	14
MINING	UPTON	RIO GRANDE	MIN	61003231	F	1003	1003	231	23
IRRIGATIO N	UPTON	COLORAD O	IRR	61004231	F	1004	1004	231	14
IRRIGATIO N	UPTON	RIO GRANDE	IRR	61004231	F	1004	1004	231	23
LIVESTOC K	UPTON	COLORAD O	STK	61005231	F	1005	1005	231	14
LIVESTOC K	UPTON	RIO GRANDE	STK	61005231	F	1005	1005	231	23
BARSTOW	WARD	RIO GRANDE	MUN	60056000	F	56	819	238	23

GRANDFALLS	WARD	RIO GRANDE	MUN	60355000	F	355	874	238	23
MONAHANS	WARD	RIO GRANDE	MUN	60604000	F	604	410	238	23
THORNTONVILLE	WARD	RIO GRANDE	MUN	60895000	F	895	971	238	23
WICKETT	WARD	RIO GRANDE	MUN	60971000	F	971	992	238	23
COUNTY-OTHER	WARD	RIO GRANDE	MUN	60996238	F	996	757	238	23
MANUFACTURING	WARD	RIO GRANDE	MFG	61001238	F	1001	1001	238	23
STEAM ELECTRIC POWER	WARD	RIO GRANDE	PWR	61002238	F	1002	1002	238	23
MINING	WARD	RIO GRANDE	MIN	61003238	F	1003	1003	238	23
IRRIGATION	WARD	RIO GRANDE	IRR	61004238	F	1004	1004	238	23
LIVESTOCK	WARD	RIO GRANDE	STK	61005238	F	1005	1005	238	23
KERMIT	WINKLER	RIO GRANDE	MUN	60467000	F	467	319	248	23
WINK	WINKLER	RIO GRANDE	MUN	60979000	F	979	659	248	23
COUNTY-OTHER	WINKLER	COLORADO	MUN	60996248	F	996	757	248	14
COUNTY-OTHER	WINKLER	RIO GRANDE	MUN	60996248	F	996	757	248	23
MANUFACTURING	WINKLER	COLORADO	MFG	61001248	F	1001	1001	248	14
MANUFACTURING	WINKLER	RIO GRANDE	MFG	61001248	F	1001	1001	248	23
STEAM ELECTRIC POWER	WINKLER	COLORADO	PWR	61002248	F	1002	1002	248	14
STEAM ELECTRIC POWER	WINKLER	RIO GRANDE	PWR	61002248	F	1002	1002	248	23
MINING	WINKLER	COLORADO	MIN	61003248	F	1003	1003	248	14
MINING	WINKLER	RIO GRANDE	MIN	61003248	F	1003	1003	248	23
IRRIGATION	WINKLER	COLORADO	IRR	61004248	F	1004	1004	248	14
IRRIGATION	WINKLER	RIO GRANDE	IRR	61004248	F	1004	1004	248	23
LIVESTOCK	WINKLER	COLORADO	STK	61005248	F	1005	1005	248	14
LIVESTOCK	WINKLER	RIO GRANDE	STK	61005248	F	1005	1005	248	23

h1996	d2000	d2010	d2020	d2030	d2040	d2050
2616	2,924	3,094	3,178	3,236	3,239	3,277
800	578	557	535	521	511	487
10	6	5	5	5	5	4
47	36	38	39	39	45	51
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3192	4,221	2,497	1,486	1,140	923	866
120	143	149	168	188	211	237
13783	18,931	18,773	18,616	18,459	18,301	18,144
0	0	0	0	0	0	0
344	355	355	355	355	355	355
76	79	79	79	79	79	79
99	48	44	39	33	28	24
5	5	5	4	3	3	2
65	70	67	57	46	39	32
0	0	0	0	0	0	0
1	48	57	68	80	94	109
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
990	934	778	701	677	665	672
1636	3,961	3,956	3,951	3,945	3,940	3,935
3430	5,701	5,693	5,685	5,678	5,670	5,662
11	11	11	11	11	11	11
268	264	264	264	264	264	264

197	273	263	249	243	236	234
3707	4,502	4,463	4,335	4,280	4,205	4,167
518	548	577	598	621	631	650
6	9	10	10	11	11	11
1622	2,446	2,632	2,758	2,881	2,892	2,836
0	0	0	0	0	0	0
501	485	524	567	608	660	714
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5	5	5	5	6	6	6
2422	295	273	191	171	144	128
0	0	0	0	0	0	0
12085	10,526	10,491	10,455	10,420	10,384	10,348
46	35	35	35	35	35	35
2012	1,563	1,563	1,563	1,563	1,563	1,563
385	228	224	214	209	208	206
193	399	391	377	371	369	368
206	178	178	171	175	171	172
0	0	0	0	0	0	0
581	835	835	835	835	835	835
304	261	218	159	121	93	74
665	667	666	666	665	664	664
454	722	722	722	722	722	722
1375	1,387	1,340	1,284	1,255	1,244	1,238
137	258	244	230	225	219	219
400	414	403	378	361	359	355
1	1	1	2	2	2	3

0	0	0	0	0	0	0
16	15	16	16	17	17	17
1379	1,376	1,364	1,353	1,341	1,330	1,319
1777	1,361	1,361	1,361	1,361	1,361	1,361
457	530	531	529	531	533	545
364	269	261	255	252	238	254
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4756	7,082	7,054	7,026	6,998	6,970	6,943
591	959	959	959	959	959	959
787	771	842	882	934	961	1,007
227	555	602	631	669	689	709
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2585	2,726	2,102	1,859	1,757	1,738	1,759
22	337	337	337	337	337	337
135	145	145	145	145	145	145
1582	1,647	1,663	1,668	1,675	1,681	1,695
5	5	5	5	5	5	6
210	221	219	220	234	234	239
0	0	0	0	0	0	0
0	6	8	10	11	15	17
0	0	0	0	0	0	0
1267	1,914	4,280	4,280	4,280	4,280	4,280
0	0	0	0	0	0	0

398	402	280	226	202	185	190
0	0	0	0	0	0	0
374	439	432	424	417	410	403
17	29	29	29	29	29	29
571	959	959	959	959	959	959
20174	21,599	22,821	24,198	26,561	28,229	30,364
4693	5,257	5,508	5,727	6,135	6,437	6,168
48	55	58	60	64	68	65
2103	2,082	2,262	2,334	2,376	2,516	2,635
19	70	77	79	81	86	90
0	6,700	6,700	6,700	6,700	6,700	6,700
0	0	0	0	0	0	0
7213	7,470	7,151	6,748	6,552	6,458	6,418
120	143	143	144	145	146	147
6971	8,516	8,415	8,315	8,215	8,115	8,015
445	86	85	84	83	82	81
169	149	149	149	149	149	149
79	69	69	69	69	69	69
42	43	43	42	42	41	41
156	160	167	169	169	168	170
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7	5	3	1	1	0	0
55187	68,521	67,979	67,437	66,895	66,353	65,810
159	241	241	241	241	241	241
5146	7,092	7,045	6,846	6,798	6,715	6,732
138	174	172	165	160	154	155

1318	1,422	1,521	1,565	1,538	1,529	1,545
1668	2,344	2,540	2,677	2,788	3,020	3,244
1303	1,380	1,380	1,380	1,380	1,380	1,380
1816	452	431	421	426	431	440
1273	4,724	4,671	4,618	4,565	4,512	4,459
244	396	396	396	396	396	396
116	125	125	120	116	115	114
104	130	129	123	120	116	115
0	0	0	0	0	0	0
0	0	0	0	0	0	0
129	6	5	3	2	2	2
2959	3,296	3,227	3,157	3,087	3,018	2,948
322	487	487	487	487	487	487
862	940	924	894	883	878	877
211	217	230	227	223	218	219
416	1,637	1,777	1,849	1,909	2,067	2,229
0	0	0	0	0	0	0
91	105	100	99	98	100	103
1020	1,128	1,089	1,049	1,009	970	930
425	564	564	564	564	564	564
6	7	5	4	3	3	2
6	6	6	5	4	4	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	3	2	3	3	3	3
583	582	580	578	576	574	572

54	65	65	65	65	65	65
1750	1,928	1,871	1,827	1,803	1,779	1,775
988	987	950	916	901	888	885
831	844	903	963	1,027	1,090	1,153
0	0	0	0	0	0	0
140	146	152	158	164	170	176
1563	2,964	2,928	2,891	2,855	2,818	2,782
749	1,229	1,229	1,229	1,229	1,229	1,229
382	399	406	404	395	382	378
330	308	310	306	297	284	273
31	32	35	36	36	38	40
0	0	0	0	0	0	0
852	1,228	1,015	990	987	978	1,006
12641	14,221	13,976	13,731	13,486	13,241	12,997
261	436	436	436	436	436	436
766	783	760	735	726	718	715
185	198	196	186	182	177	175
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	12	8	4	1	0	0
10358	17,501	17,255	17,009	16,763	16,517	16,271
952	1,507	1,507	1,507	1,507	1,507	1,507
309	346	333	325	317	309	308
95	76	71	66	61	58	58
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
4173	6,080	6,061	6,041	6,021	6,002	5,982
471	586	586	586	586	586	586
26501	28,679	31,637	34,142	37,574	41,571	46,667
116	51	55	57	62	69	77
2769	2,991	2,861	2,786	2,825	2,909	2,562
206	148	161	174	188	201	216
0	0	0	0	0	0	0
656	669	318	159	80	26	0
53339	66,574	66,061	65,548	65,034	64,521	64,008
703	744	744	744	744	744	744
1170	1,818	1,768	1,707	1,641	1,581	1,542
102	121	112	101	94	92	92
1	1	1	1	1	0	0
436	358	342	326	305	281	262
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4071	4,000	4,400	5,280	6,336	7,603	9,124
0	0	0	0	0	0	0
141	223	106	53	26	9	0
25	0	0	0	0	0	0
1051	2,238	2,226	2,215	2,204	2,193	2,182
0	0	0	0	0	0	0
389	530	530	530	530	530	530
3171	2,892	3,047	3,086	3,101	3,092	3,108

393	525	580	600	616	627	642
1025	730	746	733	722	705	671
4	7	8	10	11	13	15
0	6	6	6	6	6	6
264	322	267	263	266	270	277
76442	82,458	81,190	79,921	78,652	77,383	76,114
1145	1,351	1,351	1,351	1,351	1,351	1,351
668	880	921	942	945	1,032	1,140
107	115	119	120	119	128	86
1	1	1	1	1	2	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1742	1,589	1,524	1,474	1,427	1,439	1,481
0	0	0	0	0	0	0
44188	46,697	45,937	45,177	44,417	43,657	42,897
0	0	0	0	0	0	0
149	162	162	162	162	162	162
11	12	12	12	12	12	12
166	97	90	83	76	68	62
2362	3,030	3,155	3,233	3,291	3,325	3,397
109	102	102	102	102	102	102
357	773	817	844	867	882	868
1391	12	13	13	13	14	15
0	0	0	0	0	0	0

213	175	136	116	113	112	115
100306	105,831	104,942	104,053	103,164	102,274	101,385
2103	2,254	2,254	2,254	2,254	2,254	2,254
915	912	917	885	875	869	894
98	129	124	117	111	103	99
560	550	552	562	582	603	632
519	458	454	483	526	569	612
58	47	56	68	80	95	112
0	0	0	0	0	0	0
41	35	28	26	25	25	25
7259	7,250	7,221	7,191	7,161	7,132	7,102
1977	1,716	1,716	1,716	1,716	1,716	1,716
447	465	484	486	486	484	488
116	101	98	94	89	84	80
35	31	30	28	27	25	24
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
150	147	125	107	104	102	105
0	0	0	0	0	0	0
1176	1,500	1,471	1,442	1,412	1,383	1,353
435	307	301	295	289	283	277
483	440	440	440	440	440	440
168	154	154	154	154	154	154
2749	3,035	3,122	3,160	3,214	3,240	3,303
197	195	193	186	182	174	175

635	631	622	600	586	562	566
0	0	0	0	0	0	0
0	112	392	392	392	392	392
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1915	2,668	2,307	2,155	2,135	2,157	2,219
889	1,026	812	765	732	712	715
245	931	901	871	842	812	783
1293	2,394	2,318	2,242	2,165	2,089	2,013
266	355	355	355	355	355	355
453	604	604	604	604	604	604
239	273	288	294	298	299	303
49	42	41	39	38	35	27
0	0	0	0	0	0	0
0	0	0	0	0	0	0
562	570	422	405	397	393	396
697	886	851	817	782	748	714
333	571	571	571	571	571	571
1148	1,114	1,196	1,235	1,256	1,269	1,290
41	50	47	44	39	35	30
227	274	260	245	218	195	169
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
33	35	36	37	38	39	40

42	46	45	44	45	45	46
475	697	684	671	658	645	632
1786	1,551	1,522	1,493	1,464	1,435	1,406
216	314	314	314	314	314	314
259	376	376	376	376	376	376
19352	24,693	26,607	28,273	29,450	31,733	34,368
2660	2,473	2,624	2,636	3,244	3,435	3,421
508	718	777	832	889	976	1,064
272	1,020	3,680	3,680	3,680	3,680	3,680
150	79	81	84	87	90	93
54146	120,102	119,808	119,515	119,221	118,928	118,634
2211	2,124	2,124	2,124	2,124	2,124	2,124
517	579	607	612	603	586	576
179	236	259	259	262	263	267
46	61	61	60	61	61	60
101	132	132	130	131	132	130
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2267	1,817	1,362	1,282	1,266	1,281	1,319
614	588	525	510	491	481	494
18315	19,824	19,547	19,270	18,994	18,717	18,440
185	0	0	0	0	0	0
64	39	39	39	39	39	39
114	67	67	67	67	67	67
289	103	92	80	72	69	67

194	216	204	187	179	177	179
2642	2,839	2,874	2,819	2,728	2,585	2,495
172	164	155	143	134	122	114
142	218	197	174	168	163	159
509	568	632	673	667	639	597
5	4	4	5	6	6	7
5749	5,500	6,050	7,260	8,712	10,454	12,545
160	635	495	318	231	190	194
8808	11,273	11,136	10,999	10,862	10,725	10,588
94	293	293	293	293	293	293
1839	2,387	2,467	2,491	2,492	2,489	2,505
334	339	354	360	361	360	363
1	1	1	1	1	1	1
108	147	146	145	143	141	110
0	0	0	0	0	0	0
0	8	10	11	12	14	17
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1437	2,040	1,779	1,605	1,436	1,360	1,398
0	0	0	0	0	0	0
0	1,500	1,500	1,500	1,500	1,500	1,500
1	2	2	2	2	2	2
76	190	190	190	190	190	190
709906	881,496	884,292	883,374	887,018	892,374	900,230

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 3

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

For review purposes, TWDB staff developed annotated review worksheets that parallel the original worksheets filed with the Initially Prepared Plan [IPP]. The comments to be addressed by the RWPG are noted under the column entitled TWDB REVIEW COMMENTS.

TWDB staff highlighted those fields in the worksheet where data entries may need correction or clarification, as noted under the TWDB REVIEW COMMENTS column.

Also, cells in bold represent revisions performed by TWDB staff. Those revisions represent random review of cells and the corrections performed by TWDB staff. Please contact TWDB staff to discuss any need for additional clarification in those specific cases.

The worksheets have been slightly modified for quality assurance purposes and to reflect the table structure needed for database development. Thus, any additional non-essential fields that were provided in the original table were moved to the far right end of the worksheet. Also, any comments or footnotes made or included in the original worksheet were moved to a field entitled RWPG Comments. Also note that any totals, subtotals, extra headers, etc. were deleted. Merged fields have been adjusted as needed.

Data received by TWDB from CRMWD in 1997 shows the following associations between recipient and TWDB alpha numbers for CRMWD:

Recipient Name	Recipient Alpha	CRMWD Alpha number associated with supply source						
		Spence	Ivie	Thomas	Scurry	Martin	Ector	Ward
Big Spring	73950	168403	168404	168402		168410		
Grandfalls	335400							168445
Midland	565400	168403	168404			168410		
Odessa	619550		168404			168410	168430	168445
Pyote	703800							168445
Robert Lee	733500	168403						
San Angelo	764157	168403	168404					
Snyder	804150			168402	168400			
Stanton	823400		168404					168445
Power Resources	695625	168403	168404					

Using the above table as a guide, Big Spring should be listed in 4 records in Table 3 referencing the following alpha numbers: 168403, 168404,168402, and 168410. Please contact TWDB staff if further assistance is needed.

Alpha number 168407 has been issued to replace references in the Exhibit B tables to CRMWD alpha number 168406.

Table 3 Water Demands by MWP

Major Water Provider Name	Recipient of Water	Recipient's City Name	Recipient's County Name	Recipient Basin Name	Recipient Data Cat	MWP # (TWDB Alpha #)	Recipient User # (TWDB Alpha #)	Recipient Water User Group Identifier	RWPG	Recipient Sequence Number	Recipient City #	Recipient County #	Recipient Basin #	1996 Demand Value	Projected 2000 Demand (AF/Y)	Projected 2010 Demand (AF/Y)	Projected 2020 Demand (AF/Y)	Projected 2030 Demand (AF/Y)	Projected 2040 Demand (AF/Y)	Projected 2050 Demand (AF/Y)	Comments
BCWID	Bangs	Bangs	Brown	Colorado	MUN	450	51700	60054000	F	54	37	25	14	197	273	263	249	243	236	234	No contract amount, set to projections
BCWID	Brownwood	Brownwood	Brown	Colorado	MUN	450	100600	60120000	F	120	81	25	14	3,707	4,502	4,463	4,335	4,280	4,205	4,167	No contract amount, set to projections
BCWID	Brookesmith WSC, Zephyr WSC, Thunderbird Bay	County Other	Brown	Colorado	MUN	450	98360	60996025	F	996	757	25	14	953	1,843	1,843	1,843	1,843	1,843	1,843	Contract amount. Includes Brookesmith WSC, Zephyr WSC, Thunderbird Bay
BCWID	Early	Early	Brown	Colorado	MUN	450	247400	60259000	F	259	174	25	14	518	548	577	598	621	631	650	demands for Early
BCWID	District Irrigation and Irrigation Contracts	Irrigation	Brown	Colorado	IRR	450		61004025	F	1004	1004	25	14	3,525	6,842	6,819	6,796	6,773	6,750	6,726	65% of irrigation projections
BCWID	Brownwood and Bangs	Manufacturing	Brown	Colorado	MFG	450		61001025	F	1001	1001	25	14	472	470	508	550	590	640	693	97% of manufacturing projections
BCWID	County-Other	County-Other	Coleman	Colorado	MUN	450		60996042	F	996	757	42	14		9	12	12	11	11	11	Via Brookesmith
BCWID	Santa Anna	Santa Anna	Coleman	Colorado	MUN	450	771500	60803000	F	803	540	42	14	137	258	244	230	225	219	219	demands for Santa Anna
CRMWD	San Angelo	San Angelo	Tom Green	Colorado	MUN	168403	764157	60788000	F	788	529	226	14	5	3,000	3,000	3,000	3,000	3,000	3,000	Contract for water from Spence Reservoir
CRMWD	Midland	Midland	Midland	Colorado	MUN	168404	565400	60595000	F	595	404	165	14	14,621	15,000	15,000	15,000	15,000	15,000	15,000	Contract for water from Ivie Reservoir
CRMWD	WCTMWD	Abilene	Taylor	Brazos	MUN	168404	6650	070002000	G	2	2	221	12	0	15,000	15,000	15,000	15,000	15,000	15,000	Contract for water from Ivie Reservoir
CRMWD	San Angelo	San Angelo	Tom Green	Colorado	MUN	168404	764157	60788000	F	788	529	226	14	1,179	15,000	15,000	15,000	15,000	15,000	15,000	Contract for water from Ivie Reservoir
CRMWD	County-Other	County-Other	Borden	Colorado	MUN	168408		060996017	F	996	757	17	14		11	11	11	11	11	11	
CRMWD	County-Other	County-Other	Coke	Colorado	MUN	168408		060996041	F	996	757	41	14		120	120	120	120	120	120	Sales From Robert Lee
CRMWD	Robert Lee	Robert Lee	Coke	Colorado	MUN	168408	733500	060759000	F	759	506	41	14	269	350	350	350	350	350	350	
CRMWD	County-Other	County-Other	Ector	Colorado	MUN	168408		60996068	F	996	757	68	14		1,892	1,983	2,063	2,210	2,413	2,220	50% Of County Other Demand, From Odessa
CRMWD	Manufacturing	Manufacturing	Ector	Colorado	MFG	168408		61001068	F	1001	1001	68	14		749	814	841	855	906	950	Table 3 Demands
CRMWD	Odessa	Odessa	Ector	Colorado	MUN	168408	619550	60652000	F	652	438	68	14		15,551	16,709	18,030	20,299	21,899	23,945	Demands From Spence, Ivie And Thomas
CRMWD	Big Spring	Big Spring	Howard	Colorado	MUN	168408	73950	60085000	F	85	58	114	14		6,950	6,904	6,709	6,662	6,581	6,597	Projections Minus Ground Water Use
CRMWD	Coahoma	Coahoma	Howard	Colorado	MUN	168408	163460	60181000	F	181	120	114	14		171	169	162	157	151	152	Table 3
CRMWD	Big Spring customers	County-Other	Howard	Colorado	MUN	168408		60996114	F	996	757	114	14		488	521	537	527	524	530	35% Of County Other
CRMWD	Big Spring et al	Manufacturing	Howard	Colorado	MFG	168408		61001114	F	1001	1001	114	14		1,723	1,867	1,968	2,049	2,220	2,384	Sales from Big Spring
CRMWD	Power Resources	Steam Electric Power	Howard	Colorado	PWR	168408	695625	61002114	F	1002	1002	114	14		1,380	1,380	1,380	1,380	1,380	1,380	demands for Howard Co.
CRMWD	County-Other	County-Other	Martin	Colorado	MUN	168408		60996159	F	996	757	159	14		8	8	8	8	8	8	Historical Use (Sales From Stanton)
CRMWD	Stanton	Stanton	Martin	Colorado	MUN	168408	823400	60858000	F	858	579	159	14		379	386	384	375	362	358	Set To Demands Less Ground water supply
CRMWD	Midland	Midland	Midland	Colorado	MUN	168408	565400	60595000	F	595	404	165	14	14,621	14,991	16,624	18,257	0	0	0	CRMWD 1966 contract less ground water supply. Expires 2029.
CRMWD	Odessa	Odessa	Midland	Colorado	MUN	168408	619550	60652000	F	652	438	165	14		51	55	57	62	69	77	Demands
CRMWD	Snyder customers	County-Other	Scurry	Colorado	MUN	168408		60996208	F	996	757	208	14		207	204	197	192	184	185	Sales From Synder
CRMWD	Snyder	Manufacturing	Scurry	Colorado	MFG	168408	804150	61001208	F	1001	1001	208	14		111	388	388	388	388	388	
CRMWD	Snyder	Snyder	Scurry	Colorado	MUN	168408	804150	60837000	F	837	565	208	14		3,005	3,091	3,128	3,182	3,208	3,270	Set To Demands Less City Wells
CRMWD	Rotan	Rotan	Fisher	Brazos	MUN	168408	745800	70775000	G	775	519	76	12		276	250	231	210	197	187	
CRMWD	Rotan	Manufacturing	Fisher	Brazos	MFG	168408	745800	71001076	G	1001	1001	76	12		16	17	19	21	23	25	
CRMWD	Rotan customers	County-Other	Fisher	Brazos	MUN	168408		70996076	G	996	757	76	12		152	140	131	122	115	108	

Table 3 Water Demands by MWP

Major Water Provider Name	Recipient of Water	Recipient's City Name	Recipient's County Name	Recipient Basin Name	Recipient Data Cat	MWP # (TWDB Alpha #)	Recipient User # (TWDB Alpha #)	Recipient Water User Group Identifier	RWPG	Recipient Sequence Number	Recipient City #	Recipient County #	Recipient Basin #	1996 Demand Value	Projected 2000 Demand (AF/Y)	Projected 2010 Demand (AF/Y)	Projected 2020 Demand (AF/Y)	Projected 2030 Demand (AF/Y)	Projected 2040 Demand (AF/Y)	Projected 2050 Demand (AF/Y)	Comments
CRMWD	Mining	Mining	Coke	Colorado	MIN	168407		61003042	F	1003	1003	42	14		104	87	64	48	37	30	40% of demands for Coke Co.
CRMWD	Mining	Mining	Mitchell	Colorado	MIN	168407		61003168	F	1003	1003	168	14		141	141	106	53	26	9	
CRMWD	Mining	Mining	Scurry	Colorado	MIN	168407		61003208	F	1003	1003	208	14		1,121	1,121	1,121	1,121	1,121	1,121	
CRMWD	Mining	Mining	Howard	Colorado	MIN	168405		61003114	F	1003	1003	114	14		407	388	379	383	388	396	90% of demands for Howard Co.
CRMWD	Odessa	Odessa	Ector	Colorado	MUN	168430	619550	60652000	F	652	438	68	14		432	456	484	510	510	510	Crmwd Ectorgw Field. Limited To 5,696 Available From Source
CRMWD	Snyder	Snyder	Scurry	Colorado	MUN	168400	804150	804150	F	837	565	208	14		30	31	32	32	32	33	City Wells
CRMWD	Odessa customers	County-Other	Ector	Colorado	MUN	168410		60996068	F	996	757	68	14		53	55	57	61	64	62	Martin County Well Field
CRMWD	Odessa	Manufacturing	Ector	Colorado	MFG	168410		61001068	F	1001	1001	68	14		21	23	23	24	25	26	Martin County Well Field
CRMWD	Odessa	Odessa	Ector	Colorado	MUN	168410	619550	60652000	F	652	438	68	14		400	400	400	531	565	607	Crmwd Gw Martin Field
CRMWD	Big Spring	Big Spring	Howard	Colorado	MUN	168410	73950	60085000	F	85	58	114	14		142	141	137	136	134	135	Crmwd Gw Martin Field
CRMWD	Coahoma	Coahoma	Howard	Colorado	MUN	168410	163460	60181000	F	181	120	114	14		3	3	3	3	3	3	Table 3, Martin County
CRMWD	Big Spring et al	Manufacturing	Howard	Colorado	MFG	168410		61001114	F	1001	1001	114	14		35	38	40	42	45	49	Sales from Big Spring
CRMWD	Midland	Midland	Midland	Colorado	MUN	168410	565400	60595000	F	595	404	165	14	192	306	340	373	0	0	0	Crmwd Gw Martin Field
CRMWD	Odessa customers	County-Other	Ector	Colorado	MUN	168445		60996068	F	996	757	68	14		660	660	660	660	660	660	Ward County Well Field, Limited By Source
CRMWD	Odessa	Manufacturing	Ector	Colorado	MFG	168445		61001068	F	1001	1001	68	14		250	250	250	250	250	250	Ward County Well Field (limited to supply)
CRMWD	County-Other	County-Other	Ward	Rio Grande	MUN	168445		60996238	F	996	757	238	23		142	158	168	167	160	149	CRMWD Ward Well Field. 25% of County-other demands.
CRMWD	Grandfalls	Grandfalls	Ward	Rio Grande	MUN	168445	335400	60355000	F	355	874	238	23		216	204	187	179	177	179	CRMWD Ward Well Field. Limited To 18,304 Available From Source. Used Demands

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 4

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

For review purposes, TWDB staff developed annotated review worksheets that parallel the original worksheets filed with the Initially Prepared Plan [IPP]. The comments to be addressed by the RWPG are noted under the column entitled TWDB REVIEW COMMENTS.

TWDB staff highlighted those fields in the worksheet where data entries may need correction or clarification, as noted under the TWDB REVIEW COMMENTS column.

Also, cells in bold represent revisions performed by TWDB staff. Those revisions represent random review of cells and the corrections performed by TWDB staff. Please contact TWDB staff to discuss any need for additional clarification in those specific cases.

The worksheets have been slightly modified for quality assurance purposes and to reflect the table structure needed for database development. Thus, any additional non-essential fields that were provided in the original table were moved to the far right end of the worksheet. Also, any comments or footnotes made or included in the original worksheet were moved to a field entitled RWPG Comments. Also note that any totals, subtotals, extra headers, etc. were deleted. Merged fields have been adjusted as needed.

Table 4 Current Water Supplies

(Values in Acre-Feet per Year)

Name of Source	Type of Water Supply	Regional Water Planning Group	County Number for Supply Source	Basin Number for Supply Source	Specific Source Indentifier Number	Year 2000 Total Supply during Drought of Record	Year 2010 Total Supply during Drought of Record	Year 2020 Total Supply during Drought of Record	Year 2030 Total Supply during Drought of Record	Year 2040 Total Supply during Drought of Record	Year 2050 Total Supply during Drought of Record	RWPG Comments
J.B. Thomas	2	F		14	140A0	9,900	9,870	9,840	9,241	8,641	8,042	
E.V. Spence	2	F	41	14	140A0	38,776	38,688	38,600	38,530	38,460	38,390	
Ivie	2	F		14	140A0	96,169	95,174	94,180	93,397	92,613	91,830	
CRMWD System Additional Yield	2	F		14	140A0	0	0	0	0	0	0	
Colorado City	2	F	168	14	140C0	4,550	4,386	4,221	4,031	3,840	3,650	
Champion Creek	2	F	168	14	140C0	4,081	4,038	3,995	3,955	3,916	3,876	
Colorado/Champion System Yield	2	F	168	14	140C0	330	330	330	330	330	330	
Mountain Creek	0	F	41	14	14041	342	334	325	314	304	293	
Oak Creek	0	F	41	14	14050	5,684	5,534	5,383	5,251	5,119	4,987	
Ballinger/Moonen	0	F	200	14	14340	3,566	3,369	3,172	2,985	2,799	2,612	
Winters	0	F	200	14	14360	1,407	1,397	1,387	1,370	1,352	1,335	
Fisher	2	F	226	14	140D0	2,973	2,815	2,656	2,470	2,285	2,099	
Twin Buttes	2	F	226	14	140D0	8,900	8,850	8,800	8,700	8,600	8,500	
Nasworthy	2	F	226	14	140D0	7,900	7,800	7,700	7,650	7,600	7,550	
San Angelo System Additional Yield	2	F	226	14	140D0	2,127	2,110	2,092	2,064	2,035	2,007	
Coleman	0	F	42	14	14110	8,822	8,669	8,515	8,362	8,208	8,055	
Hords Creek	0	F	42	14	14100	1,425	1,412	1,400	1,389	1,379	1,368	
Brownwood	0	F	25	14	14140	41,800	41,000	40,200	39,400	38,800	38,200	
Brady Creek	0	F	154	14	14150	2,252	2,206	2,160	2,111	2,061	2,012	
Red Bluff	0	F		23	23140	31,000	31,000	31,000	31,000	31,000	31,000	
Irrigation	0	F	2	14	002996	125	125	125	125	125	125	TWDB IRLS numbers
Irrigation	0	F	17	12	017996	56	56	56	56	56	56	TWDB IRLS numbers
Irrigation	0	F	25	14	025996	3,256	3,256	3,256	3,256	3,256	3,256	TWDB IRLS numbers
Irrigation	0	F	41	14	041996	275	275	275	275	275	275	TWDB IRLS numbers
Irrigation	0	F	42	14	042996	2,310	2,310	2,310	2,310	2,310	2,310	TWDB IRLS numbers
Irrigation	0	F	48	14	048996	660	660	660	660	660	660	TWDB IRLS numbers
Irrigation	0	F	68	14	068996	1,800	1,800	1,800	1,800	1,800	1,800	TWDB IRLS numbers
Irrigation	0	F	114	14	114996	24	24	24	24	24	24	TWDB IRLS numbers
Irrigation	0	F	118	14	118996	1,980	1,980	1,980	1,980	1,980	1,980	TWDB IRLS numbers
Irrigation	0	F	134	14	134996	1,980	1,980	1,980	1,980	1,980	1,980	TWDB IRLS numbers

Table 4 Current Water Supplies
(Values in Acre-Feet per Year)

Name of Source	Type of Water Supply	Regional Water Planning Group	County Number for Supply Source	Basin Number for Supply Source	Specific Source Indentifier Number	Year 2000 Total Supply during Drought of Record	Year 2010 Total Supply during Drought of Record	Year 2020 Total Supply during Drought of Record	Year 2030 Total Supply during Drought of Record	Year 2040 Total Supply during Drought of Record	Year 2050 Total Supply during Drought of Record	RWPG Comments
Irrigation	0	F	154	14	154996	550	550	550	550	550	550	TWDB IRLS numbers
Irrigation	0	F	160	14	160996	550	550	550	550	550	550	TWDB IRLS numbers
Irrigation	0	F	164	14	164996	3,465	3,465	3,465	3,465	3,465	3,465	TWDB IRLS numbers
Irrigation	0	F	165	14	165996	1,400	1,400	1,400	1,400	1,400	1,400	TWDB IRLS numbers
Irrigation	0	F	168	14	168996	235	235	235	235	235	235	TWDB IRLS numbers
Irrigation	0	F	200	14	200996	5,500	5,500	5,500	5,500	5,500	5,500	TWDB IRLS numbers
Irrigation	0	F	208	14	208996	1,170	1,170	1,170	1,170	1,170	1,170	TWDB IRLS numbers
Irrigation	0	F	218	14	218996	475	475	475	475	475	475	Historical surface water use
Irrigation	0	F	226	14	226996	15,839	15,839	15,839	15,839	15,839	15,839	TWDB IRLS numbers
Stock Ponds	0	F	2	14	14997	73	73	73	73	73	73	
Stock Ponds	0	F	2	23	23997	16	16	16	16	16	16	
Stock Ponds	0	F	17	12	12997	15	15	15	15	15	15	
Stock Ponds	0	F	17	14	14997	372	372	372	372	372	372	
Stock Ponds	0	F	25	12	12997	41	41	41	41	41	41	
Stock Ponds	0	F	25	14	14997	1,811	1,811	1,811	1,811	1,811	1,811	
Stock Ponds	0	F	41	14	14997	542	542	542	542	542	542	
Stock Ponds	0	F	42	14	14997	1,579	1,579	1,579	1,579	1,579	1,579	
Stock Ponds	0	F	48	14	14997	171	171	171	171	171	171	
Stock Ponds	0	F	52	23	23997	9	9	9	9	9	9	
Stock Ponds	0	F	53	14	14997	6	6	6	6	6	6	
Stock Ponds	0	F	53	23	23997	153	153	153	153	153	153	
Stock Ponds	0	F	68	14	14997	10	10	10	10	10	10	
Stock Ponds	0	F	68	23	23997	5	5	5	5	5	5	
Stock Ponds	0	F	87	14	14997	42	42	42	42	42	42	
Stock Ponds	0	F	114	14	14997	73	73	73	73	73	73	
Stock Ponds	0	F	118	14	14997	86	86	86	86	86	86	
Stock Ponds	0	F	134	14	14997	98	98	98	98	98	98	
Stock Ponds	0	F	154	14	14997	205	205	205	205	205	205	
Stock Ponds	0	F	159	14	14997	79	79	79	79	79	79	
Stock Ponds	0	F	160	14	14997	628	628	628	628	628	628	
Stock Ponds	0	F	164	14	14997	113	113	113	113	113	113	
Stock Ponds	0	F	165	14	14997	182	182	182	182	182	182	
Stock Ponds	0	F	168	14	14997	455	455	455	455	455	455	
Stock Ponds	0	F	186	23	23997	57	57	57	57	57	57	
Stock Ponds	0	F	192	14	14997	42	42	42	42	42	42	
Stock Ponds	0	F	192	23	23997	3	3	3	3	3	3	
Stock Ponds	0	F	195	23	23997	106	106	106	106	106	106	
Stock Ponds	0	F	200	14	14997	1,779	1,779	1,779	1,779	1,779	1,779	
Stock Ponds	0	F	207	14	14997	100	100	100	100	100	100	
Stock Ponds	0	F	207	23	23997	35	35	35	35	35	35	
Stock Ponds	0	F	208	12	12997	266	266	266	266	266	266	
Stock Ponds	0	F	208	14	14997	453	453	453	453	453	453	

Table 4 Current Water Supplies
(Values in Acre-Feet per Year)

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Stock Ponds	0	F	216	14	14997	99	99	99	99	99	99	
Stock Ponds	0	F	218	14	14997	71	71	71	71	71	71	
Stock Ponds	0	F	218	23	23997	85	85	85	85	85	85	
Stock Ponds	0	F	226	14	14997	1,990	1,990	1,990	1,990	1,990	1,990	
Stock Ponds	0	F	231	14	14997	15	15	15	15	15	15	
Stock Ponds	0	F	231	23	23997	27	27	27	27	27	27	
Stock Ponds	0	F	238	23	23997	12	12	12	12	12	12	
Stock Ponds	0	F	248	23	23997	8	8	8	8	8	8	
Manufacturing Local Supply	0	F	17	14	14999	89	89	89	89	89	89	Rattlesnake Creek
Mining Local Supply	0	F	25	14	14999	2,274	2,274	2,274	2,274	2,274	2,274	gravel operations- local supply
Colorado River Diversions	0	F	41	14	3461401008C	7,000	7,000	7,000	7,000	7,000	7,000	Mitchell Reservoir and Colorado River Diversions (Water right #1008), Permitted under Spence permit for Coke Co. Used in Coke, Mitchell, and Scurry Counties.
Mining Local Supply	0	F	42	14	14999	16	16	16	16	16	16	Assumed from local supplies
Concho River	0	F	48	14	14999	67	67	67	67	67	67	1996 Paint Rock diversions. Wtr Rt # - 1388A
Mining Local Supply	0	F	52	23	23999	1,434	1,434	1,434	1,434	1,434	1,434	Historical use
Mining Local Supply	0	F	53	23	23999	361	361	361	361	361	361	1997 use
Beal Creek Diversion	0	F	114	14	3461401012	2,000	2,000	2,000	2,000	2,000	2,000	Beals Creek diversion (Water right #1012)
S. Llano River	0	F	134	14	14999	873	873	873	873	873	873	1996 City of Junction use (restrictions, WR is 1000) Wtr Rt # - 1570A
Manufacturing Local Supply	0	F	134	14	14999	649	649	649	649	649	649	1995 use, previous higher Wtr Rt # - 1600
San Saba River	0	F	164	14	14999	327	327	327	327	327	327	water right (Menard) on San Saba River = 1016, historical use - approx 350. Assume 1996 historical use is limiting factor Wtr Rt # - 1803A
Lake Balmorhea	0	F	195	23	23999	182	182	182	182	182	182	Lake Balmorhea. Wtr Rt # - 60
Cenozoic Pecos Alluvium	1	F	2	23	00203	1,504	1,504	1,504	1,504	1,504	1,504	
Dockum	1	F	2	14	00226	905	905	905	905	905	905	
Dockum	1	F	2	23	00226	5,792	5,792	5,792	5,792	5,792	5,792	
Edwards-Trinity Plateau	1	F	2	14	00213	1,221	1,221	1,221	1,221	1,221	1,221	
Ogallala	1	F	2	23	00221	4,333	4,333	4,333	4,333	4,333	4,333	

Table 4 Current Water Supplies
(Values in Acre-Feet per Year)

Name of Source	Type of Water Supply	Regional Water Planning Group	County Number for Supply Source	Basin Number for Supply Source	Specific Source Indentifier Number	Year 2000 Total Supply during Drought of Record	Year 2010 Total Supply during Drought of Record	Year 2020 Total Supply during Drought of Record	Year 2030 Total Supply during Drought of Record	Year 2040 Total Supply during Drought of Record	Year 2050 Total Supply during Drought of Record	RWPG Comments
Ogallala	1	F	2	14	00221	31,279	31,279	31,279	31,279	31,279	31,279	
Dockum	1	F	17	14	01726	117	117	117	117	117	117	
Ogallala	1	F	17	12	01721	108	108	108	108	108	108	
Ogallala	1	F	17	14	01721	782	782	782	782	782	782	
Other Aquifer	1	F	17	14	01722	1161	1,161	1,161	1,161	1,161	1,161	Historical Maximum Use
Other Aquifer	1	F	17	12	01722	2	2	2	2	2	2	Historical Maximum Use
Other Aquifer	1	F	25	14	02522	203	203	203	203	203	203	Historical Maximum Use
Other Aquifer	1	F	25	12	02522	10	10	10	10	10	10	Historical Maximum Use
Trinity	1	F	25	14	02528	2,026	2,026	2,026	2,026	2,026	2,026	
Dockum	1	F	41	14	04126	12	12	12	12	12	12	
Edwards-Trinity Plateau	1	F	41	14	04113	3,145	3,145	3,145	3,145	3,145	3,145	
Other Aquifer	1	F	41	14	04122	873	873	873	873	873	873	Historical Maximum Use
Other Aquifer	1	F	42	14	04222	179	179	179	179	179	179	Historical Maximum Use
Edwards-Trinity Plateau	1	F	48	14	04813	8,010	8,010	8,010	8,010	8,010	8,010	
Hickory	1	F	48	14	04816	14,299	14,299	14,299	14,299	14,299	14,299	
Lipan	1	F	48	14	04830	6,513	6,513	6,513	6,513	6,513	6,513	
Other Aquifer	1	F	48	14	04822	559	559	559	559	559	559	Historical Maximum Use
Cenozoic Pecos Alluvium	1	F	52	23	05203	3,000	3,000	3,000	3,000	3,000	3,000	
Edwards-Trinity Plateau	1	F	52	23	05213	5,139	5,139	5,139	5,139	5,139	5,139	
Other Aquifer	1	F	52	23	05222	134	134	134	134	134	134	
Edwards-Trinity Plateau	1	F	53	14	05313	2,157	2,157	2,157	2,157	2,157	2,157	
Edwards-Trinity Plateau	1	F	53	23	05313	82,426	82,426	82,426	82,426	82,426	82,426	
Cenozoic Pecos Alluvium	1	F	68	23	06803	2,645	2,645	2,645	2,645	2,645	2,645	Based on historical use
Dockum	1	F	68	14	06826	2,498	2,498	2,498	2,498	2,498	2,498	
Dockum	1	F	68	23	06826	3,479	3,479	3,479	3,479	3,479	3,479	
Edwards-Trinity Plateau	1	F	68	14	06813	5,696	5,696	5,696	5,696	5,696	5,696	
Edwards-Trinity Plateau	1	F	68	23	06813	681	681	681	681	681	681	
Ogallala	1	F	68	14	06821	5,849	5,849	5,849	5,849	5,849	5,849	Based on historical use
Ogallala	1	F	83	14	08321	368,700	348,807	329,988	312,227	295,381	279,444	
Dockum	1	F	87	14	08726	140	140	140	140	140	140	
Edwards-Trinity Plateau	1	F	87	14	08713	17,147	17,147	17,147	17,147	17,147	17,147	
Ogallala	1	F	87	14	08721	3,928	3,928	3,928	3,928	3,928	3,928	
Dockum	1	F	114	14	11426	900	900	900	900	900	900	
Edwards-Trinity Plateau	1	F	114	14	11413	1,667	1,667	1,667	1,667	1,667	1,667	
Ogallala	1	F	114	14	11421	10,409	10,409	10,409	10,409	10,409	10,409	
Edwards-Trinity Plateau	1	F	118	14	11813	19,133	19,133	19,133	19,133	19,133	19,133	

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Other Aquifer	1	F	118	14	11822	1,310	1,310	1,310	1,310	1,310	1,310	Historical Maximum Use
Balmorhea Alluvium	1	E	122	23	12222	96,000	94,000	92,000	90,000	88,000	86,000	
Edwards-Trinity Plateau	1	F	134	14	13413	26,734	26,734	26,734	26,734	26,734	26,734	
Ellenburger-San Saba	1	F	134	14	13414	216	216	216	216	216	216	
Cenozoic Pecos Alluvium	1	F	151	23	15103	8,226	8,226	8,226	8,226	8,226	8,226	
Dockum	1	F	151	23	15126	860	860	860	860	860	860	
Edwards-Trinity Plateau	1	F	159	14	15913	8,263	8,263	8,263	8,263	8,263	8,263	
Ogallala	1	F	159	14	15921	19,402	19,402	19,402	19,402	19,402	19,402	
Edwards-Trinity Plateau	1	F	160	14	16013	2,982	2,982	2,982	2,982	2,982	2,982	
Ellenburger-San Saba	1	F	160	14	16014	4,650	4,650	4,650	4,650	4,650	4,650	
Hickory	1	F	160	14	16016	76,492	76,492	76,492	76,492	76,492	76,492	
Other Aquifer	1	F	160	14	16022	218	218	218	218	218	218	
Edwards-Trinity Plateau	1	F	154	14	15413	4,970	4,970	4,970	4,970	4,970	4,970	
Ellenburger-San Saba	1	F	154	14	15414	16,522	16,522	16,522	16,522	16,522	16,522	
Hickory	1	F	154	14	15416	126,145	126,145	126,145	126,145	126,145	126,145	
Other Aquifer	1	F	154	14	15422	257	257	257	257	257	257	Historical Maximum Use
Edwards-Trinity Plateau	1	F	164	14	16413	19,133	19,133	19,133	19,133	19,133	19,133	
Ellenburger-San Saba	1	F	164	14	16414	159	159	159	159	159	159	
Other Aquifer	1	F	164	14	16422	234	234	234	234	234	234	Historical Maximum Use
Dockum	1	F	165	14	16526	45	45	45	45	45	45	
Edwards-Trinity Plateau	1	F	165	14	16513	13,632	13,632	13,632	13,632	13,632	13,632	
Ogallala	1	F	165	14	16521	4,667	4,667	4,667	4,667	4,667	4,667	75% rule
Dockum	1	F	168	14	16826	14,018	14,018	14,018	14,018	14,018	14,018	
Other Aquifer	1	F	168	14	16822	4	4	4	4	4	4	Historical Maximum Use
Cenozoic Pecos Alluvium	1	F	186	23	18603	20,408	20,408	20,408	20,408	20,408	20,408	Historical max
Dockum	1	F	186	23	18626	1,089	1,089	1,089	1,089	1,089	1,089	LBG avg pump rate
Edwards-Trinity Plateau	1	F	186	23	18613	126,615	126,615	126,615	126,615	126,615	126,615	
Other Aquifer	1	F	186	23	18622	1493	1,493	1,493	1,493	1,493	1,493	Historical Maximum Use
Dockum	1	F	192	23	19226	54	54	54	54	54	54	
Edwards-Trinity Plateau	1	F	192	14	19213	29,161	29,161	29,161	29,161	29,161	29,161	
Edwards-Trinity Plateau	1	F	192	23	19213	2,367	2,367	2,367	2,367	2,367	2,367	
Cenozoic Pecos Alluvium	1	F	195	23	19503	58,221	58,221	58,221	58,221	58,221	58,221	
Dockum	1	F	195	23	19526	3,065	3,065	3,065	3,065	3,065	3,065	
Edwards-Trinity Plateau	1	F	195	23	19513	83,048	83,048	83,048	83,048	83,048	83,048	
Other Aquifer	1	F	195	23	19522	100	100	100	100	100	100	
Lipan	1	F	200	14	20030	4,536	4,536	4,536	4,536	4,536	4,536	
Other Aquifer	1	F	200	14	20022	3,528	3,528	3,528	3,528	3,528	3,528	Historical Maximum Use
Edwards-Trinity Plateau	1	F	207	14	20713	26,145	26,145	26,145	26,145	26,145	26,145	
Edwards-Trinity Plateau	1	F	207	23	20713	8,508	8,508	8,508	8,508	8,508	8,508	
Dockum	1	F	208	12	20826	9,838	9,838	9,838	9,838	9,838	9,838	
Dockum	1	F	208	14	20826	6,385	6,385	6,385	6,385	6,385	6,385	

Table 4 Current Water Supplies
(Values in Acre-Feet per Year)

Name of Source	Type of Water Supply	Regional Water Planning Group	County Number for Supply Source	Basin Number for Supply Source	Specific Source Indentifier Number	Year 2000 Total Supply during Drought of Record	Year 2010 Total Supply during Drought of Record	Year 2020 Total Supply during Drought of Record	Year 2030 Total Supply during Drought of Record	Year 2040 Total Supply during Drought of Record	Year 2050 Total Supply during Drought of Record	RWPG Comments
Other Aquifer	1	F	208	12	20822	55	55	55	55	55	55	Historical Maximum Use
Other Aquifer	1	F	208	14	20822	230	230	230	230	230	230	Historical Maximum Use
Edwards-Trinity Plateau	1	F	216	14	21613	16,774	16,774	16,774	16,774	16,774	16,774	
Other Aquifer	1	F	216	14	21622	950	965	971	975	976	980	Historical Maximum Use
Edwards-Trinity Plateau	1	F	218	14	21813	17,355	17,355	17,355	17,355	17,355	17,355	
Edwards-Trinity Plateau	1	F	218	23	21813	21,183	21,183	21,183	21,183	21,183	21,183	
Dockum	1	F	226	14	22626	54	54	54	54	54	54	
Edwards-Trinity Plateau	1	F	226	14	22613	19,797	19,797	19,797	19,797	19,797	19,797	
Lipan	1	F	226	14	22630	37,486	37,486	37,486	37,486	37,486	37,486	
Other Aquifer	1	F	226	14	22622	10,907	10,907	10,907	10,907	10,907	10,907	Historical Maximum Use
Cenozoic Pecos Alluvium	1	F	231	23	23103	275	275	275	275	275	275	
Dockum	1	F	231	23	23126	797	797	797	797	797	797	
Edwards-Trinity Plateau	1	F	231	14	23113	14,566	14,566	14,566	14,566	14,566	14,566	
Edwards-Trinity Plateau	1	F	231	23	23113	18,331	18,331	18,331	18,331	18,331	18,331	
Cenozoic Pecos Alluvium	1	F	238	23	23803	18,304	18,304	18,304	18,304	18,304	18,304	
Dockum	1	F	238	23	23826	2,340	2,340	2,340	2,340	2,340	2,340	
Cenozoic Pecos Alluvium	1	F	248	23	24803	53,267	53,267	53,267	53,267	53,267	53,267	
Dockum	1	F	248	23	24826	10,746	10,746	10,746	10,746	10,746	10,746	
Edwards-Trinity Plateau	1	F	248	14	24813	94	94	94	94	94	94	
REUSE: BaZoCou 14-01-002	0	F	2	14	36260	600	600	600	600	600	600	Municipal Irrigation
REUSE: BaZoCou 14-02-041	0	F	41	14	36277	100	100	100	100	100	100	Municipal Irrigation
REUSE: BaZoCou 23-03-052	0	F	52	23	36440	91	91	91	91	91	91	Municipal Irrigation
REUSE: BaZoCou 14-01-068	0	F	68	14	36263	1,050	1,050	1,050	1,050	1,050	1,050	Irrigation
REUSE: BaZoCou 23-03-068	0	F	68	23	36441	16	16	16	16	16	16	Irrigation
REUSE: BaZoCou 14-01-068	0	F	68	14	36263	2,481	2,481	2,481	2,481	2,481	2,481	Manufacturing
REUSE: BaZoCou 14-01-114	0	F	114	14	36267	53	53	53	53	53	53	Municipal Irrigation
REUSE: BaZoCou 14-02-118	0	F	118	14	36284	41	41	41	41	41	41	Municipal Irrigation
REUSE: BaZoCou 14-01-159	0	F	159	14	36269	61	61	61	61	61	61	Municipal Irrigation
REUSE: BaZoCou 14-01-165	0	F	165	14	36270	15,773	17,400	18,778	20,666	22,864	25,667	Irrigation
REUSE: BaZoCou 14-02-168	0	F	168	14	36289	450	450	450	450	450	450	Municipal Irrigation
REUSE: BaZoCou 23-03-186	0	F	186	23	36443	864	864	864	864	864	864	Irrigation

Table 4 Current Water Supplies
(Values in Acre-Feet per Year)

Name of Source	Type of Water Supply	Regional Water Planning Group	County Number for Supply Source	Basin Number for Supply Source	Specific Source Indentifier Number	Year 2000 Total Supply during Drought of Record	Year 2010 Total Supply during Drought of Record	Year 2020 Total Supply during Drought of Record	Year 2030 Total Supply during Drought of Record	Year 2040 Total Supply during Drought of Record	Year 2050 Total Supply during Drought of Record	RWPG Comments
REUSE: BaZoCou 14-02-192	0	F	192	14	36291	40	40	40	40	40	40	Municipal Irrigation
REUSE: BaZoCou 23-03-195	0	F	195	23	36445	689	689	689	689	689	689	Irrigation
REUSE: BaZoCou 14-02-200	0	F	200	14	36292	298	298	298	298	298	298	Irrigation
REUSE: BaZoCou 14-02-208	0	F	208	14	36295	406	406	406	406	406	406	Municipal Irrigation
REUSE: BaZoCou 14-02-216	0	F	216	14	36296	65	67	68	68	67	66	Irrigation
REUSE: BaZoCou 14-02-226	0	F	226	14	36298	11530	11530	11530	11530	11530	11530	Irrigation
REUSE: BaZoCou 23-03-231	0	F	231	23	36446	87	87	87	87	87	87	Municipal Irrigation
REUSE: BaZoCou 23-03-238	0	F	238	23	36447	1,200	1,200	1,200	1,200	1,200	1,200	Municipal Irrigation

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 5

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

For review purposes, TWDB staff developed annotated review worksheets that parallel the original worksheets filed with the Initially Prepared Plan [IPP]. The comments to be addressed by the RWPG are noted under the column entitled TWDB REVIEW COMMENTS.

TWDB staff highlighted those fields in the worksheet where data entries may need correction or clarification, as noted under the TWDB REVIEW COMMENTS column.

Also, cells in bold represent revisions performed by TWDB staff. Those revisions represent random review of cells and the corrections performed by TWDB staff. Please contact TWDB staff to discuss any need for additional clarification in those specific cases.

The worksheets have been slightly modified for quality assurance purposes and to reflect the table structure needed for database development. Thus, any additional non-essential fields that were provided in the original table were moved to the far right end of the worksheet. Also, any comments or footnotes made or included in the original worksheet were moved to a field entitled RWPG Comments. Also note that any totals, subtotals, extra headers, etc. were deleted. Merged fields have been adjusted as needed.

Table 5 missing reference to the City of Paint Rock In Concho County (Colorado Basin) - Sequence number 667, City number 448, county 48, basin 14. Table 2 also does not make reference to Paint Rock. Please update the Exhibit B tables to reference this Water User Group.
Response: The city of Paint Rock does not meet the requirements for inclusion as a water user group.

Table 5 missing reference to the Water User Group "West Odessa (CDP)" In Ector County (Colorado Basin) - Sequence number 954, City number 988, county 68, basin 14. Table 2 also does not make reference to West Odessa (CDP). Please update the Exhibit B tables to reference this Water User Group.

Response: West Odessa is not a separate municipal entity.

Please advise if the above two water user groups have been incorporated into County-Other.
Response: Both Paint Rock and West Odessa are included in County-other of the respective county.

For development of the State database please be consistent when referencing water user groups and source names in Exhibit B tables.

Table 5 Current Water supplies by City and Category

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	0
Water User Group	Water User Group Identifier	Regional Water Planning Group Letter	Sequence Number	City Number	County Number	Basin Number	Type of Water Supply Source	Major Water Provider Number	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
Andrews	60026000	F	26	17	2	14	01		F	002	14	00221	Ogallala	2710	2710	2710	2710	2710	2710	70% of well field capacity
Andrews	60026000	F	26	17	2	14	00		F		14	36260	REUSE: BaZoCou 14-01-002	600	600	600	600	600	600	Golf course irrigation
County-Other	60996002	F	996	757	2	14	01		F	002	14	00221	Ogallala	687	687	687	687	687	687	5% Andrews' well field capacity plus 1997 county other use (less Andrews sales)
County-Other	60996002	F	996	757	2	14	01		F	002	14	00213	Edwards-Trinity PT	16	16	16	16	16	16	0
County-Other	60996002	F	996	757	2	23	01		F	002	23	00203	Pecos Alluvium	6	6	6	6	6	6	histsum max (county - other)
Irrigation	61004002	F	1004	1004	2	14	01		F	002	14	00221	Ogallala	16,418	17,442	17,445	17,423	17,424	17,426	remainder of Ogallala availability
Irrigation	61004002	F	1004	1004	2	14	00		F		14	002996	Irrigation local supply	125	125	125	125	125	125	TWDB IRLS numbers
Irrigation	61004002	F	1004	1004	2	23	00		F		14			0	0	0	0	0	0	no demands for IRR in Rio Grande basin
Livestock	61005002	F	1005	1005	2	14	01		F	002	14	00213	Edwards-Trinity PT	9	9	9	9	9	9	0
Livestock	61005002	F	1005	1005	2	14	01		F	002	14	00226	Dockum	9	9	9	9	9	9	0
Livestock	61005002	F	1005	1005	2	14	01		F	002	14	00221	Ogallala	264	264	264	264	264	264	0
Livestock	61005002	F	1005	1005	2	14	00		F		14	14997	Stock Ponds	73	73	73	73	73	73	0
Livestock	61005002	F	1005	1005	2	23	01		F	002	23	00221	Ogallala	50	50	50	50	50	50	
Livestock	61005002	F	1005	1005	2	23	01		F	002	23	00203	Pecos Alluvium	65	65	65	65	65	65	0
Livestock	61005002	F	1005	1005	2	23	00		F		23	23997	Stock Ponds	16	16	16	16	16	16	0
Manufacturing	61001002	F	1001	1001	2	14	01		F	002	14	00221	Ogallala	193	193	193	193	193	193	5% of Andrews' well field capacity
Manufacturing	61001002	F	1001	1001	2	23								0	0	0	0	0	0	0
Mining	61003002	F	1003	1003	2	14	01		F	002	14	00226	Dockum	765	765	765	765	765	765	recent pumpage shows drop to avg 20 ac-ft/yr, max = 765
Mining	61003002	F	1003	1003	2	14	01		F	002	14	00213	Edwards-Trinity PT	394	394	394	394	394	394	recent pumpage shows drop to 25 ac-ft/yr, max = 394
Mining	61003002	F	1003	1003	2	14	01		F	002	14	00221	Ogallala	3070	2050	2050	2050	2050	2050	reduced to reflect reduced demands
Mining	61003002	F	1003	1003	2	23	01		F	002	23	00221	Ogallala	126	126	126	126	126	126	
Mining	61003002	F	1003	1003	2	23	01		F	002	23	00203	Pecos Alluvium	121	121	121	121	121	121	0
Steam Electric Power	61002002	F	1002	1002	2	14								0	0	0	0	0	0	0
Steam Electric Power	61002002	F	1002	1002	2	23								0	0	0	0	0	0	0
County-Other	60996017	F	996	757	17	12	01		F	017	12	01721	Ogallala	5	5	4	3	3	2	Demands
County-Other	60996017	F	996	757	17	14	01		F	017	14	01722	Other Aquifer	69	69	69	69	69	69	0
County-Other	60996017	F	996	757	17	14	01		F	017	14	01721	Ogallala	3	3	3	3	3	3	
County-Other	60996017	F	996	757	17	14	02	168408	F		14	140A0	CRMWD system	11	11	11	11	11	11	
Gail	60326000	F	326	224	17	14	01		F	017	14	01721	Ogallala	48	44	39	33	28	24	Supply equals demand
Irrigation	61004017	F	1004	1004	17	12	01		F	017	12	01721	Ogallala	92	92	93	94	94	95	Limited to 108 available from source
Irrigation	61004017	F	1004	1004	17	12	00		F		12	017996	Irrigation local supply	56	56	56	56	56	56	TWDB IRLS numbers
Irrigation	61004017	F	1004	1004	17	14	01		F	017	14	01721	Ogallala	727	731	736	742	747	751	Limited to 782 available from source
Irrigation	61004017	F	1004	1004	17	14	01		F	017	14	01722	Other Aquifer	78	78	78	78	78	78	historical use from Edwards-Trinity-HP
Livestock	61005017	F	1005	1005	17	12	01		F	017	12	01722	Other Aquifer	2	2	2	2	2	2	historical use from Edwards-Trinity-HP
Livestock	61005017	F	1005	1005	17	12	00		F		12	12997	Stock Ponds	15	15	15	15	15	15	0
Livestock	61005017	F	1005	1005	17	12	01		F	017	12	01721	Ogallala	11	11	11	11	11	11	Limited to 108 available from source
Livestock	61005017	F	1005	1005	17	14	01		F	017	14	01721	Ogallala	4	4	4	4	4	4	Limited to 782 available from source
Livestock	61005017	F	1005	1005	17	14	00		F		14	14997	Stock Ponds	372	372	372	372	372	372	0
Manufacturing	61001017	F	1001	1001	17	12								0	0	0	0	0	0	0
Manufacturing	61001017	F	1001	1001	17	14	00		F		14	14999	local supply	89	89	89	89	89	89	historical max use
Mining	61003017	F	1003	1003	17	12								0	0	0	0	0	0	0
Mining	61003017	F	1003	1003	17	14	01		F	017	14	01722	Other Aquifer	1014	1014	1014	1014	1014	1014	0
Steam Electric Power	61002017	F	1002	1002	17	12								0	0	0	0	0	0	0
Steam Electric Power	61002017	F	1002	1002	17	14								0	0	0	0	0	0	0
Bangs	60054000	F	54	37	25	14	03	450	F		14	14140	Lake Brownwood	273	263	0	0	0	0	Receive treated water from Brown Co WID. No limit in contract. Used demands as allocation. Contract expires in 2013.
Brownwood	60120000	F	120	81	25	14	03	450	F		14	14140	Lake Brownwood	4502	4463	0	0	0	0	Contract with Brown Co WID. No limit on amount of water in contract. Used demands as allocation. Contract expires in 2020.
County-Other	60996025	F	996	757	25	12	01		F	025	14	02528	Trinity	6	6	6	6	6	6	Limited to 2,026 available from source
County-Other	60996025	F	996	757	25	14	01		F	025	14	02522	Other Aquifer	117	117	117	117	117	117	hist max - pumped in 1990
County-Other	60996025	F	996	757	25	14	01		F	025	14	02528	Trinity	548	548	548	548	548	548	Limited to 2,026 available from source
County-Other	60996025	F	996	757	25	14	00	450	F		14	14140	Lake Brownwood	1646	1646	1646	1646	1646	1646	historical max use, no contract amts.

Table 5 Current Water supplies by City and Category

Water User Group	Water User Group Identifier	Regional Water Planning Group Letter	Sequence Number	City Number	County Number	Basin Number	Type of Water Supply Source	Major Water Provider Number	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
Early	60259000	F	259	174	25	14	03	450	F		14	14140	Lake Brownwood	674	674	674	0	0	0	contract, 518 - hist max. WTP cannot treat full contracted amount. Contract with Brown Co WID is 1227 AF/Y.expires 2030.
Irrigation	61004025	F	1004	1004	25	12								0	0	0	0	0	0	0
Irrigation	61004025	F	1004	1004	25	14	01		F	025	14	02528	Trinity	1282	1282	1282	1282	1282	1282	Limited to 2,026 available from source
Irrigation	61004025	F	1004	1004	25	14	00	450	F		14	14140	Lake Brownwood	6970	6970	6970	6970	6970	6970	Authorized use, water right #2454.modified 6/8/00
Irrigation	61004025	F	1004	1004	25	14	00		F		14	025996	Irrigation local supply	3256	3256	3256	3256	3256	3256	TWDB IRLS numbers
Livestock	61005025	F	1005	1005	25	12	00		F		12	12997	Stock Ponds	41	41	41	41	41	41	0
Livestock	61005025	F	1005	1005	25	12	01		F	025	12	02522	Other Aquifer	5	5	5	5	5	5	
Livestock	61005025	F	1005	1005	25	14	00		F		14	14997	Stock Ponds	1811	1811	1811	1811	1811	1811	0
Livestock	61005025	F	1005	1005	25	14	01		F	025	14	02528	Trinity	108	108	108	108	108	108	Limited to 2,026 available from source
Livestock	61005025	F	1005	1005	25	14	01		F	025	14	02522	Other Aquifer	35	35	35	35	35	35	0
Manufacturing	61001025	F	1001	1001	25	12								0	0	0	0	0	0	0
Manufacturing	61001025	F	1001	1001	25	14	00	450	F		14	14140	Lake Brownwood	470	508	550	590	640	693	97% of manufacturing projections.modified 5/25/00
Manufacturing	61001025	F	1001	1001	25	14	01		F	025	14	02522	Other Aquifer	24	24	24	24	24	24	0
Mining	61003025	F	1003	1003	25	14	01		F	025	14	02522	Other Aquifer	27	27	27	27	27	27	0
Mining	61003025	F	1003	1003	25	14	01		F	025	14	02528	Trinity	82	82	82	82	82	82	Limited to 2,026 available from source
Mining	61003025	F	1003	1003	25	12	01		F	025	12	02522	Other Aquifer	5	5	5	5	5	5	0
Mining	61003025	F	1003	1003	25	14	00		F		14	14999	local supply	2274	2274	2274	2274	2274	2274	gravel operations- local supply
Steam Electric Power	61002025	F	1002	1002	25	12								0	0	0	0	0	0	0
Steam Electric Power	61002025	F	1002	1002	25	14								0	0	0	0	0	0	0
Bronte Village	60114000	F	114	683	41	14	00		F		14	14050	Oak Creek	403	403	403	403	403	403	Historical max - city. (used WTP capacity as limit)
County-Other	60996041	F	996	757	41	14	02	168408	F		14	140A0	CRMWD system	120	120	120	120	120	120	sales from Robert Lee
County-Other	60996041	F	996	757	41	14	01		F	041	14	04122	Other Aquifer	47	47	47	47	47	47	0
County-Other	60996041	F	996	757	41	14	00		F		14	14050	Oak Creek	78	78	78	78	78	78	sales from Bronte
Irrigation	61004041	F	1004	1004	41	14	00		F		14	041996	Irrigation local supply	275	275	275	275	275	275	TWDB IRLS numbers
Irrigation	61004041	F	1004	1004	41	14	01		F	041	14	04122	Other Aquifer	534	534	534	534	534	534	Historical use
Livestock	61005041	F	1005	1005	41	14	01		F	041	14	04122	Other Aquifer	44	44	44	44	44	44	0
Livestock	61005041	F	1005	1005	41	14	00		F		14	14997	Stock Ponds	542	542	542	542	542	542	0
Livestock	61005041	F	1005	1005	41	14	01		F	41	14	04113	Edwards-Trinity PT	136	136	136	136	136	136	Small use from aquifer, adjusted for demands
Manufacturing	61001041	F	1001	1001	41	14								0	0	0	0	0	0	0
Mining	61003041	F	1003	1003	41	14	01		F	041	14	04122	Other Aquifer	248	248	248	248	248	248	Historical max use
Mining	61003041	F	1003	1003	41	14	00	168407	F		14	3461401008C	Colorado River Diversion	1000	1000	1000	1000	1000	1000	Mitchell Reservoir and Colorado River Diversions (Water right #1008)
Robert Lee	60759000	F	759	506	41	14	00		F		14	14041	Mountain Creek	342	334	325	314	304	293	yield of reservoir, historical use = 50
Robert Lee	60759000	F	759	506	41	14	03	168408	F		14	140A0	CRMWD system	350	350	0	0	0	0	assume under drought conditions, most of supply provided by CRMWD. CRMWD contract expires 12/31/13

Table 5 Current Water supplies by City and Category

Water User Group	Water User Group Identifier	Regional Water Planning Group Letter	Sequence Number	City Number	County Number	Basin Number	Type of Water Supply Source	Major Water Provider Number	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
Robert Lee	60759000	F	759	506	41	14	00		F		14	36277	REUSE: BaZoCou 14-02-041	100	100	100	100	100	100	historical use for golf course irrigation
Steam Electric Power	61002041	F	1002	1002	41	14	00		F		14	14050	Oak Creek	1000	1000	1000	1000	1000	1000	used historical use as allocation
Coleman	60184000	F	184	123	42	14	00		F		14	14100	Hords Creek	504	508	514	518	519	521	Municipal & manufacturing use limited by WTP capacity
Coleman	60184000	F	184	123	42	14	00		F		14	14110	Coleman	1590	1,600	1,618	1,630	1,631	1,632	Limited by WTP capacity. Capacity (150 AF reserved for Taylor Co.) minus county other and manufacturing
County-Other	60996042	F	996	757	42	14	00		F		14	14110	Coleman	405	391	366	350	348	344	Used demands for allocation minus Brookesmith. Sales from Coleman
County-Other	60996042	F	996	757	42	14	00	450	F		14	14140	Lake Brownwood	9	12	12	11	11	11	Brookesmith
Irrigation	61004042	F	1004	1004	42	14	00		F		14	042996	Irrigation local supply	2310	2310	2310	2310	2310	2310	TWDB IRLS numbers
Livestock	61005042	F	1005	1005	42	14	00		F		14	14997	Stock Ponds	1579	1579	1579	1579	1579	1579	historical use
Livestock	61005042	F	1005	1005	42	14	01		F	042	14	04222	Other Aquifer	178	178	178	178	178	178	historical use
Manufacturing	61001042	F	1001	1001	42	14	00		F		14	14110	Coleman	1	1	2	2	2	3	Used demands for allocation
Mining	61003042	F	1003	1003	42	14	00		F		14	14999	local supply	16	16	16	16	16	16	0
Mining	61003042	F	1003	1003	42	14	01		F	042	14	04222	Other Aquifer	1	1	1	1	1	1	0
Santa Anna	60803000	F	803	540	42	14	03	450	F		14	14140	Lake Brownwood	258	244	0	0	0	0	Contract with BCWID expires in 2019
Santa Anna	60803000	F	803	540	42	14	00		F		14	14999	local supply	0	0	0	0	0	0	Santa Anna Lake and Lake Sealy. Assume no reliable supply during drought.
Steam Electric Power	61002042	F	1002	1002	42	14								0	0	0	0	0	0	0
County-Other	70996221	G	996	757	221	14	00		F		14	14110	Coleman	150	146	101	59	31	14	City of Lawn
County-Other	60996048	F	996	757	48	14	01		F	048	14	04822	Other Aquifer	102	102	102	102	102	102	0
County-Other	60996048	F	996	757	48	14	01		F	048	14	04816	Hickory	594	0	0	0	0	0	
County-Other	60996048	F	996	757	48	14	01		F	048	14	04813	Edwards-Trinity PT	56	56	56	56	56	56	0
County-Other	60996048	F	996	757	48	14	00		F		14	14999	local supply	67	67	67	67	67	67	Concho River - City of Paint Rock
Eden	60266000	F	266	179	48	14	01		F	048	14	04816	Hickory	607	0	0	0	0	0	
Irrigation	61004048	F	1004	1004	48	14	00		F		14	048996	Irrigation local supply	660	660	660	660	660	660	TWDB IRLS numbers
Irrigation	61004048	F	1004	1004	48	14	01		F	048	14	04830	Lipan	6422	6394	6366	6338	6310	6283	Increased supply to meet demands
Livestock	61005048	F	1005	1005	48	14	01		F	048	14	04813	Edwards-Trinity PT	331	331	331	331	331	331	Increased supply to meet demands
Livestock	61005048	F	1005	1005	48	14	01		F	048	14	04822	Other Aquifer	457	457	457	457	457	457	Historical max
Livestock	61005048	F	1005	1005	48	14	00		F		14	14997	Stock Ponds	171	171	171	171	171	171	Historical max
Manufacturing	61001048	F	1001	1001	48	14								0	0	0	0	0	0	0
Mining	61003048	F	1003	1003	48	14								0	0	0	0	0	0	0
Steam Electric Power	61002048	F	1002	1002	48	14								0	0	0	0	0	0	0
County-Other	60996052	F	996	757	52	23	01		F	052	23	05203	Pecos Alluvium	506	549	575	610	628	646	mun sales from Crane, Crane Co. field plus assumed rural self-supplied
County-Other	60996052	F	996	757	52	23	01		F	238	23	23803	Pecos Alluvium	49	53	56	59	61	63	demands (mun sales from Crane, Ward Co field)
Crane	60211000	F	211	139	52	23	01		F	052	23	05203	Pecos Alluvium	893	883	877	868	864	860	53 wells in Crane Co.
Crane	60211000	F	211	139	52	23	01		F	238	23	23803	Pecos Alluvium	121	110	103	95	90	85	13 wells in Ward Co. Limited to 18,304 available from source.
Crane	60211000	F	211	139	52	23	00		F		23	36440	REUSE: BaZoCou 23-03-052	91	91	91	91	91	91	historical use for golf course irrigation
Irrigation	61004052	F	1004	1004	52	23	01		F	52	23	05203	Pecos Alluvium	337	337	337	337	337	337	0
Livestock	61005052	F	1005	1005	52	23	01		F	052	23	05203	Pecos Alluvium	109	109	109	109	109	109	0
Livestock	61005052	F	1005	1005	52	23	01		F	052	23	05226	Dockum	38	38	38	38	38	38	historically used for livestock
Livestock	61005052	F	1005	1005	52	23	00		F		23	23997	Stock Ponds	9	9	9	9	9	9	0
Manufacturing	61001052	F	1001	1001	52	23	01		F	238	23	23803	Pecos Alluvium	0	0	0	0	0	0	No manufacturing demand
Mining	61003052	F	1003	1003	52	23	01		F	052	23	05203	Pecos Alluvium	1155	1122	1102	1076	1062	1048	limited to 3000 AF/y
Mining	61003052	F	1003	1003	52	23	01		F	052	23	05222	Other aquifer	134	134	134	134	134	134	Historical use, reported by TWDB as Rustler

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Mining	61003052	F	1003	1003	52	23	00		F		23	23999	Mining Local Supply	1434	1434	1434	1434	1434	1434	Historical use
Steam Electric Power	61002052	F	1002	1002	52	23								0	0	0	0	0	0	0
County-Other	60996053	F	996	757	53	14	01		F	053	14	05313	Edwards-Trinity PT	5	5	5	5	5	6	0
County-Other	60996053	F	996	757	53	23	01		F	053	23	05313	Edwards-Trinity PT	221	219	220	234	234	239	set to demands to prevent small shortage
Irrigation	61004053	F	1004	1004	53	14								0	0	0	0	0	0	0
Irrigation	61004053	F	1004	1004	53	23	01		F	053	23	05313	Edwards-Trinity PT	500	500	500	500	500	500	0
Livestock	61005053	F	1005	1005	53	14	01		F	053	14	05313	Edwards-Trinity PT	24	24	24	24	24	24	0
Livestock	61005053	F	1005	1005	53	14	00		F		14	14997	Stock Ponds	6	6	6	6	6	6	0
Livestock	61005053	F	1005	1005	53	23	01		F	053	23	05313	Edwards-Trinity PT	814	814	814	814	814	814	0
Livestock	61005053	F	1005	1005	53	23	00		F		23	23997	Stock Ponds	153	153	153	153	153	153	0
Manufacturing	61001053	F	1001	1001	53	14								0	0	0	0	0	0	0
Manufacturing	61001053	F	1001	1001	53	23	01		F	053	23	05313	Edwards-Trinity PT	18	18	18	18	18	18	0
Mining	61003053	F	1003	1003	53	14								0	0	0	0	0	0	0
Mining	61003053	F	1003	1003	53	23	00		F		23	23999	Mining Local Supply	361	361	361	361	361	361	current surface water use
Mining	61003053	F	1003	1003	53	23	01		F	053	23	05313	Edwards-Trinity PT	73	73	73	73	73	73	current gw use for crockett co
Ozona	60665000	F	665	446	53	23	01		F	053	23	05313	Edwards-Trinity PT	1722	1722	1722	1722	1722	1722	0
Steam Electric Power	61002053	F	1002	1002	53	14								0	0	0	0	0	0	0
Steam Electric Power	61002053	F	1002	1002	53	23	01		F	186	23	18613	Edwards-Trinity PT	2391	2391	2391	2391	2391	2391	Historical max for power for pecos co. (current = 1000), wells in Pecos co.
County-Other	60996068	F	996	757	68	14	01	168445	F	238	23	23803	Pecos Alluvium	660	660	660	660	660	660	Ward County well field, limited by source
County-Other	60996068	F	996	757	68	14	01		F	068	14	06813	Edwards-Trinity PT	3168	3144	3116	3069	3035	2993	Includes Odessa well field
County-Other	60996068	F	996	757	68	14	02	168408	F		14	140A0	CRMWD system	1892	1983	2063	2210	2413	2220	
County-Other	60996068	F	996	757	68	23	01		F	068	23	06803	Pecos Alluvium	55	58	60	64	68	65	Set to demands
County-Other	60996068	F	996	757	68	14	01	168410	F	159	14	15921	Ogallala	53	55	57	61	64	62	Martin County well field
County-Other	60996068	F	996	757	68	14	01		F	068	14	06821	Ogallala	172	172	172	172	172	172	1992 use less Great Plains
County-Other	60996068	F	996	757	68	14	01		O	083	14	08321	Ogallala	81	81	81	81	81	81	From Gaines Co.; Negotiations with Region O to meet demand (water available 2000-347, 2010-949, 2020-1050, 2030-763, 2040-457, 2050-30 ac-ft)
County-Other	60996068	F	996	757	68	14	01		F	068	14	06826	Dockum	12	12	12	12	12	12	1997 use
Irrigation	61004068	F	1004	1004	68	14	01		F	068	14	06821	Ogallala	5667	5667	5667	5667	5667	5667	Supply less County Other
Irrigation	61004068	F	1004	1004	68	14	01		F	068	14	06813	Edwards-Trinity PT	60	67	69	71	76	79	Limited to 5,696 available from source
Irrigation	61004068	F	1004	1004	68	14	00		F		14	068996	Irrigation local supply	1800	1800	1800	1800	1800	1800	TWDB IRLS numbers
Irrigation	61004068	F	1004	1004	68	14	00		F		14	36263	REUSE: BaZoCou 14-01-068	1050	1050	1050	1050	1050	1050	irrigation reuse from Odessa
Irrigation	61004068	F	1004	1004	68	23	01		F	068	23	06803	Pecos Alluvium	518	518	518	518	518	518	
Irrigation	61004068	F	1004	1004	68	23	00		F		23	36441	REUSE: BaZoCou 23-03-068	0	0	0	0	0	0	
Livestock	61005068	F	1005	1005	68	23	01		F	068	23	06803	Pecos Alluvium	30	30	30	30	30	30	
Livestock	61005068	F	1005	1005	68	14	01		F	068	14	06813	Edwards-Trinity PT	120	120	120	120	120	120	Less than historic
Livestock	61005068	F	1005	1005	68	23	01		F	068	23	06813	Edwards-Trinity PT	48	48	48	48	48	48	
Livestock	61005068	F	1005	1005	68	14	01		F	68	14	06826	Dockum	20	20	20	20	20	20	
Livestock	61005068	F	1005	1005	68	14	00		F	68	14	14997	Stock Ponds	10	10	10	10	10	10	
Livestock	61005068	F	1005	1005	68	23	00		F	68	23	23997	Stock Ponds	5	5	5	5	5	5	
Manufacturing	61001068	F	1001	1001	68	14	01		F	068	14	06813	Edwards-Trinity PT	1315	1308	1306	1304	1299	1295	Limited to 5,696 available from source
Manufacturing	61001068	F	1001	1001	68	23	01		F	068	23	06813	Edwards-Trinity PT	70	77	79	81	86	90	Set to demands

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Manufacturing	61001068	F	1001	1001	68	14	02	168408	F		14	140A0	CRMWD system	749	814	841	855	906	950	Table 3 demands
Manufacturing	61001068	F	1001	1001	68	14	00		F		14	36263	REUSE: BaZoCou 14-01-068	2481	2481	2481	2481	2481	2481	Odessa reuse for industry
Manufacturing	61001068	F	1001	1001	68	14	01	168410	F	159	14	15921	Ogallala	21	23	23	24	25	26	Martin County well field
Manufacturing	61001068	F	1001	1001	68	14	01	168445	F	238	23	23803	Pecos Alluvium	250	250	250	250	250	250	Ward County well field
Mining	61003068	F	1003	1003	68	14	01		F	068	14	06813	Edwards-Trinity PT	600	600	600	600	600	600	Limited to 5,696 available from source
Mining	61003068	F	1003	1003	68	14	01		F	068	14	06821	Ogallala	10	10	10	10	10	10	Limited to 5,849 available from source
Mining	61003068	F	1003	1003	68	23	01		F	068	23	06826	Dockum	700	700	700	700	700	700	1997 pumpage
Mining	61003068	F	1003	1003	68	14	01		O	083	14	08321	Ogallala	592	592	592	592	592	592	From Gaines Co.; Negotiations with Region O to meet demand (water available 2000-347, 2010-949, 2020-1050, 2030-763, 2040-457, 2050-30 ac-ft)
Odessa	60652000	F	652	438	68	14	02	168408	F		14	140A0	CRMWD system	15567	16765	18114	20320	21954	24047	Table 3 demands from Spence, Ivie and Thomas
Odessa	60652000	F	652	438	68	14	01		F	238	23	23803	Pecos Alluvium	5200	5200	5200	5200	5200	5200	Limited by source
Odessa	60652000	F	652	438	68	14	01	168410	F	159	14	15921	Ogallala	400	400	400	531	565	607	CRMWD GW Martin field (limited to distribution on Table 3)
Odessa	60652000	F	652	438	68	14	01	168430	F	068	14	06813	Edwards-Trinity PT	432	456	484	510	510	510	CRMWD EctorGW field. Limited to 510 available from well field
Steam Electric Power	61002068	F	1002	1002	68	14	02	168408	F		14	140A0	CRMWD system	0	0	0	0	0	0	No future Pwr water from CRMWD
Steam Electric Power	61002068	F	1002	1002	68	14	01		F	002	14	00221	Ogallala	6700	6700	6700	6700	6700	6700	Andrews County - Great Plains WSC
Steam Electric Power	61002068	F	1002	1002	68	23								0	0	0	0	0	0	0
County-Other	60996087	F	996	757	87	14	01		F	087	14	08713	Edwards-Trinity PT	160	167	169	169	168	170	assumed municipal demands are met from this source
Garden City	60331000	F	331	229	87	14	01		F	087	14	08713	Edwards-Trinity PT	43	43	42	42	41	41	assumed municipal demands are met from this source
Irrigation	61004087	F	1004	1004	87	14	01		F	087	14	08713	Edwards-Trinity PT	16,772	16,767	16,768	16,768	16,771	16,769	Limited to 17,147 from this source
Irrigation	61004087	F	1004	1004	87	14	01		F	087	14	08721	Ogallala	3,896	3,896	3,896	3,896	3,896	3,896	Limited to 3928 from this source
Livestock	61005087	F	1005	1005	87	14	01		F	087	14	08713	Edwards-Trinity PT	167	167	167	167	167	167	Limited to 17,147 from this source
Livestock	61005087	F	1005	1005	87	14	00		F		14	14997	Stock Ponds	42	42	42	42	42	42	0
Livestock	61005087	F	1005	1005	87	14	01		F	087	14	08721	Ogallala	32	32	32	32	32	32	0
Manufacturing	61001087	F	1001	1001	87	14	01		F	087	14	08713	Edwards-Trinity PT	0	0	0	0	0	0	No demand projected for manufacturing
Mining	61003087	F	1003	1003	87	14	01		F	087	14	08713	Edwards-Trinity PT	5	3	1.0	1.0	0.0	0.0	Limited to 17,147 from this source. Used demands beginning in 2020.
Steam Electric Power	61002087	F	1002	1002	87	14								0	0	0	0	0	0	0

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Big Spring	60085000	F	85	58	114	14	02	168408	F		14	140A0	CRMWD system	6950	6904	6709	6662	6581	6597	Projections minus ground water use
Big Spring	60085000	F	85	58	114	14	01	168410	F	159	14	15921	Ogallala	142	141	137	136	134	135	CRMWD GW Martin field (limited to distribution on Table 3)
Big Spring	60085000	F	85	58	114	14	01		F	114	14	11413	Edwards-Trinity PT	0	0	0	0	0	0	Assume CRMWD Howard field is not used in future
Coahoma	60181000	F	181	120	114	14	02	168408	F		14	140A0	CRMWD system	171	169	162	157	151	152	Table 3
Coahoma	60181000	F	181	120	114	14	01	168410	F	159	14	15921	Ogallala	3	3	3	3	3	3	Table 3, Martin County
County-Other	60996114	F	996	757	114	14	02	168408	F		14	140A0	CRMWD system	488	521	537	527	524	530	Table 3
County-Other	60996114	F	996	757	114	14	01		F	114	14	11421	Ogallala	510	510	510	510	510	510	Historical use
County-Other	60996114	F	996	757	114	14	01		F	114	14	11413	Edwards-Trinity PT	518	518	518	518	518	518	Increased to prevent shortage
Irrigation	61004114	F	1004	1004	114	14	00		F		14	114996	Irrigation local supply	24	24	24	24	24	24	TWDB IRLS numbers
Irrigation	61004114	F	1004	1004	114	14	01		F	114	14	11421	Ogallala	4700.0	4647.0	4596.0	4541.0	4488.0	4435.0	increased use to meet demands
Coahoma	60181000	F	181	120	114	14	00		F		14	36267	REUSE: BaZoCou 14-01-114	53	53	53	53	53	53	municipal reuse by Cohoma
Livestock	61005114	F	1005	1005	114	14	00		F		14	14997	Stock Ponds	73	73	73	73	73	73	Historical use
Livestock	61005114	F	1005	1005	114	14	01		F	114	14	11421	Ogallala	230	230	230	230	230	230	Increased to prevent shortage
Livestock	61005114	F	1005	1005	114	14	01		F	114	14	11413	Edwards-Trinity PT	85	85	85	85	85	85	Increased to prevent shortage
Livestock	61005114	F	1005	1005	114	14	01		F	114	14	11426	Dockum	8	8	8	8	8	8	Historical use
Manufacturing	61001114	F	1001	1001	114	14	01		F	114	14	11421	Ogallala	460	460	460	460	460	460	Historical use
Manufacturing	61001114	F	1001	1001	114	14	01		F	114	14	11413	Edwards-Trinity PT	273	273	273	273	300	350	Historical use, increased to prevent shortage
Manufacturing	61001114	F	1001	1001	114	14	02	168408	F		14	140A0	CRMWD system	1,723	1,867	1,968	2,049	2,220	2,384	Table 3
Manufacturing	61001114	F	1001	1001	114	14	01	168410	F	159	14	15921	Ogallala	35	38	40	42	45	49	Table 3, Martin County
Mining	61003114	F	1003	1003	114	14	01		F	114	14	11413	Edwards-Trinity PT	100	100	100	100	100	100	Historical use
Mining	61003114	F	1003	1003	114	14	01		F	114	14	11421	Ogallala	150	150	150	150	150	150	Historical use
Mining	61003114	F	1003	1003	114	14	01		F	114	14	11426	Dockum	135	135	135	135	135	135	Historical use
Mining	61003114	F	1003	1003	114	14	00	168405	F	114	14	3461401012	Beal Creek Diversion	1000	1000	1000	1000	1000	1000	
Steam Electric Power	61002114	F	1002	1002	114	14	02	168408	F		14	140A0	CRMWD system	2024	2024	2024	2024	2024	2024	Contract amount
County-Other	60996118	F	996	757	118	14	01		F	118	14	11813	Edwards-Trinity PT	130.0	129.0	123.0	120.0	116.0	115.0	Demands
Irrigation	61004118	F	1004	1004	118	14	00		F		14	118996	Irrigation local supply	1980	1980	1980	1980	1980	1980	TWDB IRLS numbers
Irrigation	61004118	F	1004	1004	118	14	01		F	118	14	11813	Edwards-Trinity PT	0	0	0	0	0	0	recent historical use
Irrigation	61004118	F	1004	1004	118	14	01		F	118	14	11822	Other Aquifer	1310	1310	1310	1310	1310	1310	Previously reported as Ed-Trin
Livestock	61005118	F	1005	1005	118	14	00		F		14	14997	Stock Ponds	86	86	86	86	86	86	0
Livestock	61005118	F	1005	1005	118	14	01		F	118	14	11813	Edwards-Trinity PT	401	401	401	401	401	401	Increased to prevent shortage
Manufacturing	61001118	F	1001	1001	118	14	01		F	118	14	11813	Edwards-Trinity PT	0	0	0	0	0	0	Historical use
Mertzon	60591000	F	591	400	118	14	01		F	118	14	11813	Edwards-Trinity PT	125	125	120	116	115	114	Historical use closely matches demands. Used demands for allocation.
Mertzon	60591000	F	591	400	118	14	00		F		14	36284	REUSE: BaZoCou 14-02-118	41	41	41	41	41	41	municipal irrigation

Table 5 Current Water supplies by City and Category

Water User Group	Water User Group Identifier	Regional Water Planning Group Letter	Sequence Number	City Number	County Number	Basin Number	Type of Water Supply Source	Major Water Provider Number	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
Mining	61003118	F	1003	1003	118	14	01		F	118	14	11813	Edwards-Trinity PT	129	129	129	129	129	129	Historical use
Steam Electric Power	61002118	F	1002	1002	118	14	01		F	118	14	11813	Edwards-Trinity PT	0	0	0	0	0	0	Historical use
County-Other	60996134	F	996	757	134	14	01		F	134	14	13413	Edwards-Trinity PT	206	218	215	211	207	208	0
County-Other	60996134	F	996	757	134	14	00		F		14	14999	S. Llano River	11	12	12	12	11	11	sales from Junction
Irrigation	61004134	F	1004	1004	134	14	00		F		14	134996	Irrigation local supply	1980	1980	1980	1980	1980	1980	TWDB IRLS numbers
Irrigation	61004134	F	1004	1004	134	14	01		F	134	14	13413	Edwards-Trinity PT	296	296	296	296	296	296	historical ground water use
Junction	60455000	F	455	310	134	14	00		F		14	14999	S. Llano River	862	861	861	861	862	862	Lake Junction/S. Llano R, assuming 1996 use as DOR supply
Livestock	61005134	F	1005	1005	134	14	00		F		14	14997	Stock Ponds	98	98	98	98	98	98	0
Livestock	61005134	F	1005	1005	134	14	01		F	134	14	13413	Edwards-Trinity PT	466	466	466	466	466	466	0
Manufacturing	61001134	F	1001	1001	134	14	00		F		14	14999	Manufacturing Local Supply	649	649	649	649	649	649	Water right #1600 - Pax Corporation (1995 use)
Manufacturing	61001134	F	1001	1001	134	14	01		F	134	14	13413	Edwards-Trinity PT	31	31	31	31	31	31	
Mining	61003134	F	1003	1003	134	14	01		F	134	14	13413	Edwards-Trinity PT	105	100	99	98	100	103	demands
Steam Electric Power	61002134	F	1002	1002	134	14								0	0	0	0	0	0	0
County-Other	60996151	F	996	757	151	23	01		F	151	23	15103	Pecos Alluvium	7	5	4	3	3	2	0
Irrigation	61004151	F	1004	1004	151	23	00		F		23	23140	Red Bluff	324	324	324	324	324	324	reduced to account for channel losses
Livestock	61005151	F	1005	1005	151	23	01		F	151	23	15103	Pecos Alluvium	65	65	65	65	65	65	increased to meet supply
Manufacturing	61001151	F	1001	1001	151	23	01		F	151	23	15103	Pecos Alluvium	0	0	0	0	0	0	0
Mentone	60587000	F	587	396	151	23	01		F	151	23	15103	Pecos Alluvium	6	6	6	6	6	6	0
Mining	61003151	F	1003	1003	151	23	01		F	151	23	15103	Pecos Alluvium	3	3	3	3	3	3	0
Steam Electric Power	61002151	F	1002	1002	151	23								0	0	0	0	0	0	0
Brady	60105000	F	105	71	154	14	00		F		14	14150	Brady Creek Reservoir	0	0	0	0	0	0	Not currently used for supply
Brady	60105000	F	105	71	154	14	01		F	154	14	15416	Hickory	2047						Historical GW use in 2000. Yield of Brady Creek Reservoir in 2010.
County-Other	60996154	F	996	757	154	14	01		F	154	14	15416	Hickory	1039						
County-Other	60996154	F	996	757	154	14	01		F	154	14	15422	Other Aquifer	117	117	117	117	117	117	
County-Other	60996154	F	996	757	154	14	01		F	154	14	15416	Hickory	255						sales from Brady, convert to Brady Cr when supply available
County-Other	60996154	F	996	757	154	14	00		F		14	14150	Brady Creek Reservoir	0	0	0	0	0	0	sales from Brady
Irrigation	61004154	F	1004	1004	154	14	00		F		14	154996	Irrigation local supply	550	550	550	550	550	550	TWDB IRLS numbers
Irrigation	61004154	F	1004	1004	154	14	01		F	154	14	15416	Hickory	2856	2856	2856	2856	2856	2856	
Livestock	61005154	F	1005	1005	154	14	01		F	154	14	15416	Hickory	452	452	452	452	452	452	
Livestock	61005154	F	1005	1005	154	14	01		F	154	14	15413	Edwards-Trinity PT	18	18	18	18	18	18	
Livestock	61005154	F	1005	1005	154	14	01		F	154	14	15414	Ellenburger-San Saba	414	414	414	414	414	414	Historical Max
Livestock	61005154	F	1005	1005	154	14	01		F	154	14	15422	Other Aquifer	140	140	140	140	140	140	Historical Max
Livestock	61005154	F	1005	1005	154	14	00		F		14	14997	Stock Ponds	205	205	205	205	205	205	Historical Max
Manufacturing	61001154	F	1001	1001	154	14	01		F	154	14	15416	Hickory	118	126	135	144	153	161	sales from Brady, convert to Brady Cr when supply available
Manufacturing	61001154	F	1001	1001	154	14	01		F	154	14	15416	Hickory	713	713	713	713	713	713	
Mining	61003154	F	1003	1003	154	14	01		F	154	14	15416	Hickory	146	152	158	164	170	176	Set to demands to prevent shortage
Steam Electric Power	61002154	F	1002	1002	154	14								0	0	0	0	0	0	0
County-Other	60996159	F	996	757	159	14	01		F	159	14	15921	Ogallala	300	302	298	289	276	265	assume demands for municipal supply
County-Other	60996159	F	996	757	159	14	02	168408	F		14	140A0	CRMWD system	8	8	8	8	8	8	Historical use (sales from Stanton)
Irrigation	61004160	F	1004	1004	160	14	00		F		14	160996	Irrigation local supply	550	550	550	550	550	550	TWDB IRLS numbers
Irrigation	61004159	F	1004	1004	159	14	01		F	159	14	15921	Ogallala	13888	13851	13731	13486	13241	12997	Set to demand
Livestock	61005159	F	1005	1005	159	14	01		F	159	14	15921	Ogallala	357	357	357	357	357	357	Set to demands less stock ponds
Livestock	61005159	F	1005	1005	159	14	00		F		14	14997	Stock Ponds	79	79	79	79	79	79	
Manufacturing	61001159	F	1001	1001	159	14	01		F	159	14	15921	Ogallala	32	35	36	36	38	40	manufacturing demands.modified 7/25/00
Mining	61003159	F	1003	1003	159	14	01		F	159	14	15921	Ogallala	300	303	404	830	1050	1236	historical use (limited to available supply).modified 7/25/00
Stanton	60858000	F	858	579	159	14	01		F	159	14	15921	Ogallala	20	20	20	20	20	20	Self-supplied
Stanton	60858000	F	858	579	159	14	00		F	159	14	36269	REUSE: BaZoCou 14-01-159	61	61	61	61	61	61	municipal irrigation
Stanton	60858000	F	858	579	159	14	03	168408	F		14	140A0	CRMWD system	379	0	0	0	0	0	Set to demands less GW. Contract expires 12/31/09.

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Steam Electric Power	61002159	F	1002	1002	159	14								0	0	0	0	0	0	
County-Other	60996160	F	996	757	160	14	01		F	160	14	16014	Ellenburger-San Saba	37	37	37	37	37	37	0
County-Other	60996160	F	996	757	160	14	01		F	160	14	16022	Other Aquifer	48	48	48	48	48	48	Marble Falls - historical use
County-Other	60996160	F	996	757	160	14	01		F	160	14	16016	Hickory	113	111	101	97	92	90	Set to demands
Irrigation	61004160	F	1004	1004	160	14	01		F	160	14	16016	Hickory	18000	18000	18000	18000	18000	18000	0
Livestock	61005160	F	1005	1005	160	14	01		F	160	14	16014	Ellenburger-San Saba	200	200	200	200	200	200	Increased to meet demands
Livestock	61005160	F	1005	1005	160	14	01		F	160	14	16016	Hickory	509	509	509	509	509	509	Increased to meet demands
Livestock	61005160	F	1005	1005	160	14	01		F	160	14	16022	Other Aquifer	170	170	170	170	170	170	Marble Falls, Increased to meet demands
Livestock	61005160	F	1005	1005	160	14	00		F		14	14997	Stock Ponds	628	628	628	628	628	628	0
Manufacturing	61001160	F	1001	1001	160	14								0	0	0	0	0	0	0
Mason	60569000	F	569	390	160	14	01		F	160	14	16016	Hickory	783	760	735	726	718	715	Historical use (increased in 2000 for demands)
Mining	61003160	F	1003	1003	160	14	01		F	160	14	16016	Hickory	12	8	6	6	6	6	demands/historical use
Steam Electric Power	61002160	F	1002	1002	160	14								0	0	0	0	0	0	0
County-Other	60996164	F	996	757	164	14	00		F		14	14999	Local Supply	20	20	20	20	20	20	sales from Menard
County-Other	60996164	F	996	757	164	14	01		F	164	14	16413	Edwards-Trinity PT	65	65	65	65	65	65	0
Irrigation	61004164	F	1004	1004	164	14	00		F		14	164996	Irrigation local supply	3465	3465	3465	3465	3465	3465	TWDB IRLS numbers
Irrigation	61004164	F	1004	1004	164	14	01		F	164	14	16413	Edwards-Trinity PT	2415	2396	2376	2356	2337	2317	increased use to meet demands
Irrigation	61004164	F	1004	1004	164	14	01		F	164	14	16422	Other Aquifer	200	200	200	200	200	200	0
Livestock	61005164	F	1005	1005	164	14	01		F	164	14	16413	Edwards-Trinity PT	439	439	439	439	439	439	increased use to meet demands
Livestock	61005164	F	1005	1005	164	14	01		F	164	14	16422	Other Aquifer	34	34	34	34	34	34	0
Livestock	61005164	F	1005	1005	164	14	00		F		14	14997	Stock Ponds	113	113	113	113	113	113	0
Manufacturing	61001164	F	1001	1001	164	14								0	0	0	0	0	0	0
Menard	60586000	F	586	395	164	14	00		F		14	14999	Local Supply	307	307	307	307	307	307	water right on San Saba River = 1016 af, using 1996 reported use as availability
Mining	61003164	F	1003	1003	164	14								0	0	0	0	0	0	0
Steam Electric Power	61002164	F	1002	1002	164	14								0	0	0	0	0	0	0
County-Other	60996165	F	996	757	165	14	01		F	165	14	16513	Edwards-Trinity PT	1,835	1,800	1,725	1,764	1,800	1,600	Limited to 13,632 available from source, used demands to reduce projected use
County-Other	60996165	F	996	757	165	14	01		F	165	14	16521	Ogallala	1,136	1,041	1,041	1,041	1,089	942	Limited to 4,667 available from source, used demands to reduce projected use
County-Other	60996165	F	996	757	165	14	02	168408	F		14	140A0	CRMWD system	20	20	20	20	20	20	sales from Midland
Irrigation	61004165	F	1004	1004	165	14	00		F		14	36270	REUSE: BaZoCou 14-01-165	15,773	17,400	18,778	20,666	22,864	25,667	55% of City of Midland's demands
Irrigation	61004165	F	1004	1004	165	14	00		F		14	165996	Irrigation local supply	1400	1400	1400	1400	1400	1400	TWDB IRLS numbers
Irrigation	61004165	F	1004	1004	165	14	01		F	165	14	16513	Edwards-Trinity PT	11357	11392	11467	11428	11392	11592	Limited to 13,632 available from source
Irrigation	61004165	F	1004	1004	165	14	01		F	165	14	16521	Ogallala	3404	3498	3498	3498	3451	3597	Limited to 4,667 available from source
Livestock	61005165	F	1005	1005	165	14	00		F		14	14997	Stock Ponds	182	182	182	182	182	182	Historical use
Livestock	61005165	F	1005	1005	165	14	01		F	165	14	16513	Edwards-Trinity PT	440	440	440	440	440	440	Set to demands
Livestock	61005165	F	1005	1005	165	14	01		F	165	14	16521	Ogallala	122	122	122	122	122	122	Set to demands
Manufacturing	61001165	F	1001	1001	165	14	01		F	165	14	16521	Ogallala	5	6	6	6	5	6	Limited to 4,667 available from source
Manufacturing	61001165	F	1001	1001	165	14	01		F	159	14	15921	Ogallala	60	60	60	60	60	60	Reduced due to aquifer limit
Manufacturing	61001165	F	1001	1001	165	14	02	168408	F		14	140A0	CRMWD system	46	46	46	46	46	46	1996 Midland sales
Midland	60595000	F	595	404	165	14	03	168408	F		14	140A0	CRMWD system	29,925	31,558	33,191	14934	14934	14934	CRMWD [modified 5/25/00]
Midland	60595000	F	595	404	165	14	03	168410	F	159	14	15921	Ogallala	306	340	373	0	0	0	CRMWD GW Martin field (limited to distribution on Table 3)
Midland	60595000	F	595	404	165	14	01		F	002	14	00221	Ogallala	1,237	1,233	1,230	1,252	1,251	1,249	Portion of Midland's well field in Andrews County.modified 7/20/00
Midland	60595000	F	595	404	165	14	01		F	159	14	15921	Ogallala	3485	3474	3463	3527	3524	3517	portion of Midland's well field in Martin County.modified 7/20/00
Midland	60595000	F	595	404	165	14	01		F	165	14	16521	Ogallala	0	0	0	0	0	0	Well field abandoned, used for ASR
Mining	61003165	F	1003	1003	165	14	01		F	165	14	16513	Edwards-Trinity PT	0	0	0	0	0	0	Limited to 13,632 available from source

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Odessa	60652000	F	652	438	165	14	02	168408	F		14	140A0	CRMWD system	51	55	57	62	69	77	demands
Steam Electric Power	61002165	F	1002	1002	165	14								0	0	0	0	0	0	0
Colorado City	60189000	F	189	126	168	14	02		F		14	140C0	Colorado City/Champion system	1,000	900	800	700	600	500	Historical use
Colorado City	60189000	F	189	126	168	14	01		F	168	14	16826	Dockum	1500	1600	1700	1800	1900	2000	expanded well field in Santa Rosa formation
Colorado City	60189000	F	189	126	168	14	00		F		14	36289	REUSE: BaZoCou 14-02-168	450	450	450	450	450	450	
County-Other	60996168	F	996	757	168	12	02		F		14	140C0	Colorado City/Champion system	1	1	1	1	1	1	0
County-Other	60996168	F	996	757	168	14	02		F		14	140C0	Colorado City/Champion system	190	174	158	137	113	94	Set to demands
County-Other	60996168	F	996	757	168	14	01		F	168	14	16826	Dockum	168	168	168	168	168	168	Historical use
Irrigation	61004168	F	1004	1004	168	12								0	0	0	0	0	0	0
Irrigation	61004168	F	1004	1004	168	14	00		F		14	168996	Irrigation local supply	235	235	235	235	235	235	TWDB IRLS numbers
Irrigation	61004168	F	1004	1004	168	14	01		F	168	14	16826	Dockum	2200	2200	2200	2200	2200	2200	0
Livestock	61005168	F	1005	1005	168	12								0	0	0	0	0	0	0
Livestock	61005168	F	1005	1005	168	14	00		F		14	14997	Stock Ponds	455	455	455	455	455	455	0
Livestock	61005168	F	1005	1005	168	14	01		F	168	14	16826	Dockum	75	75	75	75	75	75	Increased to prevent shortage
Loraine	60540000	F	540	902	168	14	01		F	168	14	16826	Dockum	130	130	130	130	130	130	
Manufacturing	61001168	F	1001	1001	168	12								0	0	0	0	0	0	0
Manufacturing	61001168	F	1001	1001	168	14								0	0	0	0	0	0	0
Mining	61003168	F	1003	1003	168	12								0	0	0	0	0	0	0
Mining	61003168	F	1003	1003	168	14	01		F	168	14	16826	Dockum	500	500	500	500	500	500	0
Mining	61003168	F	1003	1003	168	14	00	168407	F		14	3461401008C	Colorado River Diversion	500	500	500	500	500	500	Mitchell Reservoir and Colorado River Diversions (Water right #1008)
Steam Electric Power	61002168	F	1002	1002	168	12								0	0	0	0	0	0	0
Steam Electric Power	61002168	F	1002	1002	168	14	02		F		14	140C0	Colorado City/Champion system	3970	3,943	3,916	3,897	3,882	3,861	Remaining system yield using current operating criteria
County-Other	60996186	F	996	757	186	23	01		F	186	23	18613	Edwards-Trinity PT	600	600	600	600	600	600	0
County-Other	60996186	F	996	757	186	23	01		F	186	23	18603	Pecos Alluvium	302	302	302	302	302	302	Allocation was proportionally limited since total demands are less than total allocations
Fort Stockton	60310000	F	310	212	186	23	01		F	186	23	18613	Edwards-Trinity PT	5600	5600	5600	5600	5600	5600	Prod cap 6950 gpm is limiting factor. (Assume 80% efficiency)
Irrigation	61004186	F	1004	1004	186	23	00		F		23	36443	REUSE: BaZoCou 23-03-186	864	864	864	864	864	864	Assume irrigation reuse from Ft Stockton
Iraan	60436000	F	436	708	186	23	01		F	186	23	18613	Edwards-Trinity PT	525	580	600	616	627	642	Set to demands
Irrigation	61004186	F	1004	1004	186	23	01		F	186	23	18603	Pecos Alluvium	19846	19846	19846	19846	19846	19846	Limited to 20,408 available from source
Irrigation	61004186	F	1004	1004	186	23	01		F	186	23	18613	Edwards-Trinity PT	58713	57445	56176	54907	53638	52369	adjusted to meet irrigation demands
Irrigation	61004186	F	1004	1004	186	23	01		F	186	23	18622	Other Aquifer	1483	1483	1483	1483	1483	1483	Rustler Aquifer - historical use
Irrigation	61004186	F	1004	1004	186	23	00		F		23	23140	Red Bluff	1558	1558	1558	1558	1558	1558	reduced to account for channel losses
Livestock	61005186	F	1005	1005	186	23	01		F	186	23	18613	Edwards-Trinity PT	1070	1070	1070	1070	1070	1070	Historical max use
Livestock	61005186	F	1005	1005	186	23	01		F	186	23	18603	Pecos Alluvium	220	220	220	220	220	220	Limited to 20,408 available from source
Livestock	61005186	F	1005	1005	186	23	01		F	186	23	18622	Other Aquifer	5	5	5	5	5	5	
Livestock	61005186	F	1005	1005	186	23	01		F	186	23	18622	Other Aquifer	5	5	5	5	5	5	Rustler Aquifer - historical use
Livestock	61005186	F	1005	1005	186	23	00		F		23	23997	Stock Ponds	57	57	57	57	57	57	Historical max use
Manufacturing	61001186	F	1001	1001	186	23	01		F	186	23	18613	Edwards-Trinity PT	8	8	8	8	8	8	Historical max use
Mining	61003186	F	1003	1003	186	23	01		F	186	23	18613	Edwards-Trinity PT	249	249	249	249	249	249	Historical max use
Mining	61003186	F	1003	1003	186	23	01		F	186	23	18603	Pecos Alluvium	40	40	40	40	40	40	Limited to 20,408 available from source
Steam Electric Power	61002186	F	1002	1002	186	23	01		F	186	23	18613	Edwards-Trinity PT	6	6	6	6	6	6	Historical max use
Big Lake	60083000	F	83	56	192	14	01		F	192	14	19213	Edwards-Trinity PT	922	922	922	922	992	1100	Set to demands
County-Other	60996192	F	996	757	192	14	01		F	192	14	19213	Edwards-Trinity PT	115.0	119	120	119	128	86	used demands
County-Other	60996192	F	996	757	192	23	01		F	192	23	19213	Edwards-Trinity PT	1.0	1	1	1	2	1	0
Irrigation	61004192	F	1004	1004	192	14	01		F	192	14	19213	Edwards-Trinity PT	28014	28010	28009	28010	27931	27865	Limited to 29,161 available from source
Irrigation	61004192	F	1004	1004	192	14	01		F	192	23	19226	Dockum	50	50	50	50	50	50	Limited to 54 available from source

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Big Lake	60083000	F	83	56	192	14	00		F		14	36291	REUSE: BaZoCou 14-02-192	40	40	40	40	40	40	municipal reuse
Irrigation	61004192	F	1004	1004	192	23								0	0	0	0	0	0	Historical max use
Livestock	61005192	F	1005	1005	192	14	01		F	192	14	19213	Edwards-Trinity PT	110	110	110	110	110	110	Limited to 29,161 available from source
Livestock	61005192	F	1005	1005	192	14	00		F		14	14997	Stock Ponds	42	42	42	42	42	42	Historical max use
Livestock	61005192	F	1005	1005	192	23	01		F	192	23	19226	Dockum	4	4	4	4	4	4	Limited to 54 available from source
Livestock	61005192	F	1005	1005	192	23	00		F		23	23997	Stock Ponds	3	3	3	3	3	3	Historical max use
Manufacturing	61001192	F	1001	1001	192	14								0	0	0	0	0	0	Historical max use
Manufacturing	61001192	F	1001	1001	192	23								0	0	0	0	0	0	Historical max use
Mining	61003192	F	1003	1003	192	14	01		F	192	14	19213	Edwards-Trinity PT	0	0	0	0	0	0	Limited to 29,161 available from source
Mining	61003192	F	1003	1003	192	23								0	0	0	0	0	0	Historical max use
Steam Electric Power	61002192	F	1002	1002	192	14								0	0	0	0	0	0	Historical max use
Steam Electric Power	61002192	F	1002	1002	192	23								0	0	0	0	0	0	Historical max use
Balmorhea	60052000	F	52	818	195	23	01		E	122	23	12222	Balmorhea Alluvium	100	100	100	100	100	100	purchased gw
Balmorhea	60052000	F	52	818	195	23	00		F		23	23999	Lake Balmorhea	30	30	30	30	30	30	Lake Balmorhea.
County-Other	60996195	F	996	757	195	23	01		F	195	23	19503	Pecos Alluvium	280	280	280	280	280	280	used historical use as allocation
County-Other	60996195	F	996	757	195	23	00		F		23	23999	Lake Balmorhea	50	50	50	50	50	50	Lake Balmorhea (assume sales from Balmorhea)
County-Other	60996195	F	996	757	195	23	01		F	238	23	23803	Pecos Alluvium	260	260	260	260	260	260	sales from Pecos. 18,304 available from source
County-Other	60996195	F	996	757	195	23	01		F	195	23	19526	Dockum	130	130	130	130	130	130	sales from Pecos
County-Other	60996195	F	996	757	195	23	01		F	195	23	19513	Edwards-Trinity PT	76	76	76	76	76	76	
Irrigation	61004195	F	1004	1004	195	23	00		F		23	23140	Red Bluff	9110	9110	9110	9110	9110	9110	reduced to account for channel losses
Irrigation	61004195	F	1004	1004	195	23	00		F		23	36445	REUSE: BaZoCou 23-03-195	689	689	689	689	689	689	historical use from City of Pecos - Martinez Farms
Irrigation	61004195	F	1004	1004	195	23	01		F	195	23	19503	Pecos Alluvium	56868	56868	56868	56868	56868	56868	Limited to 58,221 available from source
Livestock	61005195	F	1005	1005	195	23	01		F	195	23	19503	Pecos Alluvium	1060	1060	1060	1060	1060	1060	Limited to 58,221 available from source
Livestock	61005195	F	1005	1005	195	23	01		F	195	23	19513	Edwards-Trinity PT	900	900	900	900	900	900	Historical max use
Livestock	61005195	F	1005	1005	195	23	01		F	195	23	19522	Other Aquifer	100	100	100	100	100	100	Rustler Aquifer - historical use
Livestock	61005195	F	1005	1005	195	23	01		F	195	23	19526	Dockum	80	80	80	80	80	80	Historical max use
Livestock	61005195	F	1005	1005	195	23	00		F		23	23997	Stock Ponds	106	106	106	106	106	106	Historical max use
Manufacturing	61001195	F	1001	1001	195	23	01		F	195	23	19503	Pecos Alluvium	13	13	13	13	13	13	
Mining	61003195	F	1003	1003	195	23	01		F	195	23	19503	Pecos Alluvium	0	0	0	0	0	0	Limited to 58,221 available from source
Pecos	60687000	F	687	460	195	23	01		F	195	23	19526	Dockum	1270	1600	1600	1600	1600	1600	Reeves Co well field (currently increasing capacity of well field)
Pecos	60687000	F	687	460	195	23	01		F	238	23	23803	Pecos Alluvium	1840	1840	1840	1840	1840	1840	Ward Co well field minus sales (186 AF). Limited to 18,304 available from source. Max prod cap 2200 gpm
Steam Electric Power	61002195	F	1002	1002	195	23								0	0	0	0	0	0	0
Toyah	60996195	F	996	757	195	23	00		F		23	23999	Lake Balmorhea	102	102	102	102	102	102	Lake Balmorhea (assume sales from Balmorhea).
Ballinger	60051000	F	51	35	200	14	00		F		14	14340	Ballinger/Moonen	912	917	885	875	869	894	water right #1072 (1000 af/y), historical max =1089. Demand is limiting factor
County-Other	60996200	F	996	757	200	14	00		F		14	14340	Ballinger/Moonen	88	83	115	125	131	106	sales from Ballinger (assume water right minus demands is limiting factor)
County-Other	60996200	F	996	757	200	14	00		F		14	14360	Lake Winters	231	232	229	262	284	295	sales from Winters, assume supply increases to meet demands, if available
County-Other	60996200	F	996	757	200	14	01		F	200	14	20022	Other Aquifer	160	160	160	160	160	160	Historical max use minus Miles
Irrigation	61004200	F	1004	1004	200	14	00		F		14	200996	Irrigation local supply	5500	5500	5500	5500	5500	5500	TWDB IRLS numbers
Irrigation	61004200	F	1004	1004	200	14	00		F		14	36292	REUSE: BaZoCou 14-02-200	298	298	298	298	298	298	City farm - City of Winters
Irrigation	61004200	F	1004	1004	200	14	01		F	200	14	20022	Other Aquifer	3000	3000	3000	3000	3000	3000	average historical use
Irrigation	61004200	F	1004	1004	200	14	00		F		14	14360	Lake Winters	395	395	395	395	375	318	Irrigation right # 1095
Livestock	61005200	F	1005	1005	200	14	01		F	200	14	20022	Other Aquifer	198	198	198	198	198	198	Historical max use
Livestock	61005200	F	1005	1005	200	14	00		F		14	14997	Stock Ponds	1779	1779	1779	1779	1779	1779	Historical max use
Manufacturing	61001200	F	1001	1001	200	14	00		F		14	14360	Lake Winters	47	56	68	80	90	90	sales from Winters, assume supply increases to meet demands, if available
Miles	60597000	F	597	915	200	14	01		F	200	14	20022	Other Aquifer	130	130	130	130	130	130	
Mining	61003200	F	1003	1003	200	14	01		F	200	14	20022	Other Aquifer	40	40	40	40	40	40	Historical max use
Steam Electric Power	61002200	F	1002	1002	200	14								0	0	0	0	0	0	0
Winters	60982000	F	982	662	200	14	00		F		14	14360	Lake Winters	550	552	562	582	603	632	demands
County-Other	60996207	F	996	757	207	14	01		F	207	14	20713	Edwards-Trinity PT	124	124	124	124	124	124	Historical max use
County-Other	60996207	F	996	757	207	23	01		F	207	23	20713	Edwards-Trinity PT	30	30	30	30	30	30	Historical max use
Eldorado	60276000	F	276	186	207	14	01		F	207	14	20713	Edwards-Trinity PT	490	490	490	490	490	490	
Irrigation	61004207	F	1004	1004	207	14	01		F	207	14	20713	Edwards-Trinity PT	1500	1500	1500	1500	1500	1500	Increased to prevent shortage
Irrigation	61004207	F	1004	1004	207	23	01		F	207	23	20713	Edwards-Trinity PT	500	500	500	500	500	500	0
Livestock	61005207	F	1005	1005	207	14	01		F	207	14	20713	Edwards-Trinity PT	400	400	400	400	400	400	0

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Livestock	61005207	F	1005	1005	207	14	00		F		14	14997	Stock Ponds	100	100	100	100	100	100	0
Livestock	61005207	F	1005	1005	207	23	01		F	207	23	20713	Edwards-Trinity PT	140	140	140	140	140	140	0
Livestock	61005207	F	1005	1005	207	23	00		F		23	23997	Stock Ponds	35	35	35	35	35	35	0
Manufacturing	61001207	F	1001	1001	207	14								0	0	0	0	0	0	Historical max use
Manufacturing	61001207	F	1001	1001	207	23								0	0	0	0	0	0	Historical max use
Mining	61003207	F	1003	1003	207	14	01		F	207	14	20713	Edwards-Trinity PT	150	150	150	150	150	150	Historical max use
Mining	61003207	F	1003	1003	207	23								0	0	0	0	0	0	0
Steam Electric Power	61002207	F	1002	1002	207	14								0	0	0	0	0	0	Historical max use
Steam Electric Power	61002207	F	1002	1002	207	23								0	0	0	0	0	0	Historical max use
County-Other	60996208	F	996	757	208	12	01		F	208	12	20826	Dockum	165	165	165	165	165	165	
County-Other	60996208	F	996	757	208	12	01		F	208	12	20822	Other Aquifer	25	25	25	25	25	25	0
County-Other	60996208	F	996	757	208	14	02	168408	F		14	140A0	CRMWD system	207	204	197	192	184	185	sales from Synder
County-Other	60996208	F	996	757	208	14	01		F	208	14	20826	Dockum	200	200	200	200	200	200	0
County-Other	60996208	F	996	757	208	14	01		F	208	14	20822	Other Aquifer	230	230	230	230	230	230	0
Irrigation	61004208	F	1004	1004	208	12	01		F	208	12	20826	Dockum	956	956	956	956	956	956	0
Irrigation	61004208	F	1004	1004	208	14	00		F		14	208996	Irrigation local supply	1170	1170	1170	1170	1170	1170	TWDB IRLS numbers
Irrigation	61004208	F	1004	1004	208	14	01		F	208	14	20826	Dockum	1210	1210	1210	1210	1210	1210	0
Irrigation	61004208	F	1004	1004	208	14	00		F		14	36295	REUSE: BaZoCou 14-02-208	406	406	406	406	406	406	Snyder effuent reuse
Livestock	61005208	F	1005	1005	208	12	01		F	208	12	20822	Other Aquifer	30	30	30	30	30	30	0
Livestock	61005208	F	1005	1005	208	12	00		F		12	12997	Stock Ponds	266	266	266	266	266	266	0
Livestock	61005208	F	1005	1005	208	12	01		F	208	14	20826	Dockum	50	50	50	50	50	50	
Livestock	61005208	F	1005	1005	208	14	01		F	208	14	20826	Dockum	150	150	150	150	150	150	0
Livestock	61005208	F	1005	1005	208	14	00		F		14	14997	Stock Ponds	453	453	453	453	453	453	0
Manufacturing	61001208	F	1001	1001	208	12								0	0	0	0	0	0	
Manufacturing	61001208	F	1001	1001	208	14	02	168408	F		14	140A0	CRMWD system	111	388	388	388	388	388	0
Manufacturing	61001208	F	1001	1001	208	14	01		F	208	14	20826	Dockum	1	4	4	4	4	4	0
Mining	61003208	F	1003	1003	208	12	01		F	208	12	20826	Dockum	2800	2800	2800	2800	2800	2800	0
Mining	61003208	F	1003	1003	208	14	01		F	208	14	20826	Dockum	1000	1000	1000	1000	1000	1000	0
Mining	61003208	F	1003	1003	208	14	00	168407	F		14	3461401008C	Colorado River Diversion	2000	2000	2000	2000	2000	2000	Mitchell Reservoir and Colorado River Diversions (Water right #1008)
Snyder	60837000	F	837	565	208	14	02	168408	F		14	140A0	CRMWD system	3,005	3,091	3,128	3,182	3,208	3,270	Set to demands less city wells
Snyder	60837000	F	837	565	208	14	01	168400	F	208	14	20826	Dockum	30	31	32	32	32	33	city wells
Steam Electric Power	61002208	F	1002	1002	208	12								0	0	0	0	0	0	0
Steam Electric Power	61002208	F	1002	1002	208	14								0	0	0	0	0	0	0
County-Other	60996216	F	996	757	216	14	01		F	216	14	21613	Edwards-Trinity PT	45	45	45	45	45	45	0
Irrigation	61004216	F	1004	1004	216	14	01		F	216	14	21613	Edwards-Trinity PT	315	315	315	315	315	315	0
Irrigation	61004216	F	1004	1004	216	14	01		F	216	14	21622	Other Aquifer	600	600	600	600	600	600	0
Irrigation	61004216	F	1004	1004	216	14	00		F		14	36296	REUSE: BaZoCou 14-02-216	65	67	68	68	67	66	0
Livestock	61005216	F	1005	1005	216	14	01		F	216	14	21613	Edwards-Trinity PT	395	395	395	395	395	395	0
Livestock	61005216	F	1005	1005	216	14	01		F	216	14	21622	Other Aquifer	77	77	77	77	77	77	0
Livestock	61005216	F	1005	1005	216	14	00		F		14	14997	Stock Ponds	99	99	99	99	99	99	0
Manufacturing	61001216	F	1001	1001	216	14								0	0	0	0	0	0	0
Mining	61003216	F	1003	1003	216	14	01		F	216	14	21613	Edwards-Trinity PT	585	585	585	585	585	585	0
Steam Electric Power	61002216	F	1002	1002	216	14								0	0	0	0	0	0	0
Sterling City	60860000	F	860	581	216	14	01		F	216	14	21622	Other Aquifer	273	288	294	298	299	303	increased to meet demands
County-Other	60996218	F	996	757	218	14	01		F	218	14	21813	Edwards-Trinity PT	40	40	40	40	40	40	0

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County-Other	60996218	F	996	757	218	23	01		F	218	23	21813	Edwards-Trinity PT	259	259	259	259	259	259	0
Irrigation	61004218	F	1004	1004	218	14	00		F		14	218996	Irrigation local supply	475	475	475	475	475	475	Historical surface water use
Irrigation	61004218	F	1004	1004	218	14	01		F	218	23	21813	Edwards-Trinity PT	200	200	200	200	200	200	
Irrigation	61004218	F	1004	1004	218	23	01		F	218	23	21813	Edwards-Trinity PT	1786	1786	1786	1786	1786	1786	historical use (1997)
Livestock	61005218	F	1005	1005	218	14	01		F	218	14	21813	Edwards-Trinity PT	284	284	284	284	284	284	0
Livestock	61005218	F	1005	1005	218	14	00		F		14	14997	Stock Ponds	71	71	71	71	71	71	0
Livestock	61005218	F	1005	1005	218	23	01		F	218	23	21813	Edwards-Trinity PT	339	339	339	339	339	339	0
Livestock	61005218	F	1005	1005	218	23	00		F		23	23997	Stock Ponds	85	85	85	85	85	85	0
Manufacturing	61001218	F	1001	1001	218	14								0	0	0	0	0	0	0
Manufacturing	61001218	F	1001	1001	218	23								0	0	0	0	0	0	0
Mining	61003218	F	1003	1003	218	14	01		F	218	23	21813	Edwards-Trinity PT	35.0	36.0	37.0	38.0	39.0	40.0	slight increase from historical use to meet demands
Mining	61003218	F	1003	1003	218	23	01		F	218	23	21813	Edwards-Trinity PT	46.0	45.0	44.0	45.0	45.0	46.0	slight increase from historical use to meet demands
Sonora	60841000	F	841	567	218	23	01		F	218	23	21813	Edwards-Trinity PT	1150	1196	1235	1256	1269	1290	Set to demands
Steam Electric Power	61002218	F	1002	1002	218	14								0	0	0	0	0	0	0
Steam Electric Power	61002218	F	1002	1002	218	23								0	0	0	0	0	0	0
County-Other	60996226	F	996	757	226	14	01		F	226	14	22613	Edwards-Trinity PT	551	551	551	551	551	551	0
County-Other	60996226	F	996	757	226	14	01		F	226	14	22630	Lipan	910	910	910	910	910	910	
County-Other	60996226	F	996	757	226	14	01		F	226	14	22622	Other Aquifer	682	682	682	682	682	682	0
County-Other	60996226	F	996	757	226	14	02		F		14	140D0	Fisher	35	33	29	32	29	25	sales from San Angelo
County-Other	60996226	F	996	757	226	14	02		F		14	140D0	Nasworthy	64	62	58	68	66	61	sales from San Angelo
County-Other	60996226	F	996	757	226	14	02		F		14	140D0	San Angelo System	25	25	23	27	26	24	
County-Other	60996226	F	996	757	226	14	02		F		14	140D0	Twin Buttes	15	14	13	16	15	14	sales from San Angelo
County-Other	60996226	F	996	757	226	14	02	168408	F		14	140A0	CRMWD system	210	206	195	230	225	208	sales from San Angelo
Irrigation	61004226	F	1004	1004	226	14	00		F		14	226996	Irrigation local supply	15839	15839	15839	15839	15839	15839	TWDB IRLS numbers
Irrigation	61004226	F	1004	1004	226	14	00		F		14	36298	REUSE: BaZoCou 14-02-226	11530	11530	11530	11530	11530	11530	from San Angelo
Irrigation	61004226	F	1004	1004	226	14	01		F	226	14	22630	Lipan	36362	36362	36362	36362	36362	36362	Limited to 37,486 available from source
Irrigation	61004226	F	1004	1004	226	14	01		F	226	14	22622	Other Aquifer	10000	10000	10000	10000	10000	10000	Historical use (typ)
Irrigation	61004226	F	1004	1004	226	14	02		F		14	140D0	Twin Buttes	7672	7629	7586	7500	7414	7328	Irrigation right from Twin Buttes (adjusted for yield)
Irrigation	61004226	F	1004	1004	226	14	02		F		14	140D0	Nasworthy	316	312	308	306	304	302	
Irrigation	61004226	F	1004	1004	226	14	01		F	226	14	22613	Edwards-Trinity PT	520	520	520	520	520	520	Historical use
Livestock	61005226	F	1005	1005	226	14	01		F	226	14	22613	Edwards-Trinity PT	267	267	267	267	267	267	Historical use
Livestock	61005226	F	1005	1005	226	14	00		F		14	14997	Stock Ponds	1990	1990	1990	1990	1990	1990	0
Livestock	61005226	F	1005	1005	226	14	01		F	226	14	22630	Lipan	34	34	34	34	34	34	
Livestock	61005226	F	1005	1005	226	14	01		F	226	14	22622	Other Aquifer	33	33	33	33	33	33	
Manufacturing	61001226	F	1001	1001	226	14	02		F		14	140D0	Nasworthy	610	660	707	756	830	904	sales from San Angelo
Manufacturing	61001226	F	1001	1001	226	14	01		F	226	14	22630	Lipan	180	180	180	180	180	180	Limited to 37,486 available from source
Mining	61003226	F	1003	1003	226	14	01		F	226	14	22622	Other Aquifer	192	192	192	192	192	192	Historical use
Mining	61003226	F	1003	1003	226	14	01		F	226	14	22630	Lipan	0	0	0	0	0	0	Irrigation comes first
San Angelo	60788000	F	788	529	226	14	02		F		14	140D0	Nasworthy	5308	5242	5178	5134	5102	5073	
San Angelo	60788000	F	788	529	226	14	02		F		14	140D0	Twin Buttes	1213	1207	1201	1184	1171	1158	Reservoir yield less County-Other
San Angelo	60788000	F	788	529	226	14	02		F		14	140D0	San Angelo System	2102	2085	2069	2037	2009	1983	
San Angelo	60788000	F	788	529	226	14	03	168408	F		14	140A0	CRMWD system	17,790	17,794	17,805	17,770	17,775	17,792	Contracts with CRMWD [modified 7/20/00]
San Angelo	60788000	F	788	529	226	14	02		F		14	140D0	Fisher	2,938	2,782	2,627	2,438	2,256	2,074	Reservoir yield less County Other
San Angelo	60788000	F	788	529	226	14	01		F	154	14	15416	Hickory	0	0	0	0	0	0	Contracted but not developed
Steam Electric Power	61002226	F	1002	1002	226	14	02		F		14	140D0	Nasworthy	1602	1524	1449	1386	1298	1210	Industrial supply less manufacturing demand
County-Other	60996231	F	996	757	231	14	01		F	231	14	23113	Edwards-Trinity PT	61	61	61	61	61	61	
County-Other	60996231	F	996	757	231	23	01		F	231	23	23113	Edwards-Trinity PT	132	132	132	132	132	132	0
Irrigation	61004231	F	1004	1004	231	14	01		F	231	14	23113	Edwards-Trinity PT	14481	14481	14481	14481	14481	14481	Limited to 14,566 available from source
Irrigation	61004231	F	1004	1004	231	23	01		F	231	23	23113	Edwards-Trinity PT	200	200	200	200	200	200	0
Livestock	61005231	F	1005	1005	231	14	01		F	231	14	23113	Edwards-Trinity PT	24	24	24	24	24	24	Limited to 14,566 available from source
Livestock	61005231	F	1005	1005	231	14	00		F		14	14997	Stock Ponds	15	15	15	15	15	15	0
Livestock	61005231	F	1005	1005	231	23	01		F	231	23	23113	Edwards-Trinity PT	100	100	100	100	100	100	0
Livestock	61005231	F	1005	1005	231	23	00		F		23	23997	Stock Ponds	27	27	27	27	27	27	0

Table 5 Current Water supplies by City and Category

Water User Group	Water User Group Identifier	Regional Water Planning Group Letter	Sequence Number	City Number	County Number	Basin Number	Type of Water Supply Source	Major Water Provider Number	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
Manufacturing	61001231	F	1001	1001	231	14								0	0	0	0	0	0	0
Manufacturing	61001231	F	1001	1001	231	23								0	0	0	0	0	0	0
McCamey	60575000	F	575	377	231	23	01		F	231	23	23113	Edwards-Trinity PT	550	550	550	550	550	550	
McCamey	60575000	F	575	377	231	23	00		F		23	36446	REUSE: BaZoCou 23-03-231	77	77	77	77	77	77	historical use for golf course irrigation
Mining	61003231	F	1003	1003	231	14	01		F	231	14	23113	Edwards-Trinity PT	0	0	0	0	0	0	No water available after irrigation
Mining	61003231	F	1003	1003	231	23	01		F	231	23	23113	Edwards-Trinity PT	618	618	618	618	618	618	0
Rankin	60736000	F	736	494	231	23	00		F		23	36446	REUSE: BaZoCou 23-03-231	10	10	10	10	10	10	historical use
Rankin	60736000	F	736	494	231	23	01		F	231	23	23113	Edwards-Trinity PT	226	249	249	252	253	257	increased to meet demands
Steam Electric Power	61002231	F	1002	1002	231	14								0	0	0	0	0	0	0
Steam Electric Power	61002231	F	1002	1002	231	23								0	0	0	0	0	0	0
Barstow	60056000	F	56	819	238	23	01		F	238	23	23803	Pecos Alluvium	103	92	80	72	69	67	supplied by Pecos (assume Ward well field). Limited to 18,304 available from source
County-Other	60996238	F	996	757	238	23	01		F	238	23	23803	Pecos Alluvium	568	632	673	667	639	597	Limited to 18,304 available from source
Grandfalls	60355000	F	355	874	238	23	03	168445	F	238	23	23803	Pecos Alluvium	216	204	0	0	0	0	CRMWD Ward well field. Limited to 18,304 available from source. Used demands (less than historical use). Contract expires 5/15/19
Irrigation	61004238	F	1004	1004	238	23	00		F		23	23140	Red Bluff	5009	5009	5009	5009	5009	5009	reduced to account for channel losses
Irrigation	61004238	F	1004	1004	238	23	01		F	238	23	23803	Pecos Alluvium	534	540	624	747	908	1015	trend to recent use. Limited to 18,304 available from source
Irrigation	61004238	F	1004	1004	238	23	01		F	238	23	23826	Dockum	300	300	300	300	300	300	0
Livestock	61005238	F	1005	1005	238	23	00		F		23	23997	Stock Ponds	12	12	12	12	12	12	0
Livestock	61005238	F	1005	1005	238	23	01		F	238	23	23826	Dockum	25	25	25	25	25	25	
Livestock	61005238	F	1005	1005	238	23	01		F	238	23	23803	Pecos Alluvium	250	250	250	250	250	250	Limited to 18,304 available from source
Manufacturing	61001238	F	1001	1001	238	23	01		F	238	23	23803	Pecos Alluvium	4	4	5	6	6	7	Limited to 18,304 available from source
Mining	61003238	F	1003	1003	238	23	01		F	238	23	23803	Pecos Alluvium	0	0	0	0	0	0	No water left after irrigation
Monahans	60604000	F	604	410	238	23	01		F	238	23	23803	Pecos Alluvium	2139	2174	2119	2028	1885	1795	Ward well field (6 wells). Limited to 18,304 available from source
Monahans	60604000	F	604	410	238	23	00		F		23	36447	REUSE: BaZoCou 23-03-238	1200	1200	1200	1200	1200	1200	golf course irrigation
Monahans	60604000	F	604	410	238	23	01		F	248	23	24826	Dockum	700	700	700	700	700	700	Winkler well field (2 wells)
Steam Electric Power	61002238	F	1002	1002	238	23	01		F	238	23	23803	Pecos Alluvium	5728	5683	5680	5689	5724	5763	historical max use. Limited to 18,304 available from source
Thorntonville	60895000	F	895	971	238	23	01		F	238	23	23803	Pecos Alluvium	164	155	143	134	122	114	Limited to 18,304 available from source
Wickett	60971000	F	971	992	238	23	01		F	238	23	23803	Pecos Alluvium	218	197	174	168	163	159	Limited to 18,304 available from source.
County-Other	60996248	F	996	757	248	14	01		F	248	23	24826	Dockum	1	1	1	1	1	1	0
County-Other	60996248	F	996	757	248	23	01		F	248	23	24803	Pecos Alluvium	50	50	50	50	50	50	0
County-Other	60996248	F	996	757	248	23	01		F	248	23	24826	Dockum	100	100	100	100	100	100	0
Irrigation	61004248	F	1004	1004	248	14								0	0	0	0	0	0	0
Irrigation	61004248	F	1004	1004	248	23	01		F	248	23	24826	Dockum	1500	1500	1500	1500	1500	1500	0
Kermit	60467000	F	467	319	248	23	01		F	248	23	24826	Dockum	2387	2467	2491	2492	2489	2505	demands
Livestock	61005248	F	1005	1005	248	14	01		F	248	23	24826	Dockum	1	1	1	1	1	1	0
Livestock	61005248	F	1005	1005	248	23	01		F	248	23	24803	Pecos Alluvium	180	180	180	180	180	180	0
Livestock	61005248	F	1005	1005	248	23	00		F		23	23997	Stock Ponds	8	8	8	8	8	8	0
Manufacturing	61001248	F	1001	1001	248	14								0	0	0	0	0	0	0
Manufacturing	61001248	F	1001	1001	248	23	01		F	248	23	24803	Pecos Alluvium	8.0	10.0	11.0	12.0	14.0	17.0	demands
Mining	61003248	F	1003	1003	248	14								0	0	0	0	0	0	0
Mining	61003248	F	1003	1003	248	23	01		F	248	23	24826	Dockum	2040	1940	1940	1940	1940	1940	0
Steam Electric Power	61002248	F	1002	1002	248	14								0	0	0	0	0	0	0
Steam Electric Power	61002248	F	1002	1002	248	23								0	0	0	0	0	0	0
Wink	60979000	F	979	659	248	23	01		F	248	23	24803	Pecos Alluvium	339	354	360	361	360	363	demands

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 6

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

For review purposes, TWDB staff developed annotated review worksheets that parallel the original worksheets filed with the Initially Prepared Plan [IPP]. The comments to be addressed by the RWPG are noted under the column entitled TWDB REVIEW COMMENTS.

TWDB staff highlighted those fields in the worksheet where data entries may need correction or clarification, as noted under the TWDB REVIEW COMMENTS column.

Also, cells in bold represent revisions performed by TWDB staff. Those revisions represent random review of cells and the corrections performed by TWDB staff. Please contact TWDB staff to discuss any need for additional clarification in those specific cases.

The worksheets have been slightly modified for quality assurance purposes and to reflect the table structure needed for database development. Thus, any additional non-essential fields that were provided in the original table were moved to the far right end of the worksheet. Also, any comments or footnotes made or included in the original worksheet were moved to a field entitled RWPG Comments. Also note that any totals, subtotals, extra headers, etc. were deleted. Merged fields have been adjusted as needed.

Please contact TWDB staff for evaluation of alpha numbers assigned to CRMWD. Craig Caldwell (512-936-0885)

Table 6 Current Water Supplies by MWP

Major Water Provider Name	Major Water Provider Number	Type of Water Supply Source	MWP Number (Seller)	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
BCWID	450	00		F		14	14140	Lake Brownwood	23,770	23,770	23,770	23,770	23,770	23,770	Authorized Use
CRMWD	168403	02		F		14	140A0	E.V. Spence	3,000	3,000	3,000	3,000	3,000	3,000	Spence contracts
CRMWD	168404	02		F		14	140A0	O. H. Ivie	45,000	45,000	45,000	45,000	45,000	45,000	Ivie Contracts
CRMWD	168408	02		F		14	140A0	CRMWD system	96,845	95,732	94,620	93,740	92,860	91,980	CRMWD system (excluding contract amounts tied to specific reservoirs)
CRMWD	168405	00		F		14	3461401012	Beals Creek Diversion	2,000	2,000	2,000	2,000	2,000	2,000	Beals Creek Diversion
CRMWD	168407	00		F		14	3461401008C	Colorado River Diversior	7,000	7,000	7,000	7,000	7,000	7,000	Colorado River Diversion
CRMWD	168430	01		F	068	14	06813	Edwards-Trinity PT	510	510	510	510	510	510	Odessa Well Field (Ector Well Field)
CRMWD	168400	01		F	208	14	20826	Dockum	900	900	900	900	900	900	Synder Well Field
CRMWD	168410	01		F	159	14	15921	Ogallala	960	1,000	1,035	900	900	900	Martin Co Well Field
CRMWD	168445	01		F	238	23	23803	Pecos Alluvium	6,468	6,472	6,465	6,456	6,447	6,438	Ward Co Well Fields (Combine) Estimated annual yield is limited by aquifer availability.

Major Water Provider Name	Major Water Provider Number	Water User Group (Customer)	County	Type of Water Supply Source	MWP Number (Seller)	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply Source (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
Surface Water Supplies																	
BCWID	**450**			**00**		**F**		**14**	**14140**	**Lake Brownwood**	**23,770**	**23,770**	**23,770**	**23,770**	**23,770**	**23,770**	Authorized Use
BCWID	**450**	Bangs	Brown	**00**		**F**		**14**	**14140**	**Lake Brownwood**	273	263	249	243	236	234	Receive Treated Water From Brown Co Wid. No Limit In Contract. Used Demands As Allocation.
BCWID	**450**	Brownwood	Brown	**00**		**F**		**14**	**14140**	**Lake Brownwood**	4,502	4,463	4,335	4,280	4,205	4,167	Contract With Brown Co Wid. No Limit on Amount Of Water In Contract. Used Demands As Allocation.
BCWID	**450**	County-Other	Brown	**00**		**F**		**14**	**14140**	**Lake Brownwood**	1,843	1,843	1,843	1,843	1,843	1,843	Contract amount
BCWID	**450**	Early	Brown	**00**		**F**		**14**	**14140**	**Lake Brownwood**	674	674	674	674	674	674	contract amount less Zephr WSC
BCWID	**450**	Irrigation	Brown	**00**		**F**		**14**	**14140**	**Lake Brownwood**	6,970	6,970	6,970	6,970	6,970	6,970	Authorized use from water right #2454
BCWID	**450**	Manufacturing	Brown	**00**		**F**		**14**	**14140**	**Lake Brownwood**	470	508	550	590	640	693	97% of manufacturing projections
BCWID	**450**	County-Other	Coleman	**00**		**F**		**14**	**14140**	**Lake Brownwood**	9	12	12	11	11	11	Brookesmith
BCWID	**450**	Santa Anna	Coleman	**00**		**F**		**14**	**14140**	**Lake Brownwood**	258	244	230	225	219	219	Via Contract With Brookesmith Wsc
BCWID	**450**	<Unassigned>		**00**		**F**		**14**	**14140**	**Lake Brownwood**	8,771	8,793	8,907	8,934	8,972	8,959	
CRMWD	**168403**	**E.V. Spence Contracts**		**00**		**F**		**14**	**14040**	**E.V. Spence**	**3,000**	**3,000**	**3,000**	**3,000**	**3,000**	**3,000**	
CRMWD	**168403**	San Angelo									3,000	3,000	3,000	3,000	3,000	3,000	
CRMWD	**168404**	**Ivie Contracts**		**00**		**F**		**14**	**14090**	**O. H. Ivie**	**45,000**	**45,000**	**45,000**	**45,000**	**45,000**	**45,000**	Ivie Contract
		Midland	Midland								15,000	15,000	15,000	15,000	15,000	15,000	Ivie Contract
		Abeline	Taylor								15,000	15,000	15,000	15,000	15,000	15,000	contract
		San Angelo	Tom Green								15,000	15,000	15,000	15,000	15,000	15,000	Contracts With Crmwd
CRMWD	**TBD**	**CRMWD system**		**02**		**F**		**14**	**140A0**	**CRMWD system**	**96,845**	**95,732**	**94,620**	**93,740**	**92,860**	**91,980**	CRMWD system
		County-Other	Borden								11	11	11	11	11	11	
		County-Other	Coke								120	120	120	120	120	120	Sales From Robert Lee / Demand From Mining
		Robert Lee	Coke								350	350	350	350	350	350	
		County-Other	Ector								1,892	1,983	2,063	2,210	2,413	2,220	50% Of County Other Demand, From Odessa
		Manufacturing	Ector								749	814	841	855	906	950	Table 3 Demands
		Odessa	Ector								15,551	16,709	18,030	20,299	21,899	23,945	Table 3 Demands From Spence, Ivie And Thomas
		Big Spring	Howard								6,950	6,904	6,709	6,662	6,581	6,597	Projections Minus Ground Water Use
		Coahoma	Howard								171	169	162	157	151	152	Table 3
		County-Other	Howard								488	521	537	527	524	530	Table 3, 35% Of County Other
		Manufacturing	Howard								1,723	1,867	1,968	2,049	2,220	2,384	Table 3
		Steam Electric Powe	Howard								2,024	2,024	2,024	2,024	2,024	2,024	Contract Amount
		County-Other	Martin								8	8	8	8	8	8	Historical Use (Sales From Stanton)
		Stanton	Martin								379	386	384	375	362	358	Set To Demands Less Gw
		Midland	Midland								14,991	16,624	18,257	0	0	0	Crmwd 1966 Contract less ground water. Expires 2029.
		Odessa	Midland								51	55	57	62	69	77	Demands
		County-Other	Scurry								207	204	197	192	184	185	Sales From Synder
		Manufacturing	Scurry								111	388	388	388	388	388	
		Snyder	Scurry								3,005	3,091	3,128	3,182	3,208	3,270	Set To Demands Less City Wells
		Rotan	Fisher								276	250	231	210	197	187	
		Manufacturing	Fisher								16	17	19	21	23	25	
		County-Other	Fisher								152	140	131	122	115	108	
		Not assigned									47,620	43,097	39,005	53,916	51,107	48,091	
CRMWD	**168405**	**Beals Creek Diversion**		**00**		**F**		**14**	**3461401012**	**Beals Creek Diversion**	**2,000**	**2,000**	**2,000**	**2,000**	**2,000**	**2,000**	
		Mining	Howard								2,000	2,000	2,000	2,000	2,000	2,000	Limited To Water Right (Diversions)
CRMWD	**168406**	**Colorado River Diversions**		**00**		**F**		**14**	**3461401008C**	**Colorado River Diver**	**7,000**	**7,000**	**7,000**	**7,000**	**7,000**	**7,000**	
		Mining	Coke								1000	1000	1000	1000	1000	1000	
		Mining	Mitchell								500	500	500	500	500	500	
		Mining	Scurry								2000	2000	2000	2000	2000	2000	
Ground Water Supplies																	
CRMWD	**168430**			**01**		**F**	**068**	**14**	**06813**	**Edwards-Trinity PT**	**510**	**510**	**510**	**510**	**510**	**510**	Odessa Well Field (Ector Well Field)

Major Water Provider Name	Major Water Provider Number	Water User Group (Customer)	County	Type of Water Supply Source	MWP Number (Seller)	Location of Supply Source (RWPG Letter)	Location of Groundwater Supply Source (County Number)	Location of Supply Source (Basin Number)	Specific Source Indentifier	Specific Source Name	Available Supply for the Year 2000 (Ac-Ft)	Available Supply for the Year 2010 (Ac-Ft)	Available Supply for the Year 2020 (Ac-Ft)	Available Supply for the Year 2030 (Ac-Ft)	Available Supply for the Year 2040 (Ac-Ft)	Available Supply for the Year 2050 (Ac-Ft)	Comments
		Odessa	Ector								432	456	484	510	510	510	Crmwd Ectorgw Field. Limited To 5,696 Available From Source
CRMWD	**168400**			**01**		**F**	**208**	**14**	**20826**	**Dockum**	**900**	**900**	**900**	**900**	**900**	**900**	Synder Well Field
		TOTAL															
		Snyder	Scurry								30	31	32	32	32	33	City Wells
CRMWD	**168410**			**01**		**F**	**159**	**14**	**15921**	**Ogallala**	**960**	**1,000**	**1,035**	**900**	**900**	**900**	Martin Co Well Field
		County-Other	Ector								53	55	57	61	64	62	Martin County Well Field
		Manufacturing	Ector								21	23	23	24	25	26	Martin County Well Field
		Odessa	Ector								400	400	400	531	565	607	Crmwd Gw Martin Field (Limited To Distribution On Table 3)
		Big Spring	Howard								142	141	137	136	134	135	Crmwd Gw Martin Field (Limited To Distribution On Table 3)
		Coahoma	Howard								3	3	3	3	3	3	Table 3, Martin County
		Manufacturing	Howard								35	38	40	42	45	49	Table 3, Martin County
		Midland	Midland								306	340	373	0	0	0	Crmwd Gw Martin Field (Limited To Distribution On Table 3)
CRMWD	**168445**			**01**		**F**	**238**	**23**	**23803**	**Pecos Alluvium**	**6,468**	**6,472**	**6,465**	**6,456**	**6,447**	**6,438**	Ward Co Well Fields (Combine) Estimated annual yield is limited by aquifer availability.
		County-Other	Ector								660	660	660	660	660	660	Ward County Well Field, Limited By Source
		Manufacturing	Ector								250	250	250	250	250	250	Ward County Well Field
		Odessa	Ector								5,200	5,200	5,200	5,200	5,200	5,200	Limited By Source
		County-Other	Ward								142	158	168	167	160	149	CRMWD Ward Well Field. 25% of County-other demands.
		Grandfalls	Ward								216	204	187	179	177	179	Crmwd Ward Well Field. Limited To 18,304 Available From Source. Used Demands

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 7

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

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TWDB staff highlighted those fields in the worksheet where data entries may need correction or clarification, as noted under the TWDB REVIEW COMMENTS column.

Also, cells in bold represent revisions performed by TWDB staff. Those revisions represent random review of cells and the corrections performed by TWDB staff. Please contact TWDB staff to discuss any need for additional clarification in those specific cases.

The worksheets have been slightly modified for quality assurance purposes and to reflect the table structure needed for database development. Thus, any additional non-essential fields that were provided in the original table were moved to the far right end of the worksheet. Also, any comments or footnotes made or included in the original worksheet were moved to a field entitled RWPG Comments. Also note that any totals, subtotals, extra headers, etc. were deleted. Merged fields have been adjusted as needed.

Table 7 Comparison of Water Demands with Current Supplies

A	B	C	D	E	F	G	H	I	J	K	L	M
WUGNAME	**WUGNUM**	**RWPG**	**SEQ#**	**CITY#**	**COUNTY#**	**BASIN#**	**2000**	**2010**	**2020**	**2030**	**2040**	**2050**
ANDREWS	60026000	F	26	17	2	14	386	216	132	74	71	33
COUNTY-OTHER	60996002	F	996	757	2	14	125	146	168	182	192	216
COUNTY-OTHER	60996002	F	996	757	2	23	0	1	1	1	1	2
IRRIGATION	61004002	F	1004	1004	2	14	-2,388	-1,206	-1,046	-911	-752	-593
IRRIGATION	61004002	F	1004	1004	2	23	0	0	0	0	0	0
LIVESTOCK	61005002	F	1005	1005	2	14	0	0	0	0	0	0
LIVESTOCK	61005002	F	1005	1005	2	23	52	52	52	52	52	52
MANUFACTURING	61001002	F	1001	1001	2	14	157	155	154	154	148	142
MANUFACTURING	61001002	F	1001	1001	2	23	0	0	0	0	0	0
MINING	61003002	F	1003	1003	2	14	8	712	1,723	2,069	2,286	2,343
MINING	61003002	F	1003	1003	2	23	104	98	79	59	36	10
STEAM ELECTRIC POWER	61002002	F	1002	1002	2	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002002	F	1002	1002	2	23	0	0	0	0	0	0
COUNTY-OTHER	60996017	F	996	757	17	12	0	0	0	0	0	0
COUNTY-OTHER	60996017	F	996	757	17	14	13	16	26	37	44	51
GAIL	60326000	F	326	224	17	14	0	0	0	0	0	0
IRRIGATION	61004017	F	1004	1004	17	12	-3,813	-3,808	-3,802	-3,795	-3,790	-3,784
IRRIGATION	61004017	F	1004	1004	17	14	-4,896	-4,884	-4,871	-4,858	-4,845	-4,833
LIVESTOCK	61005017	F	1005	1005	17	12	17	17	17	17	17	17
LIVESTOCK	61005017	F	1005	1005	17	14	112	112	112	112	112	112
MANUFACTURING	61001017	F	1001	1001	17	12	0	0	0	0	0	0
MANUFACTURING	61001017	F	1001	1001	17	14	41	32	21	9	-5	-20
MINING	61003017	F	1003	1003	17	12	0	0	0	0	0	0
MINING	61003017	F	1003	1003	17	14	80	236	313	337	349	342
STEAM ELECTRIC POWER	61002017	F	1002	1002	17	12	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002017	F	1002	1002	17	14	0	0	0	0	0	0

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
BANGS	60054000	F	54	37	25	14	0	0	-249	-243	-236	-234
BROWNWOOD	60120000	F	120	81	25	14	0	0	-4,335	-4,280	-4,205	-4,167
COUNTY-OTHER	60996025	F	996	757	25	14	-135	-321	-447	-570	-581	-525
COUNTY-OTHER	60996025	F	996	757	25	12	-3	-4	-4	-5	-5	-5
EARLY	60259000	F	259	174	25	14	126	97	76	-621	-631	-650
IRRIGATION	61004025	F	1004	1004	25	12	0	0	0	0	0	0
IRRIGATION	61004025	F	1004	1004	25	14	982	1,017	1,053	1,088	1,124	1,160
LIVESTOCK	61005025	F	1005	1005	25	12	11	11	11	11	11	11
LIVESTOCK	61005025	F	1005	1005	25	14	391	391	391	391	391	391
MANUFACTURING	61001025	F	1001	1001	25	12	0	0	0	0	0	0
MANUFACTURING	61001025	F	1001	1001	25	14	9	8	7	6	4	3
MINING	61003025	F	1003	1003	25	12	0	0	0	-1	-1	-1
MINING	61003025	F	1003	1003	25	14	2,088	2,110	2,192	2,212	2,239	2,255
STEAM ELECTRIC POWER	61002025	F	1002	1002	25	12	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002025	F	1002	1002	25	14	0	0	0	0	0	0
BRONTE VILLAGE	60114000	F	114	683	41	14	175	179	189	194	195	197
COUNTY-OTHER	60996041	F	996	757	41	14	67	67	74	70	74	73
IRRIGATION	61004041	F	1004	1004	41	14	142	143	143	144	145	145
LIVESTOCK	61005041	F	1005	1005	41	14	0	0	0	0	0	0
MANUFACTURING	61001041	F	1001	1001	41	14	0	0	0	0	0	0
MINING	61003041	F	1003	1003	41	14	987	1,030	1,089	1,127	1,155	1,174
ROBERT LEE	60759000	F	759	506	41	14	393	393	48	43	35	25
STEAM ELECTRIC POWER	61002041	F	1002	1002	41	14	165	165	165	165	165	165
COLEMAN	60184000	F	184	123	42	14	707	768	848	893	906	915
COUNTY-OTHER	60996042	F	996	757	42	14	0	0	0	0	0	0
IRRIGATION	61004042	F	1004	1004	42	14	934	946	957	969	980	991
LIVESTOCK	61005042	F	1005	1005	42	14	396	396	396	396	396	396
MANUFACTURING	61001042	F	1001	1001	42	14	0	0	0	0	0	0
MINING	61003042	F	1003	1003	42	14	2	1	1	0	0	0
SANTA ANNA	60803000	F	803	540	42	14	0	0	-230	-225	-219	-219

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
STEAM ELECTRIC POWER	61002042	F	1002	1002	42	14	0	0	0	0	0	0
COUNTY-OTHER	60996048	F	996	757	48	14	550	-36	-30	-27	-13	-29
EDEN	60266000	F	266	179	48	14	77	-531	-529	-531	-533	-545
IRRIGATION	61004048	F	1004	1004	48	14	0	0	0	0	0	0
LIVESTOCK	61005048	F	1005	1005	48	14	0	0	0	0	0	0
MANUFACTURING	61001048	F	1001	1001	48	14	0	0	0	0	0	0
MINING	61003048	F	1003	1003	48	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002048	F	1002	1002	48	14	0	0	0	0	0	0
COUNTY-OTHER	60996052	F	996	757	52	23	0	0	0	0	0	0
CRANE	60211000	F	211	139	52	23	334	242	189	120	84	29
IRRIGATION	61004052	F	1004	1004	52	23	0	0	0	0	0	0
LIVESTOCK	61005052	F	1005	1005	52	23	11	11	11	11	11	11
MANUFACTURING	61001052	F	1001	1001	52	23	0	0	0	0	0	0
MINING	61003052	F	1003	1003	52	23	-3	588	811	887	892	857
STEAM ELECTRIC POWER	61002052	F	1002	1002	52	23	0	0	0	0	0	0
COUNTY-OTHER	60996053	F	996	757	53	14	0	0	0	0	0	0
COUNTY-OTHER	60996053	F	996	757	53	23	0	0	0	0	0	0
IRRIGATION	61004053	F	1004	1004	53	14	0	0	0	0	0	0
IRRIGATION	61004053	F	1004	1004	53	23	61	68	76	83	90	97
LIVESTOCK	61005053	F	1005	1005	53	14	1	1	1	1	1	1
LIVESTOCK	61005053	F	1005	1005	53	23	8	8	8	8	8	8
MANUFACTURING	61001053	F	1001	1001	53	14	0	0	0	0	0	0
MANUFACTURING	61001053	F	1001	1001	53	23	12	10	8	7	3	1

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
MINING	61003053	F	1003	1003	53	14	0	0	0	0	0	0
MINING	61003053	F	1003	1003	53	23	32	154	208	232	249	244
OZONA	60665000	F	665	446	53	23	75	59	54	47	41	27
STEAM ELECTRIC POWER	61002053	F	1002	1002	53	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002053	F	1002	1002	53	23	477	-1,889	-1,889	-1,889	-1,889	-1,889
COUNTY-OTHER	60996068	F	996	757	68	14	781	599	434	130	0	32
COUNTY-OTHER	60996068	F	996	757	68	23	0	0	0	0	0	0
IRRIGATION	61004068	F	1004	1004	68	14	61	169	271	373	478	581
IRRIGATION	61004068	F	1004	1004	68	23	432	433	434	435	436	437
LIVESTOCK	61005068	F	1005	1005	68	14	1	1	1	1	1	1
LIVESTOCK	61005068	F	1005	1005	68	23	14	14	14	14	14	14
MANUFACTURING	61001068	F	1001	1001	68	14	2,734	2,614	2,567	2,538	2,445	2,367
MANUFACTURING	61001068	F	1001	1001	68	23	0	0	0	0	0	0
MINING	61003068	F	1003	1003	68	14	-6,268	-5,949	-5,546	-5,350	-5,256	-5,216
MINING	61003068	F	1003	1003	68	23	557	557	556	555	554	553
ODESSA	60652000	F	652	438	68	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002068	F	1002	1002	68	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002068	F	1002	1002	68	23	0	0	0	0	0	0
COUNTY-OTHER	60996087	F	996	757	87	14	0	0	0	0	0	0
GARDEN CITY	60331000	F	331	229	87	14	0	0	0	0	0	0
IRRIGATION	61004087	F	1004	1004	87	14	-47,853	-47,316	-46,773	-46,231	-45,686	-45,145
LIVESTOCK	61005087	F	1005	1005	87	14	0	0	0	0	0	0

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
MANUFACTURING	61001087	F	1001	1001	87	14	0	0	0	0	0	0
MINING	61003087	F	1003	1003	87	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002087	F	1002	1002	87	14	0	0	0	0	0	0
BIG SPRING	60085000	F	85	58	114	14	0	0	0	0	0	0
COAHOMA	60181000	F	181	120	114	14	53	53	53	53	53	53
COUNTY-OTHER	60996114	F	996	757	114	14	94	28	0	17	23	13
IRRIGATION	61004114	F	1004	1004	114	14	0	0	2	0	0	0
LIVESTOCK	61005114	F	1005	1005	114	14	0	0	0	0	0	0
MANUFACTURING	61001114	F	1001	1001	114	14	147	98	64	36	5	-1
MINING	61003114	F	1003	1003	114	14	933	954	964	959	954	945
STEAM ELECTRIC POWER	61002114	F	1002	1002	114	14	644	644	644	644	644	644
COUNTY-OTHER	60996118	F	996	757	118	14	0	0	0	0	0	0
IRRIGATION	61004118	F	1004	1004	118	14	-6	63	133	203	272	342
LIVESTOCK	61005118	F	1005	1005	118	14	0	0	0	0	0	0
MANUFACTURING	61001118	F	1001	1001	118	14	0	0	0	0	0	0
MERTZON	60591000	F	591	400	118	14	41	41	41	41	41	41
MINING	61003118	F	1003	1003	118	14	123	124	126	127	127	127
STEAM ELECTRIC POWER	61002118	F	1002	1002	118	14	0	0	0	0	0	0
COUNTY-OTHER	60996134	F	996	757	134	14	0	0	0	0	0	0
IRRIGATION	61004134	F	1004	1004	134	14	1,148	1,187	1,227	1,267	1,306	1,346
JUNCTION	60455000	F	455	310	134	14	-78	-63	-33	-22	-16	-15
LIVESTOCK	61005134	F	1005	1005	134	14	0	0	0	0	0	0
MANUFACTURING	61001134	F	1001	1001	134	14	-957	-1,097	-1,169	-1,229	-1,387	-1,549
MINING	61003134	F	1003	1003	134	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002134	F	1002	1002	134	14	0	0	0	0	0	0
COUNTY-OTHER	60996151	F	996	757	151	23	1	-1	-1	-1	-1	-1
IRRIGATION	61004151	F	1004	1004	151	23	-258	-256	-254	-252	-250	-248
LIVESTOCK	61005151	F	1005	1005	151	23	0	0	0	0	0	0

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
MANUFACTURING	61001151	F	1001	1001	151	23	0	0	0	0	0	0
MENTONE	60587000	F	587	396	151	23	-1	1	2	3	3	4
MINING	61003151	F	1003	1003	151	23	0	1	0	0	0	0
STEAM ELECTRIC POWER	61002151	F	1002	1002	151	23	0	0	0	0	0	0
BRADY	60105000	F	105	71	154	14	119	-1,871	-1,827	-1,803	-1,779	-1,775
COUNTY-OTHER	60996154	F	996	757	154	14	424	-833	-799	-784	-771	-768
IRRIGATION	61004154	F	1004	1004	154	14	442	478	515	551	588	624
LIVESTOCK	61005154	F	1005	1005	154	14	0	0	0	0	0	0
MANUFACTURING	61001154	F	1001	1001	154	14	-13	-64	-115	-170	-224	-279
MINING	61003154	F	1003	1003	154	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002154	F	1002	1002	154	14	0	0	0	0	0	0
COUNTY-OTHER	60996159	F	996	757	159	14	0	0	0	0	0	0
IRRIGATION	61004159	F	1004	1004	159	14	-333	-125	0	0	0	0
LIVESTOCK	61005159	F	1005	1005	159	14	0	0	0	0	0	0
MANUFACTURING	61001159	F	1001	1001	159	14	0	0	0	0	0	0
MINING	61003159	F	1003	1003	159	14	-928	-712	-586	-157	72	230
STANTON	60858000	F	858	579	159	14	61	-325	-323	-314	-301	-297
STEAM ELECTRIC POWER	61002159	F	1002	1002	159	14	0	0	0	0	0	0
COUNTY-OTHER	60996160	F	996	757	160	14	0	0	0	0	0	0
IRRIGATION	61004160	F	1004	1004	160	14	1,049	1,295	1,541	1,787	2,033	2,279
LIVESTOCK	61005160	F	1005	1005	160	14	0	0	0	0	0	0
MANUFACTURING	61001160	F	1001	1001	160	14	0	0	0	0	0	0
MASON	60569000	F	569	390	160	14	0	0	0	0	0	0
MINING	61003160	F	1003	1003	160	14	0	0	2	5	6	6

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
STEAM ELECTRIC POWER	61002160	F	1002	1002	160	14	0	0	0	0	0	0
COUNTY-OTHER	60996164	F	996	757	164	14	9	14	19	24	27	27
IRRIGATION	61004164	F	1004	1004	164	14	0	0	0	0	0	0
LIVESTOCK	61005164	F	1005	1005	164	14	0	0	0	0	0	0
MANUFACTURING	61001164	F	1001	1001	164	14	0	0	0	0	0	0
MENARD	60586000	F	586	395	164	14	-39	-26	-18	-10	-2	-1
MINING	61003164	F	1003	1003	164	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002164	F	1002	1002	164	14	0	0	0	0	0	0
COUNTY-OTHER	60996165	F	996	757	165	14	0	0	0	0	0	0
IRRIGATION	61004165	F	1004	1004	165	14	-34,640	-32,371	-30,405	-28,042	-25,414	-21,752
LIVESTOCK	61005165	F	1005	1005	165	14	0	0	0	0	0	0
MANUFACTURING	61001165	F	1001	1001	165	14	-37	-49	-62	-76	-90	-104
MIDLAND	60595000	F	595	404	165	14	6,274	4,968	4,115	-17,861	-21,862	-26,967
MINING	61003165	F	1003	1003	165	14	-669	-318	-159	-80	-26	0
ODESSA	60652000	F	652	438	165	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002165	F	1002	1002	165	14	0	0	0	0	0	0
COLORADO CITY	60189000	F	189	126	168	14	1,132	1,182	1,243	1,309	1,369	1,408
COUNTY-OTHER	60996168	F	996	757	168	12	0	0	0	0	1	1
COUNTY-OTHER	60996168	F	996	757	168	14	0	0	0	0	0	0
IRRIGATION	61004168	F	1004	1004	168	12	0	0	0	0	0	0
IRRIGATION	61004168	F	1004	1004	168	14	197	209	220	231	242	253
LIVESTOCK	61005168	F	1005	1005	168	12	0	0	0	0	0	0
LIVESTOCK	61005168	F	1005	1005	168	14	0	0	0	0	0	0
LORAINE	60540000	F	540	902	168	14	9	18	29	36	38	38
MANUFACTURING	61001168	F	1001	1001	168	12	0	0	0	0	0	0
MANUFACTURING	61001168	F	1001	1001	168	14	0	0	0	0	0	0
MINING	61003168	F	1003	1003	168	12	0	0	0	0	0	0
MINING	61003168	F	1003	1003	168	14	777	894	947	974	991	1,000
STEAM ELECTRIC POWER	61002168	F	1002	1002	168	12	0	0	0	0	0	0

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
STEAM ELECTRIC POWER	61002168	F	1002	1002	168	14	-30	-457	-1,364	-2,439	-3,721	-5,263
COUNTY-OTHER	60996186	F	996	757	186	23	172	156	169	180	197	231
FORT STOCKTON	60310000	F	310	212	186	23	2,708	2,553	2,514	2,499	2,508	2,492
IRAAN	60436000	F	436	708	186	23	0	0	0	0	0	0
IRRIGATION	61004186	F	1004	1004	186	23	6	6	6	6	6	6
LIVESTOCK	61005186	F	1005	1005	186	23	6	6	6	6	6	6
MANUFACTURING	61001186	F	1001	1001	186	23	1	0	-2	-3	-5	-7
MINING	61003186	F	1003	1003	186	23	-33	22	26	23	19	12
STEAM ELECTRIC POWER	61002186	F	1002	1002	186	23	0	0	0	0	0	0
BIG LAKE	60083000	F	83	56	192	14	82	41	20	17	0	0
COUNTY-OTHER	60996192	F	996	757	192	14	0	0	0	0	0	0
COUNTY-OTHER	60996192	F	996	757	192	23	0	0	0	0	0	0
IRRIGATION	61004192	F	1004	1004	192	14	-18,633	-17,877	-17,118	-16,357	-15,676	-14,982
IRRIGATION	61004192	F	1004	1004	192	23	0	0	0	0	0	0
LIVESTOCK	61005192	F	1005	1005	192	14	-10	-10	-10	-10	-10	-10
LIVESTOCK	61005192	F	1005	1005	192	23	-5	-5	-5	-5	-5	-5
MANUFACTURING	61001192	F	1001	1001	192	14	0	0	0	0	0	0
MANUFACTURING	61001192	F	1001	1001	192	23	0	0	0	0	0	0
MINING	61003192	F	1003	1003	192	14	-1,589	-1,524	-1,474	-1,427	-1,439	-1,481
MINING	61003192	F	1003	1003	192	23	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002192	F	1002	1002	192	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002192	F	1002	1002	192	23	0	0	0	0	0	0
BALMORHEA	60052000	F	52	818	195	23	33	40	47	54	62	68
COUNTY-OTHER	60996195	F	996	757	195	23	23	-21	-48	-71	-86	-72
IRRIGATION	61004195	F	1004	1004	195	23	-39,164	-38,275	-37,386	-36,497	-35,607	-34,718

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
LIVESTOCK	61005195	F	1005	1005	195	23	-8	-8	-8	-8	-8	-8
MANUFACTURING	61001195	F	1001	1001	195	23	1	0	0	0	-1	-2
MINING	61003195	F	1003	1003	195	23	-175	-136	-116	-113	-112	-115
PECOS	60687000	F	687	460	195	23	80	285	207	149	115	43
STEAM ELECTRIC POWER	61002195	F	1002	1002	195	23	0	0	0	0	0	0
TOYAH	60996195	F	996	757	195	23	0	0	0	0	0	0
BALLINGER	60051000	F	51	35	200	14	0	0	0	0	0	0
COUNTY-OTHER	60996200	F	996	757	200	14	21	21	21	21	6	-51
IRRIGATION	61004200	F	1004	1004	200	14	1,943	1,972	2,002	2,032	2,041	2,014
LIVESTOCK	61005200	F	1005	1005	200	14	261	261	261	261	261	261
MANUFACTURING	61001200	F	1001	1001	200	14	0	0	0	0	-5	-22
MILES	60597000	F	597	915	200	14	1	6	13	19	27	31
MINING	61003200	F	1003	1003	200	14	5	12	14	15	15	15
STEAM ELECTRIC POWER	61002200	F	1002	1002	200	14	0	0	0	0	0	0
WINTERS	60982000	F	982	662	200	14	0	0	0	0	0	0
COUNTY-OTHER	60996207	F	996	757	207	14	23	26	30	35	40	44
COUNTY-OTHER	60996207	F	996	757	207	23	-1	0	2	3	5	6
ELDORADO	60276000	F	276	186	207	14	25	6	4	4	6	2
IRRIGATION	61004207	F	1004	1004	207	14	0	29	58	88	117	147
IRRIGATION	61004207	F	1004	1004	207	23	193	199	205	211	217	223
LIVESTOCK	61005207	F	1005	1005	207	14	60	60	60	60	60	60
LIVESTOCK	61005207	F	1005	1005	207	23	21	21	21	21	21	21
MANUFACTURING	61001207	F	1001	1001	207	14	0	0	0	0	0	0

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
MANUFACTURING	61001207	F	1001	1001	207	23	0	0	0	0	0	0
MINING	61003207	F	1003	1003	207	14	3	25	43	46	48	45
MINING	61003207	F	1003	1003	207	23	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002207	F	1002	1002	207	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002207	F	1002	1002	207	23	0	0	0	0	0	0
COUNTY-OTHER	60996208	F	996	757	208	12	-5	-3	4	8	16	15
COUNTY-OTHER	60996208	F	996	757	208	14	6	12	27	36	52	49
IRRIGATION	61004208	F	1004	1004	208	12	25	55	85	114	144	173
IRRIGATION	61004208	F	1004	1004	208	14	392	468	544	621	697	773
LIVESTOCK	61005208	F	1005	1005	208	12	-9	-9	-9	-9	-9	-9
LIVESTOCK	61005208	F	1005	1005	208	14	-1	-1	-1	-1	-1	-1
MANUFACTURING	61001208	F	1001	1001	208	12	0	0	0	0	0	0
MANUFACTURING	61001208	F	1001	1001	208	14	0	0	0	0	0	0
MINING	61003208	F	1003	1003	208	12	132	493	645	665	643	581
MINING	61003208	F	1003	1003	208	14	1,974	2,188	2,235	2,268	2,288	2,285
SNYDER	60837000	F	837	565	208	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002208	F	1002	1002	208	12	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002208	F	1002	1002	208	14	0	0	0	0	0	0
COUNTY-OTHER	60996216	F	996	757	216	14	3	4	6	7	10	18
IRRIGATION	61004216	F	1004	1004	216	14	94	131	166	201	234	267
LIVESTOCK	61005216	F	1005	1005	216	14	0	0	0	0	0	0
MANUFACTURING	61001216	F	1001	1001	216	14	0	0	0	0	0	0
MINING	61003216	F	1003	1003	216	14	15	163	180	188	192	189
STEAM ELECTRIC POWER	61002216	F	1002	1002	216	14	0	0	0	0	0	0
STERLING CITY	60860000	F	860	581	216	14	0	0	0	0	0	0
COUNTY-OTHER	60996218	F	996	757	218	14	-10	-7	-4	1	5	10

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
COUNTY-OTHER	60996218	F	996	757	218	23	-15	-1	14	41	64	90
IRRIGATION	61004218	F	1004	1004	218	14	-22	-9	4	17	30	43
IRRIGATION	61004218	F	1004	1004	218	23	235	264	293	322	351	380
LIVESTOCK	61005218	F	1005	1005	218	14	41	41	41	41	41	41
LIVESTOCK	61005218	F	1005	1005	218	23	48	48	48	48	48	48
MANUFACTURING	61001218	F	1001	1001	218	14	0	0	0	0	0	0
MANUFACTURING	61001218	F	1001	1001	218	23	0	0	0	0	0	0
MINING	61003218	F	1003	1003	218	14	0	0	0	0	0	0
MINING	61003218	F	1003	1003	218	23	0	0	0	0	0	0
SONORA	60841000	F	841	567	218	23	36	0	0	0	0	0
STEAM ELECTRIC POWER	61002218	F	1002	1002	218	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002218	F	1002	1002	218	23	0	0	0	0	0	0
COUNTY-OTHER	60996226	F	996	757	226	14	19	-141	-175	-728	-931	-946
IRRIGATION	61004226	F	1004	1004	226	14	-37,863	-37,616	-37,370	-37,164	-36,959	-36,753
LIVESTOCK	61005226	F	1005	1005	226	14	200	200	200	200	200	200
MANUFACTURING	61001226	F	1001	1001	226	14	72	63	55	47	34	20
MINING	61003226	F	1003	1003	226	14	113	111	108	105	102	99
SAN ANGELO	60788000	F	788	529	226	14	4,658	2,503	607	-887	-3,420	-6,288
STEAM ELECTRIC POWER	61002226	F	1002	1002	226	14	582	-2,156	-2,231	-2,294	-2,382	-2,470
COUNTY-OTHER	60996231	F	996	757	231	14	0	0	1	0	0	1
COUNTY-OTHER	60996231	F	996	757	231	23	0	0	2	1	0	2
IRRIGATION	61004231	F	1004	1004	231	14	-5,343	-5,066	-4,789	-4,513	-4,236	-3,959
IRRIGATION	61004231	F	1004	1004	231	23	200	200	200	200	200	200
LIVESTOCK	61005231	F	1005	1005	231	14	0	0	0	0	0	0

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
LIVESTOCK	61005231	F	1005	1005	231	23	60	60	60	60	60	60
MANUFACTURING	61001231	F	1001	1001	231	14	0	0	0	0	0	0
MANUFACTURING	61001231	F	1001	1001	231	23	0	0	0	0	0	0
MCCAMEY	60575000	F	575	377	231	23	48	20	15	24	41	51
MINING	61003231	F	1003	1003	231	14	-1,817	-1,362	-1,282	-1,266	-1,281	-1,319
MINING	61003231	F	1003	1003	231	23	30	93	108	127	137	124
RANKIN	60736000	F	736	494	231	23	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002231	F	1002	1002	231	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002231	F	1002	1002	231	23	0	0	0	0	0	0
BARSTOW	60056000	F	56	819	238	23	0	0	0	0	0	0
COUNTY-OTHER	60996238	F	996	757	238	23	0	0	0	0	0	0
GRANDFALLS	60355000	F	355	874	238	23	0	0	-187	-179	-177	-179
IRRIGATION	61004238	F	1004	1004	238	23	-5,430	-5,287	-5,066	-4,806	-4,508	-4,264
LIVESTOCK	61005238	F	1005	1005	238	23	-6	-6	-6	-6	-6	-6
MANUFACTURING	61001238	F	1001	1001	238	23	0	0	0	0	0	0
MINING	61003238	F	1003	1003	238	23	-635	-495	-318	-231	-190	-194
MONAHANS	60604000	F	604	410	238	23	1,200	1,200	1,200	1,200	1,200	1,200
STEAM ELECTRIC POWER	61002238	F	1002	1002	238	23	228	-367	-1,580	-3,023	-4,730	-6,782
THORNTONVILLE	60895000	F	895	971	238	23	0	0	0	0	0	0
WICKETT	60971000	F	971	992	238	23	0	0	0	0	0	0
COUNTY-OTHER	60996248	F	996	757	248	14	0	0	0	0	0	0
COUNTY-OTHER	60996248	F	996	757	248	23	3	4	5	7	9	40
IRRIGATION	61004248	F	1004	1004	248	14	0	0	0	0	0	0
IRRIGATION	61004248	F	1004	1004	248	23	0	0	0	0	0	0
KERMIT	60467000	F	467	319	248	23	0	0	0	0	0	0
LIVESTOCK	61005248	F	1005	1005	248	14	-1	-1	-1	-1	-1	-1
LIVESTOCK	61005248	F	1005	1005	248	23	-2	-2	-2	-2	-2	-2
MANUFACTURING	61001248	F	1001	1001	248	14	0	0	0	0	0	0

Table 7 Comparison of Water Demands with Current Supplies

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040	2050
MANUFACTURING	61001248	F	1001	1001	248	23	0	0	0	0	0	0
MINING	61003248	F	1003	1003	248	14	0	0	0	0	0	0
MINING	61003248	F	1003	1003	248	23	0	161	335	504	580	542
STEAM ELECTRIC POWER	61002248	F	1002	1002	248	14	0	0	0	0	0	0
STEAM ELECTRIC POWER	61002248	F	1002	1002	248	23	0	0	0	0	0	0
WINK	60979000	F	979	659	248	23	0	0	0	0	0	0

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 8

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

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Table 8 Comparison of Water Demands with Current Supplies by MWP

A	B	C	D	E	F	G	H	I	J		
Major Water Provider Name	**Major Water Provider Number**	**County Number**	**Basin Number**	**n2000**	**n2010**	**n2020**	**n2030**	**n2040**	**n2050**	**WUG Name**	**Source**
BCWID	450	25	14	0	0	0	0	0	0	Bangs	Lake Brownwood
BCWID	450	25	14	0	0	0	0	0	0	Brownwood	Lake Brownwood
BCWID	450	25	14	0	0	0	0	0	0	County-Other	Lake Brownwood
BCWID	450	25	14	126	97	76	53	43	24	Early	Lake Brownwood
BCWID	450	25	14	128	151	174	197	220	244	Irrigation	Lake Brownwood
BCWID	450	25	14	0	0	0	0	0	0	Manufacturing	Lake Brownwood
BCWID	450	42	14	0	0	0	0	0	0	County-Other	Lake Brownwood
BCWID	450	42	14	0	0	0	0	0	0	Santa Anna	Lake Brownwood
BCWID	450		14	8,771	8,793	8,907	8,934	8,972	8,959	<unassigned>	Lake Brownwood
CRMWD	168402	226	14	0	0	0	0	0	0	San Angelo	E.V. Spence
CRMWD	168404	165	14	0	0	0	0	0	0	Midland	O. H. Ivie
CRMWD	168404	221	12	0	0	0	0	0	0	Abeline	O. H. Ivie
CRMWD	168404	226	14	0	0	0	0	0	0	San Angelo	O. H. Ivie
CRMWD	168408	17	14	0	0	0	0	0	0	County-Other	CRMWD system
CRMWD	168408	41	14	0	0	0	0	0	0	County-Other	CRMWD system
CRMWD	168408	41	14	0	0	0	0	0	0	Robert Lee	CRMWD system
CRMWD	168408	68	14	0	0	0	0	0	0	County-Other	CRMWD system
CRMWD	168408	68	14	0	0	0	0	0	0	Manufacturing	CRMWD system
CRMWD	168408	68	14	0	0	0	0	0	0	Odessa	CRMWD system
CRMWD	168408	114	14	0	0	0	0	0	0	Big Spring	CRMWD system
CRMWD	168408	114	14	0	0	0	0	0	0	Coahoma	CRMWD system
CRMWD	168408	114	14	0	0	0	0	0	0	County-Other	CRMWD system
CRMWD	168408	114	14	0	0	0	0	0	0	Manufacturing	CRMWD system
CRMWD	168408	114	14	644	644	644	644	644	644	Steam Electric Power	CRMWD system
CRMWD	168408	159	14	0	0	0	0	0	0	County-Other	CRMWD system
CRMWD	168408	159	14	0	0	0	0	0	0	Stanton	CRMWD system

Table 8 Comparison of Water Demands with Current Supplies by MWP

A	B	C	D	E	F	G	H	I	J		
Major Water Provider Name	**Major Water Provider Number**	**County Number**	**Basin Number**	**n2000**	**n2010**	**n2020**	**n2030**	**n2040**	**n2050**	**WUG Name**	**Source**
CRMWD	168408	165	14	0	0	0	0	0	0	Midland	CRMWD system
CRMWD	168408	165	14	0	0	0	0	0	0	Odessa	CRMWD system
CRMWD	168408	208	14	0	0	0	0	0	0	County-Other	CRMWD system
CRMWD	168408	208	14	0	0	0	0	0	0	Manufacturing	CRMWD system
CRMWD	168408	208	14	0	0	0	0	0	0	Snyder	CRMWD system
CRMWD	168408	76	12	0	0	0	0	0	0	Rotan	CRMWD system
CRMWD	168408	76	12	0	0	0	0	0	0	Manufacturing	CRMWD system
CRMWD	168408	76	12	0	0	0	0	0	0	County-Other	CRMWD system
CRMWD	168408			47,620	43,097	39,005	53,916	51,107	48,091	<unassigned>	CRMWD system
CRMWD	168405	114	14	1,593	1,612	1,621	1,617	1,612	1,604	Mining	Beals Creek Diversion
CRMWD	168407	42	14	896	913	936	952	963	970	Mining	Colorado River Diversion
CRMWD	168407	168	14	359	359	394	447	474	491	Mining	Colorado River Diversion
CRMWD	168407	208	14	879	879	879	879	879	879	Mining	Colorado River Diversion
CRMWD	168407		14	3,500	3,500	3,500	3,500	3,500	3,500	<unassigned>	Colorado River Diversion
CRMWD	168430	68	14	0	0	0	0	0	0	Odessa	Edwards-Trinity PT
CRMWD	168430		14	78	54	26	0	0	0	<unassigned>	Edwards-Trinity PT
CRMWD	168400	208	14	0	0	0	0	0	0	Snyder	Dockum
CRMWD	168400		14	870	869	868	868	868	867	<unassigned>	Edwards-Trinity PT
CRMWD	168410	68	14	0	0	0	0	0	0	County-Other	Ogallala
CRMWD	168410	68	14	0	0	0	0	0	0	Manufacturing	Ogallala
CRMWD	168410	68	14	0	0	0	0	0	0	Odessa	Ogallala
CRMWD	168410	114	14	0	0	0	0	0	0	Big Spring	Ogallala
CRMWD	168410	114	14	0	0	0	0	0	0	Coahoma	Ogallala
CRMWD	168410	114	14	0	0	0	0	0	0	Manufacturing	Ogallala
CRMWD	168410	165	14	0	0	0	0	0	0	Midland	Ogallala
CRMWD	168410		14	0	0	2	103	64	18	<unassigned>	Ogallala
CRMWD	168445	68	14	0	0	0	0	0	0	County-Other	Pecos Alluvium
CRMWD	168445	68	14	0	0	0	0	0	0	Manufacturing	Pecos Alluvium

Table 8 Comparison of Water Demands with Current Supplies by MWP

A	B	C	D	E	F	G	H	I	J		
Major Water Provider Name	Major Water Provider Number	County Number	Basin Number	n2000	n2010	n2020	n2030	n2040	n2050	WUG Name	Source
CRMWD	168445	68	14	0	0	0	0	0	0	Odessa	Pecos Alluvium
CRMWD	168445	238	23	0	0	0	0	0	0	County-Other	Pecos Alluvium
CRMWD	168445	238	23	0	0	0	0	0	0	Grandfalls	Pecos Alluvium
CRMWD	168445		23	0	0	0	0	0	0	<unassigned>	Pecos Alluvium

MWP NAME		Year 2000	Year 2010	Year 2020	Year 2030	Year 2040	Year 2050
BCWID	Table 6 totals	23,770	23,770	23,770	23,770	23,770	23,770
	Table 3 totals	14,745	14,729	14,613	14,586	14,535	14,543
	Subtract 3 from 6	9,025	9,041	9,157	9,184	9,235	9,227
	Table 8 totals	9,025	9,041	9,157	9,184	9,235	9,227

MWP NAME		Year 2000	Year 2010	Year 2020	Year 2030	Year 2040	Year 2050
CRMWD	Table 6 totals	162,683	161,614	160,530	159,506	158,617	157,728
	Table 3 totals	106,244	109,687	112,655	96,580	98,506	100,664
	Subtract 3 from 6	56,439	51,927	47,875	62,926	60,111	57,064
	Table 8 totals	56,439	51,927	47,875	62,926	60,111	57,064

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 11

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

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Table 11 Potentially Feasible Water Management Strategies

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	
Major Water Provider Name	**Water User Group Name**	**Major Water Provider Number**	**Water User Group Identifier**	**RWPG**	**Sequence Number for Water User Group**	**City Number for Water User Group**	**County Number for Water User Group**	**Basin Number for Water User Group**	**Type of Water Supply**	**RWPG of Source**	**County Number of Source**	**Basin Number of Source**	**Specific Source Identifier**	**Name of Specific Source**	**Total Capital Cost**	**Cost for 2000 (Total Annual Cost/Acre-Foot)**	**Cost for 2010 (Total Annual Cost/Acre-Foot)**	**Cost for 2020 (Total Annual Cost/Acre-Foot)**	**Cost for 2030 (Total Annual Cost/Acre-Foot)**	**Cost for 2040 (Total Annual Cost/Acre-Foot)**	**Cost for 2050 (Total Annual Cost/Acre-Foot)**	**Year 2000 Value of Total Supply from Strategy**	**Year 2010 Value of Total Supply from Strategy**	**Year 2020 Value of Total Supply from Strategy**	**Year 2030 Value of Total Supply from Strategy**	**Year 2040 Value of Total Supply from Strategy**	**Year 2050 Value of Total Supply from Strategy**	**Comments**
	BALLINGER		60051000	F	0051	0035	200	14	4c	F	200	14	14340	Lake Ballinger/Moonen	$2,813,000	$0	$483	$483	$483	$114	$114	0	352	352	352	347	330	Ballinger WTP Expansion (less sales to Winters & Co-other)
CRMWD	BALLINGER	168408	60051000	F	0051	0035	200	14	4e	F		14	140A0	CRMWD system	$0	$0	$554	$554	$554	$554	$554	0	280	280	280	280	280	Temporary Supplies from CRMWD
BCWID	BANGS	450	60054000	F	0054	0037	25	14	4e	f	25	14	14140	Lake Brownwood	$0	$0	$0	$652	$652	$652	$652	0	0	249	243	236	234	Renew existing contract with BCWID for treated water
	BRONTE		60114000	F	0114	0683	41	14	4e	F		14	140A0	CRMWD system	$1,541,500	$0	$1,422	$1,422	$1,422	$1,048	$1,048	0	300	300	300	300	300	Purchase from Robert Lee
	BRADY		60105000	F	0105	0071	154	14	4c	F	154	14	14150	Brady Creek Reservoir	$17,390,000	$0	$800	$800	$800	$225	$225	0	1,871	1,827	1,803	1,779	1,775	Brady Creek Reservoir Water Treatment Plant
	BRADY		60105000	F	0105	0071	154	14	4j	F	154	14		San Saba Reservoir	$25,812,000	$0	$1,861	$1,861	$1,861	$611	$611	0	1,500	1,500	1,500	1,500	1,500	San Saba Off-Channel Reservoir (small)
	BRADY		60105000	F	0105	0071	154	14	4j	F	154	14		San Saba Reservoir	$38,307,000	$0	$1,665	$1,665	$1,665	$595	$595	0	2,600	2,600	2,600	2,600	2,600	San Saba Off-Channel Reservoir (large)
BCWID	BROWNWOOD	450	6012000	F	0120	0081	25	14	4e	F	25	14	14140	Lake Brownwood	$0	$0	$0	$652	$652	$652	$652	0	0	4,335	4,280	4,205	4,167	Renew existing contract with BCWID for treated water
CRMWD	EDEN	168408	60266000	F	0266	0179	48	14	4c	F	48	14	140A0	CRMWD system	$13,773,000	$0	$1,648	$1,648	$1,648	$647	$647	0	750	750	500	350	350	Lake Ivie Water Treatment Plant
BCWID	BRADY	450	60105000	F	0105	0071	154	14	4e	F	25	14	14140	Lake Brownwood	$14,215,000	$0	$1,756	$1,756	$1,756	$723	$723	0	1,000	1,000	1,000	1,000	1,000	Purchase Water from Brown County WCID #1
BCWID	EARLY	450	60259000	F	0259	0174	25	14	4e	F	25	14	14140	Lake Brownwood	$535,000	$0	$0	$0	$837	$837	$837	0	0	0	245	245	245	Purchase treated water from BCWID
BCWID	EARLY	450	60259000	F	0259	0174	25	14	4c	F	25	14	14140	Lake Brownwood	$1,829,000	$0	$0	$0	$1,065	$1,065	$1,065	0	0	0	245	245	245	Expand existing treatment facility
BCWID	EARLY	450	60259000	F	0259	0174	25	14	4e	F	25	14	14140	Lake Brownwood	$0	$0	$0	$407	$407	$407	$407	0	0	0	621	631	650	Renew existing contract with BCWID for raw water
	EDEN		60266000	F	0266	0179	48	14	4j	F	48	14	04813	Edwards-Trinity	$3,980,315	$0	$637	$637	$637	$71	$71	0	545	545	545	545	545	New Edwards-Trinity Well Field
	ELDORADO		60276000	F	0276	0186	207	14	4c	F	207	14	20713	Edwards-Trinity	$474,900	$0	$182	$182	$182	$28	$28	0	225	225	225	225	225	Expand existing well field
CRMWD	GRANDFALLS	168408	60355000	F	0355	0874	238	23	4e	F		14	140A0	CRMWD system	$0	$0	$0	$407	$407	$407	$407	0	0	187	179	177	179	Renew contract with CRMWD for raw water
	JUNCTION		60455000	F	0455	0310	134	14	4j	F	134	14	13413	Edwards-Trinity	$808,000	$0	$696	$696	$696	$170	$170	0	112	112	112	112	112	Develop 2 new wells in Kimble County
	MENARD		60586000	F	0586	0395	164	14	4j	F	164	14	16413	Edwards-Trinity	$517,000	$0	$875	$875	$875	$196	$196	0	56	56	56	56	56	Develop new well in Menard County
CRMWD	MIDLAND	168408	60595000	F	0595	0404	165	14	4e	F		14	140A0	CRMWD system	$0	$0	$0	$0	$405	$405	$405	0	0	0	19,924	19,910	19,896	Renew 1966 CRMWD contract
	MIDLAND		60595000	F	0595	0404	165	14	4j	F	248	14	24803	Cenozoic Pecos Alluvium	$65,848,000	$0	$0	$0	$0	$485	$485	0	0	0	0	13,449	13,449	T-bar Well Field in Winkler and Loving Counties
CRMWD	MILES	168408	60597000	F	0597	0915	200	14	4c	F	48	14	140A0	CRMWD system		$0	$1,648	$1,648	$1,648	$647	$647	0	100	100	100	100	100	Lake Ivie Water Treatment Plant
CRMWD	ROBERT LEE	168408	60759000	F	0759	506	041	14	4e	F		14	140A0	CRMWD system	$2,481,451	$0	$892	$892	$892	$665	$665	0	500	500	500	500	500	Lake Spence with RO treatment (Quantity minus Bronte sales)
CRMWD	ROBERT LEE	168408	60759000	F	0759	506	041	14	4e	F		14	140A0	CRMWD system	$0	$0	$0	$407	$407	$407	$407	0	0	350	350	350	350	Renew contract with CRMWD for raw water
	SAN ANGELO		60788000	F	0788	0529	226	14	4j	F	154	14	15416	Hickory	$44,361,000	$0	$0	$0	$359	$359	$359	0	0	0	11,650	11,500	11,500	Pipeline from McCulloch Well Field to Ivie Reservoir
	SAN ANGELO		60788000	F	0788	0529	226	14	4j	F	154	14	15416	Hickory	$65,955,000	$0	$0	$0	$495	$495	$495	0	0	0	11,650	11,500	11,500	Pipeline from McCulloch Well Field to San Angelo
CRMWD	SAN ANGELO	168408	60788000	F	0788	0529	226	14	4c	F		14	140A0	CRMWD system	$6,497,000	$0	$0	$0	$76	$76	$76	0	0	0	15,000	15,000	15,000	Improvements to delivery from CRMWD
BCWID	SANTA ANNA	450	60803000	F	0803	0540	42	14	4e	F	25	14	14140	Lake Brownwood	$0	$0	$0	$652	$652	$652	$652	0	0	230	225	219	219	Renew existing contract with BCWID for treated water
CRMWD	STANTON	168408	60858000	F	0858	0579	159	14	4e	F		14	140A0	CRMWD system	$0	$0	$407	$407	$407	$407	$407	0	325	323	314	301	297	Renew contract with CRMWD for raw water
	WINTERS		60982000	F	0982	0662	200	14	4c	F	200	14	14340	Lake Ballinger / Moonen	$1,119,000	$0	$1,150	$1,150	$1,150	$745	$745	0	100	100	100	100	100	Increase delivery from Ballinger via North Runnels WSC
BCWID	COUNTY-OTHER	450	60996025	F	0996	0757	25	12	4e	F	25	12	14140	Lake Brownwood	$7,211,000	$0	$1,735	$1,735	$1,735	$833	$833	0	586	586	586	586	586	Purchase treated water from BCWID
	COUNTY-OTHER		60996048	F	0996	0757	48	14	4e	F	48	14	140A0	CRMWD system		$0	$1,648	$1,648	$1,648	$647	$647	0	50	50	50	50	50	Purchase water from Eden
	COUNTY-OTHER		60996160	F	0996	0757	160	14	4e	F	154	14	15416	Hickory		$0	$547	$547	$547	$122	$122	0	111	101	97	92	90	Purchase water from County-Other McCulloch County
	COUNTY-OTHER		60996154	F	0996	0757	154	14	4e	F	154	14	14150	Brady Creek Reservoir		$0	$800	$800	$800	$225	$225	0	329	373	397	421	425	Purchase water from Brady
	COUNTY-OTHER		60996154	F	0996	0757	154	14	4j	F	154	14	15416	Hickory	$15,195,000	$0	$547	$547	$547	$122	$122	0	2,425	2,384	2,333	2,284	2,231	New Hickory Well Fields
	COUNTY-OTHER		60996154	F	0996	0757	154	14	4j	K	206	14	20614	Ellenburger-San Saba	$10,023,000	$0	$1,185	$1,185	$1,185	$274	$274	0	800	800	800	800	800	Ellenburger Well Field
	COUNTY-OTHER		60996195	F	0996	0757	195	23	4e	F	238	23	23803	Cenozoic Pecos Alluvium		$0	$650	$650	$650	$650	$650	0	21	48	71	86	72	Increase sales from Pecos and Balmorhea
	COUNTY-OTHER		60996200	F	0996	0757	200	14	4c	F	200	14	14340	Lake Ballinger / Moonen		$0	$1,150	$1,150	$1,150	$745	$745	0	100	100	100	100	100	Increase delivery from Ballinger via North Runnels WSC
	COUNTY-OTHER		60996226	F	0996	0757	226	14	4e	F	154	14	15416	Hickory		$0	$0	$0	$359	$359	$359	0	100	100	375	500	500	Purchase water from San Angelo
CRMWD	COUNTY-OTHER	168408	60996226	F	0996	0757	226	14	4c	F	48	14	140A0	CRMWD system		$0	$1,648	$1,648	$1,648	$647	$647	0	100	100	375	500	500	Lake Ivie Water Treatment Plant
	IRRIGATION		61004002	F	1004	1004	2	14	4a	F	2	14	38002	Advanced conservation - 2010	$1,403,853	$0	$53	$53	$53	$0	$0	0	2054	2054	2054	2054	2054	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004017	F	1004	1004	17	14	4a	F	17	14	38017	Advanced conservation - 2010	$96,393	$0	$21	$21	$21	$0	$0	0	353	353	353	353	353	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004017	F	1004	1004	17	12	4a	F	17	12	38017	Advanced conservation - 2010	$66,985	$0	$21	$21	$21	$0	$0	0	246	246	246	246	246	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004087	F	1004	1004	87	14	4a	F	87	14	38087	Advanced conservation - 2010	$10,794,767	$0	$92	$92	$92	$0	$0	0	9,159	9,159	9,159	9,159	9,159	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004151	F	1004	1004	151	23	4a					no strategy identified	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0	0	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.

Table 11 Potentially Feasible Water Management Strategies

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	
Major Water Provider Name	Water User Group Name	Major Water Provider Number	Water User Group Identifier	RWPG	Sequence Number for Water User Group	City Number for Water User Group	County Number for Water User Group	Basin Number for Water User Group	Type of Water Supply	RWPG of Source	County Number of Source	Basin Number of Source	Specific Source Identifier	Name of Specific Source	Total Capital Cost	Cost for 2000 (Total Annual Cost/Acre-Foot)	Cost for 2010 (Total Annual Cost/Acre-Foot)	Cost for 2020 (Total Annual Cost/Acre-Foot)	Cost for 2030 (Total Annual Cost/Acre-Foot)	Cost for 2040 (Total Annual Cost/Acre-Foot)	Cost for 2050 (Total Annual Cost/Acre-Foot)	Year 2000 Value of Total Supply from Strategy	Year 2010 Value of Total Supply from Strategy	Year 2020 Value of Total Supply from Strategy	Year 2030 Value of Total Supply from Strategy	Year 2040 Value of Total Supply from Strategy	Year 2050 Value of Total Supply from Strategy	Comments
	IRRIGATION		61004159	F	1004	1004	159	14	4a	F	159	14	38159	Advanced conservation - 2010	$933,800	$0	$60	$60	$60	$60	$60	0	1,215	1,215	1,215	1,215	1,215	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004165	F	1004	1004	165	14	4a	F	165	14	38165	Advanced conservation - 2010	$2,065,437	$0	$42	$42	$42	$0	$0	0	3,872	3,872	3,872	3,872	3,872	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004192	F	1004	1004	192	23	4a	F	192	23	38192	Advanced conservation - 2010	$8,245,183	$0	$80	$80	$80	$0	$0	0	8,087	8,087	8,087	8,087	8,087	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004195	F	1004	1004	195	23	4a	F	195	23	38195	Advanced conservation - 2010	$2,867,452	$0	$45	$45	$45	$0	$0	0	4,963	4,963	4,963	4,963	4,963	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004226	F	1004	1004	226	14	4a	F	226	14	38226	Advanced conservation - 2010	$7,901,656	$0	$49	$49	$49	$0	$0	0	12,723	12,723	12,723	12,723	12,723	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004226	F	1004	1004	226	14	4b	F	226	14	36298	Wastewater effluent from San Angelo	$9,141,000	$415	$533	$427	$205	$195	$188	3286	2,234	3,134	3,840	5,110	6,591	Maximum amount of available effluent not allocated to other uses
	IRRIGATION		61004231	F	1004	1004	231	23	4a	F	231	23	38231	Advanced conservation - 2010	$2,480,247	$0	$69	$69	$69	$0	$0	0	2,817	2,817	2,817	2,817	2,817	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004238	F	1004	1004	238	23	4a	F	238	23	38238	Advanced conservation - 2010	$30,011	$0	$18	$18	$18	$0	$0	0	127	127	127	127	127	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004002	F	1004	1004	2	14	4a	F	2	14	38002	Advanced conservation - 2020	$1,403,853	$0	$0	$53	$53	$53	$0	0	0	2053	2053	2053	2053	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004017	F	1004	1004	17	14	4a	F	17	14	38017	Advanced conservation - 2020	$96,393	$0	$0	$21	$21	$21	$0	0	352	352	352	352	352	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004017	F	1004	1004	17	12	4a	F	17	12	38017	Advanced conservation - 2020	$66,985	$0	$0	$21	$21	$21	$0	0	246	246	246	246	246	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004087	F	1004	1004	87	14	4a	F	87	14	38087	Advanced conservation - 2020	$10,795,434	$0	$0	$92	$92	$92	$0	0	0	9,159	9,159	9,159	9,159	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004165	F	1004	1004	165	14	4a	F	165	14	38165	Advanced conservation - 2020	$2,066,117	$0	$0	$42	$42	$42	$0	0	0	3,872	3,872	3,872	3,872	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004192	F	1004	1004	192	23	4a	F	192	23	38192	Advanced conservation - 2020	$8,245,850	$0	$0	$80	$80	$80	$0	0	0	8,087	8,087	8,087	8,087	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004195	F	1004	1004	195	23	4a	F	195	23	38195	Advanced conservation - 2020	$2,867,393	$0	$0	$45	$45	$45	$0	0	0	4,960	4,960	4,960	4,960	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004226	F	1004	1004	226	14	4a	F	226	14	38226	Advanced conservation - 2020	$7,901,706	$0	$0	$49	$49	$49	$0	0	0	12,718	12,718	12,718	12,718	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	IRRIGATION		61004231	F	1004	1004	231	23	4a	F	231	23	38231	Advanced conservation - 2020	$2,480,260	$0	$0	$69	$69	$69	$0	0	0	2,816	2,816	2,816	2,816	Supply from advanced conservation exceeds need. Assume excess supply is a reduced use of the Edwards-Trinity Aq.which can be used for mining needs.
	IRRIGATION		61004238	F	1004	1004	238	23	4a	F	238	23	38238	Advanced conservation - 2020	$30,011	$0	$0	$18	$18	$18	$0	0	0	127	127	127	127	O&M costs for advanced conservation is less than current costs. For SB1, O&M =0.
	MANUFACTURING		61001017	F	1001	1001	17	14	4c	F	17	14	14999	Local Surface Water	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	5	20	
	MANUFACTURING		61001134	F	1001	1001	134	14	4j	F	134	14	13413	Edwards-Trinity	$5,839,000	$0	$456	$456	$456	$181	$181	0	1,549	1,549	1,549	1,549	1,549	Develop wells in Edwards-Trinity aquifer
	MANUFACTURING		61001154	F	1001	1001	154	14	4e	F	154	14	15416	Hickory		$0	$547	$547	$547	$122	$122	0	64	115	170	224	279	Purchase water from County-Other McCulloch County
	MANUFACTURING		61001165	F	1001	1001	165	14	4e	F		14	140A0	CRMWD system		$405	$405	$405	$405	$485	$485	37	49	62	76	90	104	Purchase water from City of Midland
	MANUFACTURING		61001200	F	1001	1001	200	14	4e	F	200	14	14340	Lake Ballinger/ Moonen		$0	$0	$0	$0	$650	$650	0	0	0	0	5	22	Purchase water from Ballinger
	MINING		61003068	F	1003	1003	68	23	4j	F	68	14	06826	Dockum	$7,573,000	$0	$213	$213	$213	$91	$91	0	2,250	2,250	2,250	2,250	2,250	Develop new wells in Dockum Aquifer
	MINING		61003068	F	1003	1003	68	23	4j	F	69	23	06926	Dockum		$0	$213	$213	$213	$91	$91	0	2,250	2,250	2,250	2,250	2,250	Develop new wells in Dockum Aquifer
	MINING		61003068	F	1003	1003	68	23	4j	F	68	23	06803	Cenozoic Pecos Alluvium	$3,030,000	$0	$214	$214	$214	$92	$92	0	1,800	1,800	1,800	1,800	1,800	Develop 12 new wells in Pecos Alluvium
CRMWD	MINING	168408	61003159	F	1003	1003	159	14	4j	F		14		Natural Dam Lake/ Sulphur Draw	$5,286,000	$0	$394	$394	$394	$72	$72	0	1,196	1,196	1,196	1,196	1,196	Non-Potable Surface Water from Natural Dam Lake and Sulphur Draw Lake
	MINING		61003165	f	1003	1003	165	14																				No identified source of supply
	MINING		61003192	F	1003	1003	192	23	4j	F	192	23	19213	Edwards-Trinity	$3,787,000	$0	$282	$292	$301	$107	$104	0	1,524	1,474	1,427	1,439	1,481	Non-Potable Water from Edwards-Trinity
	MINING		61003195	F	1003	1003	195	23	4j	F	195	23	19503	Cenozoic Pecos Alluvium	$506,000	$0	$337	$337	$337	$126	$126	0	175	175	175	175	175	Non-Potable water from Pecos Alluvium
	MINING		61003231	F	1003	1003	231	23	4o	F	231	23	23113	Edwards-Trinity	$0	$0	$0	$69	$69	$69	$69	0	0	1,044	1,320	1,597	1,874	Allocate excess supply from advanced conservation for irrigation to mining (assume reduced use of Edwards-Trinity). No new infrastructure is needed.
	MINING		61003238	F	1003	1003	238	23	4j	F	238	23	23803	Cenozoic Pecos Alluvium	$1,011,000	$0	$206	$206	$206	$90	$90	0	635	635	635	635	635	Non-Potable water from Pecos-Alluvium
	STEAM ELECTRIC POWER		61002053	F	1002	1002	53	23	4c	F	186	23	18613	Edwards-Trinity	$3,433,000	$0	$178	$178	$178	$47	$47	0	1,900	1,900	1,900	1,900	1,900	Develop additional wells in existing Pecos County well field
BCWID	STEAM ELECTRIC POWER	450	61002168	F	1002	1002	168	14	4d	F	25	14	14140	Lake Brownwood	$1,356,000	$0	$486	$486	$486	$429	$429	0	1,754	1,754	1,754	1,754	1,754	Construct Plant at Lake Brownwood

Table 11 Potentially Feasible Water Management Strategies

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	
Major Water Provider Name	**Water User Group Name**	**Major Water Provider Number**	**Water User Group Identifier**	**RWPG**	**Sequence Number for Water User Group**	**City Number for Water User Group**	**County Number for Water User Group**	**Basin Number for Water User Group**	**Type of Water Supply**	**RWPG of Source**	**County Number of Source**	**Basin Number of Source**	**Specific Source Identifier**	**Name of Specific Source**	**Total Capital Cost**	**Cost for 2000 (Total Annual Cost/Acre-Foot)**	**Cost for 2010 (Total Annual Cost/Acre-Foot)**	**Cost for 2020 (Total Annual Cost/Acre-Foot)**	**Cost for 2030 (Total Annual Cost/Acre-Foot)**	**Cost for 2040 (Total Annual Cost/Acre-Foot)**	**Cost for 2050 (Total Annual Cost/Acre-Foot)**	**Year 2000 Value of Total Supply from Strategy**	**Year 2010 Value of Total Supply from Strategy**	**Year 2020 Value of Total Supply from Strategy**	**Year 2030 Value of Total Supply from Strategy**	**Year 2040 Value of Total Supply from Strategy**	**Year 2050 Value of Total Supply from Strategy**	**Comments**
	STEAM ELECTRIC POWER		61002168	F	1002	1002	168	14	4d	F	41	14	14040	Lake Coleman	$1,356,000	$0	$486	$486	$486	$429	$429	0	1,754	1,754	1,754	1,754	1,754	Construct Plant at Lake Coleman
CRMWD	STEAM ELECTRIC POWER	168408	61002168	F	1002	1002	168	14	4d	F	42	14	140A0	CRMWD system	$1,356,000	$0	$486	$486	$486	$429	$429	0	1,754	1,754	1,754	1,754	1,754	Construct Plant at Lake Spence
	STEAM ELECTRIC POWER		61002226	F	1002	1002	226	14	4b	F	226	14	36298	Treated Effluent from San Angelo	$8,498,000	$0	$482	$482	$482	$235	$235	0	2,500	2,500	2,500	2,500	2,500	Delivery of treated effluent from San Angelo
	STEAM ELECTRIC POWER		61002238	F	1002	1002	238	23	4j	F	248	23	24803	Cenozoic Pecos Alluvium	$8,935,000	$0	$238	$238	$238	$143	$143	0	6,782	6,782	6,782	6,782	6,782	Develop new well field in Winkler County
CRMWD	<regional>	168448		F					4i	F	248	14	24803	Cenozoic Pecos Alluvium	$36,291,000	$0	$0	$575	$575	$575	$135	0	0	6,000	6,000	6,000	6,000	Develop Winkler wellfield
CRMWD	<regional>	168408		F					4c	F		14	140A0	CRMWD system	$14,868,000	$0	$312	$312	$312	$246	$246	0	16,400	16,400	16,400	16,400	16,400	Ivie infrastructure improvements

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 12

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected anc transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

For review purposes, TWDB staff developed annotated review worksheets that parallel the original worksheets filed with the Initially Prepare [IPP]. The comments to be addressed by the RWPG are noted under the column entitled TWDB REVIEW COMMENTS.

TWDB staff highlighted those fields in the worksheet where data entries may need correction or clarification, as noted under the TWDB RE COMMENTS column.

Also, cells in bold represent revisions performed by TWDB staff. Those revisions represent random review of cells and the corrections per TWDB staff. Please contact TWDB staff to discuss any need for additional clarification in those specific cases.

The worksheets have been slightly modified for quality assurance purposes and to reflect the table structure needed for database developm any additional non-essential fields that were provided in the original table were moved to the far right end of the worksheet. Also, any comm footnotes made or included in the original worksheet were moved to a field entitled RWPG Comments. Also note that any totals, subtotals, headers, etc. were deleted. Merged fields have been adjusted as needed.

The following table is an excerpt from Table 7 listing Water User Groups with needs not addressed in Table 12. Please adjust Table 12 as needed.

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040
MENTONE	60587000	F	587	396	151	23	**-1**	1	2	3	3
MINING	61003025	F	1003	1003	25	12	0	0	0	**-1**	**-1**
MINING	61003052	F	1003	1003	52	23	**-3**	588	811	887	892
MINING	61003186	F	1003	1003	186	23	**-33**	22	26	23	19
MANUFACTURING	61001114	F	1001	1001	114	14	147	98	64	36	5
MANUFACTURING	61001186	F	1001	1001	186	23	1	0	**-2**	**-3**	**-5**
MANUFACTURING	61001195	F	1001	1001	195	23	1	0	0	0	**-1**

(Cont.)

WUGNAME	WUGNUM	RWPG	SEQ#	CITY#	COUNTY#	BASIN#	2000	2010	2020	2030	2040
LIVESTOCK	61005192	F	1005	1005	192	14	**-10**	**-10**	**-10**	**-10**	**-10**
LIVESTOCK	61005192	F	1005	1005	192	23	**-5**	**-5**	**-5**	**-5**	**-5**
LIVESTOCK	61005195	F	1005	1005	195	23	**-8**	**-8**	**-8**	**-8**	**-8**
LIVESTOCK	61005208	F	1005	1005	208	12	**-9**	**-9**	**-9**	**-9**	**-9**
LIVESTOCK	61005208	F	1005	1005	208	14	**-1**	**-1**	**-1**	**-1**	**-1**
LIVESTOCK	61005238	F	1005	1005	238	23	**-6**	**-6**	**-6**	**-6**	**-6**
LIVESTOCK	61005248	F	1005	1005	248	14	**-1**	**-1**	**-1**	**-1**	**-1**
LIVESTOCK	61005248	F	1005	1005	248	23	**-2**	**-2**	**-2**	**-2**	**-2**
IRRIGATION	61004017	F	1004	1004	17	12	**-3813**	**-3808**	**-3802**	**-3795**	**-3790**
IRRIGATION	61004118	F	1004	1004	118	14	**-6**	63	133	203	272
IRRIGATION	61004192	F	1004	1004	192	14	**-18633**	**-17877**	**-17118**	**-16357**	**-15676**
IRRIGATION	61004218	F	1004	1004	218	14	**-22**	**-9**	4	17	30
COUNTY-OTHER	60996025	F	996	757	25	12	**-3**	**-4**	**-4**	**-5**	**-5**
COUNTY-OTHER	60996151	F	996	757	151	23	1	**-1**	**-1**	**-1**	**-1**
COUNTY-OTHER	60996207	F	996	757	207	23	**-1**	0	2	3	5
COUNTY-OTHER	60996207	F	996	757	207	23	**-1**	0	2	3	5
COUNTY-OTHER	60996208	F	996	757	208	12	**-5**	**-3**	4	8	16
COUNTY-OTHER	60996218	F	996	757	218	14	**-10**	**-7**	**-4**	1	5
COUNTY-OTHER	60996218	F	996	757	218	23	**-15**	**-1**	14	41	64

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Table 12 Recommended Management Strategies by City and Category

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	
Water User Group Name	**Water User Group Identifier**	**Regional Water Planning Group Letter**	**Sequence Number for Water User Group**	**City Number for Water User Group**	**County Number for Water User Group**	**Basin Number for Water User Group**	**Name of Water Management Strategy**	**Type of Water Supply**	**Major Water Provider Number**	**RWPG of Source**	**County Number of Source**	**Basin Number of Source**	**Specific Source Identifier**	**Name of Specific Source**	**Total Capital Cost**	**Year 2000 Value of Total Supply from Strategy**	**Year 2010 Value of Total Supply from Strategy**	**Year 2020 Value of Total Supply from Strategy**	**Year 2030 Value of Total Supply from Strategy**	**Year 2040 Value of Total Supply from Strategy**	**Year 2050 Value of Total Supply from Strategy**	**Exception to meeting need**	**Strategy No**	**RWPG Comments**
BALLINGER	60051000	F	0051	0035	200	14	Ballinger WTP Expansion	4c		F	200	14	14340	Lake Ballinger/ Moonen	$2,813,000	0	352	352	352	347	330		RUC-1	Note: quantities represent increased treatment capacity for Ballinger, not supply.
BALLINGER	60051000	F	0051	0035	200	14	Temporary Supplies from CRMWD	4e	168408	F		14	140A0	CRMWD system	$0	0	280	280	280	280	280		RUC-2	
BANGS	60054000	F	0054	0037	25	14	Renew existing contract with BCWID for treated water	4e	450	F	025	14	14140	Lake Brownwood	$0	0	0	249	243	236	234			
BRONTE	60114000	F	0114	0683	041	14	Purchase water from Robert Lee	4e		F		14	140A0	CRMWD system	$1,541,500	0	300	300	300	300	300			
BRADY	60105000	F	0105	0071	154	14	Brady Creek Reservoir Water Treatment Plant	4c		F	154	14	14150	Brady Creek Reservoir	$17,390,000	0	1,871	1,827	1,803	1,779	1,775		H-1	
BROWNWOOD	6012000	F	0120	0081	25	14	Renew existing contract with BCWID for treated water	4e	450	F	025	14	14140	Lake Brownwood	$0	0	0	4,335	4,280	4,205	4,167			
EDEN	60266000	F	0266	0179	048	14	Lake Ivie WTP	4c	450	F	048	14	140A0	CRMWD system	$13,773,000	0	750	750	500	350	350		H-3	
EARLY	60259000	F	0259	0174	025	14	Purchase treated water from BCWID	4e	450	F	025	14	14140	Lake Brownwood	$535,000	0	0	0	245	245	245		EA-1	
EARLY	60259000	F	0259	0174	25	14	Renew existing contract with BCWID for raw water	4e	450	F	025	14	14140	Lake Brownwood	$0	0	0	0	621	631	650			
EDEN	60266000	F	0266	0179	048	14	New Edwards-Trinity Well Field	4j		F	048	14	04813	Edwards-Trinity	$3,980,315	0	545	545	545	545	545			
ELDORADO	60276000	F	0276	0186	207	14	Expand existing well field	4c		F	207	14	20713	Edwards-Trinity	$474,900	0	225	225	225	225	225			
GRANDFALLS	60355000	F	0355	0874	238	23	Renew contract with CRMWD for raw water	4e	168408	F		14	140A0	CRMWD system	$0	0	0	187	179	177	179			
JUNCTION	60455000	F	0455	0310	134	14	Develop 2 new wells in Kimble County	4j		F	134	14	13413	Edwards-Trinity	$808,000	0	112	112	112	112	112			
MENARD	60586000	F	0586	0395	164	14	Develop new well in Menard County	4j		F	164	14	16413	Edwards-Trinity	$517,000	0	56	56	56	56	56			
MIDLAND	60595000	F	0595	0404	165	14	Renew 1966 CRMWD contract	4e	168408	F		14	140A0	CRMWD system		0	0	0	19,924	19,910	19,896		MI-1	
MIDLAND	60595000	F	0595	0404	165	14	T-bar Well Field in Winkler and Loving Counties	4j		F	248	14	24803	Cenozoic Pecos Alluvium	$65,848,000	0	0	0	0	13,449	13,449		MI-2	
MILES	60597000	F	0597	0915	200	14	Lake Ivie WTP	4c	168408	F	048	14	140A0	CRMWD system		0	100	100	100	100	100			
ROBERT LEE	60759000	F	0759	506	041	14	Renew contract with CRMWD for raw water	4e	168408	F		14	140A0	CRMWD system	$0	0	0	350	350	350	350			
SAN ANGELO	60788000	F	0788	0529	226	14	Pipeline from McCulloch Well Field to Ivie Reservoir	4j		F	154	14	15416	Hickory	$44,361,000	0	0	0	11,650	11,500	11,500		SA-1	
SAN ANGELO	60788000	F	0788	0529	226	14	Improvements to delivery from CRMWD	4c	168408	F		14	140A0	CRMWD system	$6,497,000	0	0	0	15,000	15,000	15,000		SA-3	
SANTA ANNA	60803000	F	0803	0540	42	14	Renew existing contract with BCWID for treated water	4e	450	F	025	14	14140	Lake Brownwood	$0	0	0	230	225	219	219			
STANTON	60858000	F	0858	0579	159	14	Renew contract with CRMWD for raw water	4e	168408	F		14	140A0	CRMWD system	$0	0	325	323	314	301	297			
WINTERS	60982000	F	0982	0662	200	14	Increase delivery from Ballinger via North Runnels WSC	4c		F	200	14	14340	Lake Ballinger/ Moonen	$1,119,000	0	100	100	100	100	100		RUC-3	
COUNTY-OTHER	60996025	F	0996	0757	025	12	Purchase treated water from BCWID	4e	450	F	025	14	14140	Lake Brownwood	$7,211,000	0	586	586	586	586	586			
COUNTY-OTHER	60996048	F	0996	0757	048	14	Purchase water from Eden (Ivie WTP)	4e		F	048	14	140A0	CRMWD system		0	50	50	50	50	50			
COUNTY-OTHER	60996160	F	0996	0757	160	14	Purchase water from County-Other McCulloch County (Hickory well field)	4e		F	154	14	15416	Hickory		0	111	101	97	92	90			
COUNTY-OTHER	60996154	F	0996	0757	154	14	Purchase water from Brady	4e		F	154	14	14150	Brady Creek Reservoir		0	329	373	397	421	425			
COUNTY-OTHER	60996154	F	0996	0757	154	14	Ellenburger Well Field	4j		K	206	14	20614	Ellenburger-San Saba	$10,023,000	0	800	800	800	800	800		H-4	
COUNTY-OTHER	60996154	F	0996	0757	154	14	New Hickory Well Fields	4j		F	154	14	15416	Hickory	$15,195,000	0	2,425	2,384	2,333	2,284	2,231		H-6	
COUNTY-OTHER	60996195	F	0996	0757	195	23	Purchase water from Balmorhea and Pecos	4e		F	238	23	23803	Cenozoic Pecos Alluvium		0	21	48	71	86	72			
COUNTY-OTHER	60996200	F	0996	0757	200	14	Increase delivery from Ballinger via North Runnels WSC	4c		F	200	14	14340	Lake Ballinger/ Moonen		0	100	100	100	100	100		RUC-3	
COUNTY-OTHER	60996226	F	0996	0757	226	14	Lake Ivie WTP	4c	168408	F	048	14	140A0	CRMWD system		0	100	100	375	500	500			Ivie WTP
COUNTY-OTHER	60996226	F	0996	0757	226	14	Purchase water from San Angelo (Hickory)	4e		F	154	14	15416	Hickory		0	100	100	375	500	500			Sales from San Angelo
IRRIGATION	61004002	F	1004	1004	002	14	Advanced Irrigation Technologies	4a		F	002	14	38002	Advanced conservation - 2010	$1,403,853	0	2054	2054	2054	2054	2054			

Water User Group Name	Water User Group Identifier	Regional Water Planning Group Letter	Sequence Number for Water User Group	City Number for Water User Group	County Number for Water User Group	Basin Number for Water User Group	Name of Water Management Strategy	Type of Water Supply	Major Water Provider Number	RWPG of Source	County Number of Source	Basin Number of Source	Specific Source Identifier	Name of Specific Source	Total Capital Cost	Year 2000 Value of Total Supply from Strategy	Year 2010 Value of Total Supply from Strategy	Year 2020 Value of Total Supply from Strategy	Year 2030 Value of Total Supply from Strategy	Year 2040 Value of Total Supply from Strategy	Year 2050 Value of Total Supply from Strategy	Exception to meeting need	Strategy No	RWPG Comments
IRRIGATION	61004017	F	1004	1004	017	14	Advanced Irrigation Technologies	4a		F	017	14	38017	Advanced conservation - 2010	$96,393	0	353	353	353	353	353	a		
IRRIGATION	61004017	F	1004	1004	017	12	Advanced Irrigation Technologies	4a		F	017	12	38017	Advanced conservation - 2010	$66,985	0	246	246	246	246	246	a		
IRRIGATION	61004087	F	1004	1004	087	14	Advanced Irrigation Technologies	4a		F	087	14	38087	Advanced conservation - 2010	$10,794,767	0	9,159	9,159	9,159	9,159	9,159	a		
IRRIGATION	61004151	F	1004	1004	151	23	Advanced Irrigation Technologies	4a						no strategy identified	$0	0	0	0	0	0	0	a		
IRRIGATION	61004159	F	1004	1004	159	14	Advanced Irrigation Technologies	4a		F	159	14	38159	Advanced conservation - 2010	$933,800	0	1,215	1,215	1,215	1,215	1,215			
IRRIGATION	61004165	F	1004	1004	165	14	Advanced Irrigation Technologies	4a		F	165	14	38165	Advanced conservation - 2010	$2,065,437	0	3,872	3,872	3,872	3,872	3,872	a		
IRRIGATION	61004192	F	1004	1004	192	14	Advanced Irrigation Technologies	4a		F	192	14	38192	Advanced conservation - 2010	$8,245,183	0	8,087	8,087	8,087	8,087	8,087	a		
IRRIGATION	61004195	F	1004	1004	195	23	Advanced Irrigation Technologies	4a		F	195	23	38195	Advanced conservation - 2010	$2,867,452	0	4,963	4,963	4,963	4,963	4,963	a		
IRRIGATION	61004226	F	1004	1004	226	14	Advanced Irrigation Technologies	4a		F	226	14	38226	Advanced conservation - 2010	$7,901,656	0	12,723	12,723	12,723	12,723	12,723	a		
IRRIGATION	61004226	F	1004	1004	226	14	San Angelo wastewater effluent	4b		F	226	14	36298	Wastewater effluent from San Angelo	$9,141,000	3286	2,234	3,134	3,840	5,110	6,591	a		
IRRIGATION	61004231	F	1004	1004	231	14	Advanced Irrigation Technologies	4a		F	231	14	38231	Advanced conservation - 2010	$2,480,247	0	2,817	2,817	2,817	2,817	2,817	a		
IRRIGATION	61004238	F	1004	1004	238	23	Advanced Irrigation Technologies	4a		F	238	23	38238	Advanced conservation - 2010	$30,011	0	127	127	127	127	127	a		
IRRIGATION	61004002	F	1004	1004	002	14	Advanced Irrigation Technologies	4a		F	002	14	38002	Advanced conservation - 2020	$1,403,853	0	0	2053	2053	2053	2053			
IRRIGATION	61004017	F	1004	1004	017	14	Advanced Irrigation Technologies	4a		F	017	14	38017	Advanced conservation - 2020	$96,393	0	353	353	353	353	353	a		
IRRIGATION	61004017	F	1004	1004	017	12	Advanced Irrigation Technologies	4a		F	017	12	38017	Advanced conservation - 2020	$66,985	0	246	246	246	246	246	a		
IRRIGATION	61004087	F	1004	1004	087	14	Advanced Irrigation Technologies	4a		F	087	14	38087	Advanced conservation - 2020	$10,795,434	0	0	9,159	9,159	9,159	9,159	a		
IRRIGATION	61004165	F	1004	1004	165	14	Advanced Irrigation Technologies	4a		F	165	14	38165	Advanced conservation - 2020	$2,066,117	0	0	3,872	3,872	3,872	3,872	a		
IRRIGATION	61004192	F	1004	1004	192	14	Advanced Irrigation Technologies	4a		F	192	14	38192	Advanced conservation - 2020	$8,245,850	0	0	8,087	8,087	8,087	8,087	a		
IRRIGATION	61004195	F	1004	1004	195	23	Advanced Irrigation Technologies	4a		F	195	23	38195	Advanced conservation - 2020	$2,867,393	0	0	4,960	4,960	4,960	4,960	a		
IRRIGATION	61004226	F	1004	1004	226	14	Advanced Irrigation Technologies	4a		F	226	14	38226	Advanced conservation - 2020	$7,901,706	0	0	12,718	12,718	12,718	12,718	a		
IRRIGATION	61004231	F	1004	1004	231	14	Advanced Irrigation Technologies	4a		F	231	14	38231	Advanced conservation - 2020	$2,480,260	0	0	2,816	2,816	2,816	2,816	a		
IRRIGATION	61004238	F	1004	1004	238	23	Advanced Irrigation Technologies	4a		F	238	23	38238	Advanced conservation - 2020	$30,011	0	0	127	127	127	127	a		
MANUFACTURING	61001017	F	1001	1001	017	14	Expand local supplies	4c		F	017	14	14999	Local Surface Water	$0	0	0	0	0	5	20			
MANUFACTURING	61001134	F	1001	1001	134	14	Develop wells in Edwards-Trinity aquifer	4j		F	134	14	13413	Edwards-Trinity	$5,839,000	0	1,549	1,549	1,549	1,549	1,549			
MANUFACTURING	61001154	F	1001	1001	154	14	Purchase water from County-Other McCulloch County	4e		F	154	14	15416	Hickory		0	64	115	170	224	279			
MANUFACTURING	61001165	F	1001	1001	165	14	Purchase water from City of Midland	4e		F		14	140A0	CRMWD system		37	49	62	76	90	104			
MANUFACTURING	61001200	F	1001	1001	200	14	Purchase water from Ballinger	4e		F	200	14	14340	Lake Ballinger/ Moonen		0	0	0	0	5	22			
MINING	61003068	F	1003	1003	068	23	Develop new wells in Dockum Aquifer	4j		F	068	14	06826	Dockum	$7,573,000	0	2,250	2,250	2,250	2,250	2,250		ECM-1	
MINING	61003068	F	1003	1003	068	23	Develop new wells in Dockum Aquifer	4j		F	069	23	06926	Dockum		0	2,250	2,250	2,250	2,250	2,250		ECM-2	

Table 12 Recommended Management Strategies by City and Category

Water User Group Name	Water User Group Identifier	Regional Water Planning Group Letter	Sequence Number for Water User Group	City Number for Water User Group	County Number for Water User Group	Basin Number for Water User Group	Name of Water Management Strategy	Type of Water Supply	Major Water Provider Number	RWPG of Source	County Number of Source	Basin Number of Source	Specific Source Identifier	Name of Specific Source	Total Capital Cost	Year 2000 Value of Total Supply from Strategy	Year 2010 Value of Total Supply from Strategy	Year 2020 Value of Total Supply from Strategy	Year 2030 Value of Total Supply from Strategy	Year 2040 Value of Total Supply from Strategy	Year 2050 Value of Total Supply from Strategy	Exception to meeting need	Strategy No	RWPG Comments
MINING	61003068	F	1003	1003	068	23	Develop new wells in Pecos Alluvium	4j		F	068	23	06803	Cenozoic Pecos Alluvium	$3,030,000	0	1,800	1,800	1,800	1,800	1,800		ECM-3	
MINING	61003159	F	1003	1003	159	14	Non-Potable Surface Water from Natural Dam Lake and Sulphur Draw Lake	4j	168408	F		14		Natural Dam Lake/ Sulphur Draw	$5,286,000	0	1,196	1,196	1,196	1,196	1,196			
MINING	61003165	F	1003	1003	165	14	No management strategy identified															a		
MINING	61003192	F	1003	1003	192	23	Non-Potable Water from Edwards-Trinity	4j		F	192	23	19213	Edwards-Trinity	$3,787,000	0	1,524	1,474	1,427	1,439	1,481			
MINING	61003195	F	1003	1003	195	23	Non-Potable water from Pecos Alluvium	4j		F	195	23	19503	Cenozoic Pecos Alluvium	$506,000	0	175	175	175	175	175			
MINING	61003231	F	1003	1003	231	23	Allocate excess supply from advanced conservation for irrigation to mining (assume reduced use of Edwards-Trinity). No new infrastructure is needed.	4o						Edwards-Trinity	$0	0	0	1,044	1,320	1,597	1,874	a		
MINING	61003238	F	1003	1003	238	23	Non-Potable water from Pecos-Alluvium	4j		F	238	23	23803	Cenozoic Pecos Alluvium	$1,011,000	0	635	635	635	635	635			
STEAM ELECTRIC POWER	61002053	F	1002	1002	053	23	Develop additional wells in existing Pecos County well field	4c		F	186	23	18613	Edwards-Trinity	$3,433,000	0	1,900	1,900	1,900	1,900	1,900			
STEAM ELECTRIC POWER	61002168	F	1002	1002	168	14	Construct Plant at Lake Brownwood	4d		F	025	14	14140	Lake Brownwood	$1,356,000	0	1,754	1,754	1,754	1,754	1,754			
STEAM ELECTRIC POWER	61002168	F	1002	1002	168	14	Construct Plant at Lake Coleman	4d		F	041	14	14040	Lake Coleman	$1,356,000	0	1,754	1,754	1,754	1,754	1,754			
STEAM ELECTRIC POWER	61002168	F	1002	1002	168	14	Construct Plant at Lake Spence	4d		F	042	14	140A0	CRMWD system	$1,356,000	0	1,754	1,754	1,754	1,754	1,754			
STEAM ELECTRIC POWER	61002226	F	1002	1002	226	14	Delivery of treated effluent from San Angelo	4b		F	226	14	36298	Treated Effluent from San Angelo	$8,498,000	0	2,500	2,500	2,500	2,500	2,500			
STEAM ELECTRIC POWER	61002238	F	1002	1002	238	23	Develop new well field in Winkler County	4j		F	248	23	24803	Cenozoic Pecos Alluvium	$8,935,000	0	6,782	6,782	6,782	6,782	6,782			

REGION F - REVIEW OF INITIALLY PREPARED PLAN DRAFT SUBMITTAL OF EXHIBIT B TABLE 13

Section II, Article III, item I of the Regional Water Planning Contract, requires that the adopted regional water plan and the data collected and transmitted to the TWDB for the plan be prepared in the format and according to specifications prescribed in Exhibit B to the contract. The following comments are specific to the various tables identified in the contract's Exhibit B as a noted in the comments below.

For review purposes, TWDB staff developed annotated review worksheets that parallel the original worksheets filed with the Initially Prepared Plan [IPP]. The comments to be addressed by the RWPG are noted under the column entitled TWDB REVIEW COMMENTS.

TWDB staff highlighted those fields in the worksheet where data entries may need correction or clarification, as noted under the TWDB REVIEW COMMENTS column.

Also, cells in bold represent revisions performed by TWDB staff. Those revisions represent random review of cells and the corrections performed by TWDB staff. Please contact TWDB staff to discuss any need for additional clarification in those specific cases.

The worksheets have been slightly modified for quality assurance purposes and to reflect the table structure needed for database development. Thus, any additional non-essential fields that were provided in the original table were moved to the far right end of the worksheet. Also, any comments or footnotes made or included in the original worksheet were moved to a field entitled RWPG Comments. Also note that any totals, subtotals, extra headers, etc. were deleted. Merged fields have been adjusted as needed.

The following footnote was included in the submitted Exhibit B table 13 by the RWPG:
Note: Neither BCWID or CRMWD were found to have supply needs for existing customers. However, distribution limitations were identified for CRMWD.

Table 13 Recommended Management Strategies by MWP

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
Major Water Provider Name	**Major Water Provider Number (TWDB Alpha Number)**	**Basin Number for Basin of Use**	**Type of Water Supply**	**Regional Water Planning Group of Source**	**County Number of Source**	**Basin Number of Source**	**Name of Water Management Strategy**	**Specific Source Identifier**	**Name of Specific Source**	**Total Capital Cost**	**Year 2000 Value of Total Supply from Strategy**	**Year 2010 Value of Total Supply from Strategy**	**Year 2020 Value of Total Supply from Strategy**	**Year 2030 Value of Total Supply from Strategy**	**Year 2040 Value of Total Supply from Strategy**	**Year 2050 Value of Total Supply from Strategy**	**Exception from Meeting Needs Due To**	**Scenario Number for Meeting Long-Term Needs (Blank if only one listed)**	**Comments**
CRMWD	168448	14	4i	F	248	14	Winkler Well Field 16 mgd capacity	24803	Cenozoic Pecos Alluvium	$36,291,000	0	0	6,000	6,000	6,000	6,000			Would increase reliability of existing supplies.
CRMWD	168408	14	4c	F		14	Ivie Improvements 23 mgd additional capacity	140A0	CRMWD system	$14,868,000	0	16,400	16,400	16,400	16,400	16,400			Would increase delivery capacity of existing supplies.

Water User Group:	City of Andrews - Andrews County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population (number of persons)	12,029	13,472	14,551	15,045	15,300	15,559
Water Demand (ac-ft/yr)	2,924	3,094	3,178	3,236	3,239	3,277
Current Supply (ac-ft/yr)	3,310	3,310	3,310	3,310	3,310	3,310
Supply - Demand (ac-ft/yr)	386	216	132	74	71	33
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Andrews County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population (number of persons)	3,767	3,842	3,921	3,953	3,990	3,769
Water Demand (ac-ft/yr)	584	562	540	526	516	491
Current Supply (ac-ft/yr)	709	709	709	709	709	709
Supply - Demand (ac-ft/yr)	125	147	169	183	193	218
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Andrews County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population (number of persons)						
Water Demand (ac-ft/yr)	36	38	39	39	45	51
Current Supply (ac-ft/yr)	193	193	193	193	193	193
Supply - Demand (ac-ft/yr)	157	155	154	154	148	142
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Andrews County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population (number of persons)						

Water Demand (ac-ft/yr)	4,364	2,646	1,654	1,328	1,134	1,103
Current Supply (ac-ft/yr)	4,476	3,456	3,456	3,456	3,456	3,456
Supply - Demand (ac-ft/yr)	112	810	1,802	2,128	2,322	2,353
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	**Irrigation - Andrews County**					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	18,931	18,773	18,616	18,459	18,301	18,144
Current Supply (ac-ft/yr)	16,543	17,567	17,570	17,548	17,549	17,551
Supply - Demand (ac-ft/yr)	-2,388	-1,206	-1,046	-911	-752	-593
Recommended Short Term Strategy - Advanced Conservation (ac-ft/yr)	0	2,054	4,107	4,107	4,107	4,107
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	**Livestock - Andrews County**					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	434	434	434	434	434	434
Current Supply (ac-ft/yr)	486	486	486	486	486	486
Supply - Demand (ac-ft/yr)	52	52	52	52	52	52
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Borden County					
	2000	2010	2020	2030	2040	2050
Population	614	630	580	509	428	359
Water Demand (ac-ft/yr)	75	72	61	49	42	34
Current Supply (ac-ft/yr)	88	88	87	86	86	85
Supply - Demand (ac-ft/yr)	13	16	26	37	44	51
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Gail - Borden County					
	2000	2010	2020	2030	2040	2050
Population	193	186	172	152	129	109
Water Demand (ac-ft/yr)	48	44	39	33	28	24
Current Supply (ac-ft/yr)	48	44	39	33	28	24
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Borden County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	9,662	9,649	9,636	9,623	9,610	9,597
Current Supply (ac-ft/yr)	953	957	963	970	975	980
Supply - Demand (ac-ft/yr)	-8,709	-8,692	-8,673	-8,653	-8,635	-8,617
Recommended Short Term Strategy - Advanced Conservation (ac-ft/yr)	0	599	1,197	1,197	1,197	1,197
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Borden County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	48	57	68	80	94	109

Current Supply (ac-ft/yr)	89	89	89	89	89	89
Supply - Demand (ac-ft/yr)	41	32	21	9	-5	-20
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	0	0	0	0	5	20

Water User Group:	**Mining - Borden County**					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	934	778	701	677	665	672
Current Supply (ac-ft/yr)	1,014	1,014	1,014	1,014	1,014	1,014
Supply - Demand (ac-ft/yr)	80	236	313	337	349	342
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	**Livestock - Borden County**					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	275	275	275	275	275	275
Current Supply (ac-ft/yr)	404	404	404	404	404	404
Supply - Demand (ac-ft/yr)	129	129	129	129	129	129
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Early - Brown County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,755	3,039	3,310	3,499	3,627	3,758
Water Demand (ac-ft/yr)	548	577	598	621	631	650
Current Supply (ac-ft/yr)	674	674	674	0	0	0
Supply - Demand (ac-ft/yr)	126	97	76	-621	-631	-650
Recommended Short Term Strategy - Renew contract with BCWID and purchase treated water from BCWID (ac-ft/yr)	0	0	0	866	876	895
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County Other - Brown County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	13,963	15,842	17,683	18,882	19,516	19,429
Water Demand (ac-ft/yr)	2,455	2,642	2,768	2,892	2,903	2,847
Current Supply (ac-ft/yr)	2,317	2,317	2,317	2,317	2,317	2,317
Supply - Demand (ac-ft/yr)	-138	-325	-451	-575	-586	-530
Recommended Short Term Strategy - Lake Brownwood (ac-ft/yr)	0	586	586	586	586	586
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Bangs - Brown County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,595	1,615	1,626	1,631	1,634	1,635
Water Demand (ac-ft/yr)	273	263	249	243	236	234
Current Supply (ac-ft/yr)	273	263	0	0	0	0
Supply - Demand (ac-ft/yr)	0	0	-249	-243	-236	-234
Recommended Short Term Strategy - Renew contract (ac-ft/yr)	0	0	249	243	236	234
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Brownwood - Brown County					
	2000	2010	2020	2030	2040	2050
Population	19,782	20,520	20,900	21,093	21,190	21,238
Water Demand (ac-ft/yr)	4,502	4,463	4,335	4,280	4,205	4,167
Current Supply (ac-ft/yr)	4,502	4,463	0	0	0	0
Supply - Demand (ac-ft/yr)	0	0	-4,335	-4,280	-4,205	-4,167
Recommended Short Term Strategy - Renew contract (ac-ft/yr)	0	0	4,335	4,280	4,205	4,167
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Brown County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	485	524	567	608	660	714
Current Supply (ac-ft/yr)	494	532	574	614	664	717
Supply - Demand (ac-ft/yr)	9	8	7	6	4	3
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Brown County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	300	278	196	177	150	134
Current Supply (ac-ft/yr)	2,388	2,388	2,388	2,388	2,388	2,388
Supply - Demand (ac-ft/yr)	2,088	2,110	2,192	2,211	2,238	2,254
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Brown County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	10,526	10,491	10,455	10,420	10,384	10,348
Current Supply (ac-ft/yr)	11,508	11,508	11,508	11,508	11,508	11,508
Supply - Demand (ac-ft/yr)	982	1,017	1,053	1,088	1,124	1,160
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Brown County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,598	1,598	1,598	1,598	1,598	1,598
Current Supply (ac-ft/yr)	2,000	2,000	2,000	2,000	2,000	2,000
Supply - Demand (ac-ft/yr)	402	402	402	402	402	402
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Bronte Village - Coke County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	977	1,011	1,013	1,015	1,017	1,019
Water Demand (ac-ft/yr)	228	224	214	209	208	206
Current Supply (ac-ft/yr)	403	403	403	403	403	403
Supply - Demand (ac-ft/yr)	175	179	189	194	195	197
Recommended Short Term Strategy - Purchase from Robert Lee (ac-ft/yr)	0	300	300	300	300	300
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Robert Lee - Coke County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,305	1,337	1,353	1,362	1,366	1,368
Water Demand (ac-ft/yr)	399	391	377	371	369	368
Current Supply (ac-ft/yr)	792	784	425	414	404	393
Supply - Demand (ac-ft/yr)	393	393	48	43	35	25
Recommended Short Term Strategy - Renew contract with CRMWD (ac-ft/yr)	0	0	350	350	350	350
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Coke County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,348	1,390	1,427	1,444	1,452	1,455
Water Demand (ac-ft/yr)	178	178	171	175	171	172
Current Supply (ac-ft/yr)	245	245	245	245	245	245
Supply - Demand (ac-ft/yr)	67	67	74	70	74	73
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric - Coke County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	835	835	835	835	835	835
Current Supply (ac-ft/yr)	1,000	1,000	1,000	1,000	1,000	1,000
Supply - Demand (ac-ft/yr)	165	165	165	165	165	165
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Coke County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	261	218	159	121	93	74
Current Supply (ac-ft/yr)	1,248	1,248	1,248	1,248	1,248	1,248
Supply - Demand (ac-ft/yr)	987	1,030	1,089	1,127	1,155	1,174
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Coke County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	667	666	666	665	664	664
Current Supply (ac-ft/yr)	809	809	809	809	809	809
Supply - Demand (ac-ft/yr)	142	143	143	144	145	145
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Coke County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	722	722	722	722	722	722
Current Supply (ac-ft/yr)	722	722	722	722	722	722
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Coleman - Coleman County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	5,403	5,436	5,453	5,461	5,465	5,467
Water Demand (ac-ft/yr)	1,387	1,340	1,284	1,255	1,244	1,238
Current Supply (ac-ft/yr)	2,094	2,108	2,132	2,148	2,150	2,153
Supply - Demand (ac-ft/yr)	707	768	848	893	906	915
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Santa Anna - Coleman County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,235	1,235	1,235	1,235	1,235	1,235
Water Demand (ac-ft/yr)	258	244	230	225	219	219
Current Supply (ac-ft/yr)	258	244	0	0	0	0
Supply - Demand (ac-ft/yr)	0	0	-230	-225	-219	-219
Recommended Short Term Strategy Renew contract with BCWID (ac-ft/yr)	0	0	230	225	219	219
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Coleman County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	3,404	3,541	3,610	3,645	3,663	3,672
Water Demand (ac-ft/yr)	414	403	378	361	359	355
Current Supply (ac-ft/yr)	414	403	378	361	359	355
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Coleman County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1	1	2	2	2	3
Current Supply (ac-ft/yr)	1	1	2	2	2	3
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Coleman County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	15	16	16	17	17	17
Current Supply (ac-ft/yr)	17	17	17	17	17	17
Supply - Demand (ac-ft/yr)	2	1	1	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Coleman County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,376	1,364	1,353	1,341	1,330	1,319
Current Supply (ac-ft/yr)	2,310	2,310	2,310	2,310	2,310	2,310
Supply - Demand (ac-ft/yr)	934	946	957	969	980	991
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	Livestock - Coleman County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,361	1,361	1,361	1,361	1,361	1,361
Current Supply (ac-ft/yr)	1,757	1,757	1,757	1,757	1,757	1,757
Supply - Demand (ac-ft/yr)	396	396	396	396	396	396
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Eden - Concho County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,631	1,690	1,750	1,772	1,807	1,855
Water Demand (ac-ft/yr)	530	531	529	531	533	545
Current Supply (ac-ft/yr)	607	0	0	0	0	0
Supply - Demand (ac-ft/yr)	77	-531	-529	-531	-533	-545
Recommended Short Term Strategy - Edwards-Trinity Aquifer Wells (ac-ft/yr)	0	545	545	545	545	545
Long Term Strategy- Lake Ivie (ac-ft/yr)	0	750	750	500	350	350

Water User Group:	County Other - Concho County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,485	1,539	1,594	1,613	1,552	1,688
Water Demand (ac-ft/yr)	269	261	255	252	238	254
Current Supply (ac-ft/yr)	819	225	225	225	225	225
Supply - Demand (ac-ft/yr)	550	-36	-30	-27	-13	-29
Recommended Short Term Strategy - Lake Ivie (ac-ft/yr)	0	50	50	50	50	50
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Concho County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	7,082	7,054	7,026	6,998	6,970	6,943
Current Supply (ac-ft/yr)	7,082	7,054	7,026	6,998	6,970	6,943
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Concho County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	959	959	959	959	959	959
Current Supply (ac-ft/yr)	959	959	959	959	959	959
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	City of Crane - Crane County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	3,682	4,270	4,716	5,115	5,362	5,621
Water Demand (ac-ft/yr)	771	842	882	934	961	1,007
Current Supply (ac-ft/yr)	1,105	1,084	1,071	1,054	1,045	1,036
Supply - Demand (ac-ft/yr)	334	242	189	120	84	29
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Crane County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,380	1,594	1,755	1,899	1,986	2,060
Water Demand (ac-ft/yr)	555	602	631	669	689	709
Current Supply (ac-ft/yr)	555	602	631	669	689	709
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Crane County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,726	2,102	1,859	1,757	1,738	1,759
Current Supply (ac-ft/yr)	2,723	2,690	2,670	2,644	2,630	2,616
Supply - Demand (ac-ft/yr)	-3	588	811	887	892	857
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Crane County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	337	337	337	337	337	337
Current Supply (ac-ft/yr)	337	337	337	337	337	337
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Crane County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	145	145	145	145	145	145
Current Supply (ac-ft/yr)	156	156	156	156	156	156
Supply - Demand (ac-ft/yr)	11	11	11	11	11	11
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric Power - Crockett County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,914	4,280	4,280	4,280	4,280	4,280
Current Supply (ac-ft/yr)	2,391	2,391	2,391	2,391	2,391	2,391
Supply - Demand (ac-ft/yr)	477	-1,889	-1,889	-1,889	-1,889	-1,889
Recommended Short Term Strategy - Develop new wells (ac-ft/yr)	0	1,900	1,900	1,900	1,900	1,900
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Ozona - Crockett County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	3,540	3,701	3,846	3,894	3,937	3,980
Water Demand (ac-ft/yr)	1,647	1,663	1,668	1,675	1,681	1,695
Current Supply (ac-ft/yr)	1,722	1,722	1,722	1,722	1,722	1,722
Supply - Demand (ac-ft/yr)	75	59	54	47	41	27
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Crockett County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population (number of persons)	1,176	1,230	1,300	1,405	1,450	1,484
Water Demand (ac-ft/yr)	226	224	225	239	239	245
Current Supply (ac-ft/yr)	226	224	225	239	239	245
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Crockett County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	6	8	10	11	15	17
Current Supply (ac-ft/yr)	18	18	18	18	18	18
Supply - Demand (ac-ft/yr)	12	10	8	7	3	1
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Crockett County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population (number of persons)						
Water Demand (ac-ft/yr)	402	280	226	202	185	190
Current Supply (ac-ft/yr)	434	434	434	434	434	434
Supply - Demand (ac-ft/yr)	32	154	208	232	249	244
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Crockett County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	439	432	424	417	410	403
Current Supply (ac-ft/yr)	500	500	500	500	500	500
Supply - Demand (ac-ft/yr)	61	68	76	83	90	97
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Crockett County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	988	988	988	988	988	988
Current Supply (ac-ft/yr)	997	997	997	997	997	997
Supply - Demand (ac-ft/yr)	9	9	9	9	9	9
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Ector County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	7,613	7,294	6,892	6,697	6,604	6,565
Current Supply (ac-ft/yr)	1,902	1,902	1,902	1,902	1,902	1,902
Supply - Demand (ac-ft/yr)	-5,711	-5,392	-4,990	-4,795	-4,702	-4,663
Recommended Short Term Strategy - Develop new wells (ac-ft/yr)	0	6,300	6,300	6,300	6,300	6,300
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Odessa - Ector County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	100,144	111,610	124,486	139,866	151,325	163,755
Water Demand (ac-ft/yr)	21,599	22,821	24,198	26,561	28,229	30,364
Current Supply (ac-ft/yr)	21,599	22,821	24,198	26,561	28,229	30,364
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Ector County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	32,244	35,996	39,740	43,591	46,849	45,253
Water Demand (ac-ft/yr)	5,312	5,566	5,787	6,199	6,505	6,233
Current Supply (ac-ft/yr)	6,093	6,165	6,221	6,329	6,505	6,265
Supply - Demand (ac-ft/yr)	781	599	434	130	0	32
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Ector County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,152	2,339	2,413	2,457	2,602	2,725
Current Supply (ac-ft/yr)	4,886	4,953	4,980	4,995	5,047	5,092
Supply - Demand (ac-ft/yr)	2,734	2,614	2,567	2,538	2,445	2,367
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric - Ector County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	6,700	6,700	6,700	6,700	6,700	6,700
Current Supply (ac-ft/yr)	6,700	6,700	6,700	6,700	6,700	6,700
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Ector County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	8,602	8,500	8,399	8,298	8,197	8,096
Current Supply (ac-ft/yr)	9,095	9,102	9,104	9,106	9,111	9,114
Supply - Demand (ac-ft/yr)	493	602	705	808	914	1,018
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Ector County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	218	218	218	218	218	218
Current Supply (ac-ft/yr)	233	233	233	233	233	233
Supply - Demand (ac-ft/yr)	15	15	15	15	15	15
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	Irrigation - Glasscock County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	68,521	67,979	67,437	66,895	66,353	65,810
Current Supply (ac-ft/yr)	20,668	20,663	20,664	20,664	20,667	20,665
Supply - Demand (ac-ft/yr)	-47,853	-47,316	-46,773	-46,231	-45,686	-45,145
Recommended Short Term Strategy - Advanced Conservation (ac-ft/yr)	0	9,159	18,318	18,318	18,318	18,318
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Garden City - Glasscock County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	373	406	431	442	448	454
Water Demand (ac-ft/yr)	43	43	42	42	41	41
Current Supply (ac-ft/yr)	43	43	42	42	41	41
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Glasscock County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,241	1,414	1,540	1,596	1,645	1,685
Water Demand (ac-ft/yr)	160	167	169	169	168	170
Current Supply (ac-ft/yr)	160	167	169	169	168	170
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Glasscock County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	5	3	1	1	0	0
Current Supply (ac-ft/yr)	5	3	1	1	0	0
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Glasscock County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	241	241	241	241	241	241
Current Supply (ac-ft/yr)	241	241	241	241	241	241
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	City of Big Spring - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	24,528	25,451	25,885	26,148	26,281	26,348
Water Demand (ac-ft/yr)	7,092	7,045	6,846	6,798	6,715	6,732
Current Supply (ac-ft/yr)	7,092	7,045	6,846	6,798	6,715	6,732
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Coahoma - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,369	1,435	1,477	1,492	1,500	1,504
Water Demand (ac-ft/yr)	174	172	165	160	154	155
Current Supply (ac-ft/yr)	227	225	218	213	207	208
Supply - Demand (ac-ft/yr)	53	53	53	53	53	53
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	8,533	9,214	9,784	9,884	9,933	9,958
Water Demand (ac-ft/yr)	1,422	1,521	1,565	1,538	1,529	1,545
Current Supply (ac-ft/yr)	1,516	1,549	1,565	1,555	1,552	1,558
Supply - Demand (ac-ft/yr)	94	28	0	17	23	13
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,344	2,540	2,677	2,788	3,020	3,244
Current Supply (ac-ft/yr)	2,491	2,638	2,741	2,824	3,025	3,243
Supply - Demand (ac-ft/yr)	147	98	64	36	5	-1
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,380	1,380	1,380	1,380	1,380	1,380
Current Supply (ac-ft/yr)	2,024	2,024	2,024	2,024	2,024	2,024
Supply - Demand (ac-ft/yr)	644	644	644	644	644	644
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	452	431	421	426	431	440
Current Supply (ac-ft/yr)	1,385	1,385	1,385	1,385	1,385	1,385
Supply - Demand (ac-ft/yr)	933	954	964	959	954	945
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	4,724	4,671	4,618	4,565	4,512	4,459
Current Supply (ac-ft/yr)	4,724	4,671	4,620	4,565	4,512	4,459
Supply - Demand (ac-ft/yr)	0	0	2	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Howard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	396	396	396	396	396	396
Current Supply (ac-ft/yr)	396	396	396	396	396	396
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	City of Mertzon - Irion County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	731	767	779	785	788	790
Water Demand (ac-ft/yr)	125	125	120	116	115	114
Current Supply (ac-ft/yr)	166	166	161	157	156	155
Supply - Demand (ac-ft/yr)	41	41	41	41	41	41
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Irion County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,051	1,103	1,121	1,130	1,135	1,137
Water Demand (ac-ft/yr)	130	129	123	120	116	115
Current Supply (ac-ft/yr)	130	129	123	120	116	115
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Irion County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	6	5	3	2	2	2
Current Supply (ac-ft/yr)	129	129	129	129	129	129
Supply - Demand (ac-ft/yr)	123	124	126	127	127	127
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Irion County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	3,296	3,227	3,157	3,087	3,018	2,948
Current Supply (ac-ft/yr)	3,290	3,290	3,290	3,290	3,290	3,290
Supply - Demand (ac-ft/yr)	-6	63	133	203	272	342
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Irion County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	487	487	487	487	487	487
Current Supply (ac-ft/yr)	487	487	487	487	487	487
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	City of Junction - Kimble County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,757	2,810	2,837	2,851	2,858	2,861
Water Demand (ac-ft/yr)	940	924	894	883	878	877
Current Supply (ac-ft/yr)	862	861	861	861	862	862
Supply - Demand (ac-ft/yr)	-78	-63	-33	-22	-16	-15
Recommended Short Term Strategy - Develop new wells (ac-ft/yr)	0	112	112	112	112	112
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Kimble County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,637	1,777	1,849	1,909	2,067	2,229
Current Supply (ac-ft/yr)	680	680	680	680	680	680
Supply - Demand (ac-ft/yr)	-957	-1,097	-1,169	-1,229	-1,387	-1,549
Recommended Short Term Strategy - Develop new wells (ac-ft/yr)	0	1,549	1,549	1,549	1,549	1,549
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Kimble County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,689	1,808	1,869	1,900	1,916	1,924
Water Demand (ac-ft/yr)	217	230	227	223	218	219
Current Supply (ac-ft/yr)	217	230	227	223	218	219
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining- Kimble County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	105	100	99	98	100	103
Current Supply (ac-ft/yr)	105	100	99	98	100	103
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Kimble County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,128	1,089	1,049	1,009	970	930
Current Supply (ac-ft/yr)	2,276	2,276	2,276	2,276	2,276	2,276
Supply - Demand (ac-ft/yr)	1,148	1,187	1,227	1,267	1,306	1,346
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Kimble County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	564	564	564	564	564	564
Current Supply (ac-ft/yr)	564	564	564	564	564	564
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	Irrigation - Loving County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	582	580	578	576	574	572
Current Supply (ac-ft/yr)	324	324	324	324	324	324
Supply - Demand (ac-ft/yr)	-258	-256	-254	-252	-250	-248
Recommended Short Term Strategy (ac-ft/yr)	0	0	0	0	0	0
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Mentone - Loving County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	51	45	35	29	24	20
Water Demand (ac-ft/yr)	7	5	4	3	3	2
Current Supply (ac-ft/yr)	6	6	6	6	6	6
Supply - Demand (ac-ft/yr)	-1	1	2	3	3	4
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Loving County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	54	53	49	45	38	29
Water Demand (ac-ft/yr)	6	6	5	4	4	3
Current Supply (ac-ft/yr)	7	5	4	3	3	2
Supply - Demand (ac-ft/yr)	1	-1	-1	-1	-1	-1
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Loving County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	3	2	3	3	3	3
Current Supply (ac-ft/yr)	3	3	3	3	3	3
Supply - Demand (ac-ft/yr)	0	1	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Loving County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	65	65	65	65	65	65
Current Supply (ac-ft/yr)	65	65	65	65	65	65
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Martin County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,228	1,015	990	987	978	1,006
Current Supply (ac-ft/yr)	300	303	404	830	1,050	1,236
Supply - Demand (ac-ft/yr)	-928	-712	-586	-157	72	230
Recommended Short Term Strategy - Non-potable water (ac-ft/yr)	0	1,196	1,196	1,196	1,196	1,196
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Stanton - Martin County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,738	2,969	3,135	3,151	3,154	3,157
Water Demand (ac-ft/yr)	399	406	404	395	382	378
Current Supply (ac-ft/yr)	460	81	81	81	81	81
Supply - Demand (ac-ft/yr)	61	-325	-323	-314	-301	-297
Recommended Short Term Strategy (ac-ft/yr)	0	325	323	314	301	297
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Martin County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,621	2,827	2,983	2,993	2,996	2,911
Water Demand (ac-ft/yr)	308	310	306	297	284	273
Current Supply (ac-ft/yr)	308	310	306	297	284	273
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Martin County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	32	35	36	36	38	40
Current Supply (ac-ft/yr)	32	35	36	36	38	40
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Martin County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	14,221	13,976	13,731	13,486	13,241	12,997
Current Supply (ac-ft/yr)	13,888	13,851	13,731	13,486	13,241	12,997
Supply - Demand (ac-ft/yr)	-333	-125	0	0	0	0
Recommended Short Term Strategy - Advanced conservation (ac-ft/yr)	0	1,215	1,215	1,215	1,215	1,215
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Martin County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	436	436	436	436	436	436
Current Supply (ac-ft/yr)	436	436	436	436	436	436
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County Other - Mason County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,621	2,827	2,983	2,993	2,996	2,911
Water Demand (ac-ft/yr)	198	196	186	182	177	175
Current Supply (ac-ft/yr)	198	196	186	182	177	175
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy - Purchase water from McCulloch County-Other (ac-ft/yr)	0	111	101	97	92	90
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Mason - Mason County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,157	2,172	2,179	2,183	2,185	2,186
Water Demand (ac-ft/yr)	783	760	735	726	718	715
Current Supply (ac-ft/yr)	783	760	735	726	718	715
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Mason County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	12	8	4	1	0	0
Current Supply (ac-ft/yr)	12	8	6	6	6	6
Supply - Demand (ac-ft/yr)	0	0	2	5	6	6
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Mason County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	17,501	17,255	17,009	16,763	16,517	16,271
Current Supply (ac-ft/yr)	18,550	18,550	18,550	18,550	18,550	18,550
Supply - Demand (ac-ft/yr)	1,049	1,295	1,541	1,787	2,033	2,279
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Mason County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	1,507	1,507	1,507	1,507	1,507	1,507
Current Supply (ac-ft/yr)	1,507	1,507	1,507	1,507	1,507	1,507
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Brady - McCulloch County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	5,955	5,964	6,020	6,048	6,062	6,069
Water Demand (ac-ft/yr)	1,928	1,871	1,827	1,803	1,779	1,775
Current Supply (ac-ft/yr)	2,047	0	0	0	0	0
Supply - Demand (ac-ft/yr)	119	-1,871	-1,827	-1,803	-1,779	-1,775
Recommended Short Term Strategy - Brady Creek Reservoir (ac-ft/yr)	0	1,871	1,827	1,803	1,779	1,775
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County Other - McCulloch County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,825	2,819	2,820	2,821	2,821	2,821
Water Demand (ac-ft/yr)	987	950	916	901	888	885
Current Supply (ac-ft/yr)	1,411	117	117	117	117	117
Supply - Demand (ac-ft/yr)	424	-833	-799	-784	-771	-768
Recommended Short Term Strategy - Develop new well fields, Purchase Water from City of Brady (ac-ft/yr)	0	2,754	2,757	2,730	2,705	2,656
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - McCulloch County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	844	903	963	1027	1090	1153
Current Supply (ac-ft/yr)	831	839	848	857	866	874
Supply - Demand (ac-ft/yr)	-13	-64	-115	-170	-224	-279
Recommended Short Term Strategy - Purchase water from McCulloch County-Other (ac-ft/yr)	0	64	115	170	224	279

Long Term Strategy (ac-ft/yr)	None identified

Water User Group:	Mining - McCulloch County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	146	152	158	164	170	176
Current Supply (ac-ft/yr)	146	152	158	164	170	176
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - McCulloch County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2964	2928	2891	2855	2818	2782
Current Supply (ac-ft/yr)	3406	3406	3406	3406	3406	3406
Supply - Demand (ac-ft/yr)	442	478	515	551	588	624
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - McCulloch County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1229	1229	1229	1229	1229	1229
Current Supply (ac-ft/yr)	1229	1229	1229	1229	1229	1229
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Menard - Menard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,652	1,670	1,715	1,715	1,716	1,717
Water Demand (ac-ft/yr)	346	333	325	317	309	308
Current Supply (ac-ft/yr)	307	307	307	307	307	307
Supply - Demand (ac-ft/yr)	-39	-26	-18	-10	-2	-1
Recommended Short Term Strategy - Well in Edwards-Trinity (ac-ft/yr)	0	56	56	56	56	56
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Menard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	611	613	606	595	588	584
Water Demand (ac-ft/yr)	76	71	66	61	58	58
Current Supply (ac-ft/yr)	85	85	85	85	85	85
Supply - Demand (ac-ft/yr)	9	14	19	24	27	27
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Menard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	6,080	6,061	6,041	6,021	6,002	5,982
Current Supply (ac-ft/yr)	6,080	6,061	6,041	6,021	6,002	5,982
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Menard County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	586	586	586	586	586	586
Current Supply (ac-ft/yr)	586	586	586	586	586	586
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Midland - Midland County					
	2000	2010	2020	2030	2040	2050
Population	109,885	127,222	144,454	161,267	181,036	203,228
Water Demand (ac-ft/yr)	28,679	31,637	34,142	37,574	41,571	46,667
Current Supply (ac-ft/yr)	34,953	36,605	38,257	19,713	19,709	19,700
Supply - Demand (ac-ft/yr)	6,274	4,968	4,115	-17,861	-21,862	-26,967
Recommended Short Term Strategy - Renew contract (ac-ft/yr)	0	0	0	19,924	19,910	19,896
Long Term Strategy - T-Bar well field (ac-ft/yr)	0	0	0	0	13,449	13,449

Water User Group:	Irrigation - Midland County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	66,574	66,061	65,548	65,034	64,521	64,008
Current Supply (ac-ft/yr)	31,934	33,690	35,143	36,992	39,107	42,256
Supply - Demand (ac-ft/yr)	-34,640	-32,371	-30,405	-28,042	-25,414	-21,752
Recommended Short Term Strategy - Advanced conservation (ac-ft/yr)	0	3,872	7,744	7,744	7,744	7,744
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Midland County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	148	161	174	188	201	216
Current Supply (ac-ft/yr)	111	112	112	112	111	112
Supply - Demand (ac-ft/yr)	-37	-49	-62	-76	-90	-104
Recommended Short Term Strategy - Purchase water from Midland (ac-ft/yr)	37	49	62	76	90	104
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Odessa - Midland County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	239	274	299	332	373	419
Water Demand (ac-ft/yr)	51	55	57	62	69	77
Current Supply (ac-ft/yr)	51	55	57	62	69	77
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Midland County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	19,056	19,217	19,890	20,864	22,564	19,447
Water Demand (ac-ft/yr)	2,991	2,861	2,786	2,825	2,909	2,562
Current Supply (ac-ft/yr)	2,991	2,861	2,786	2,825	2,909	2,562
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Midland County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	669	318	159	80	26	0
Current Supply (ac-ft/yr)	0	0	0	0	0	0
Supply - Demand (ac-ft/yr)	-669	-318	-159	-80	-26	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Midland County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	744	744	744	744	744	744
Current Supply (ac-ft/yr)	744	744	744	744	744	744
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	Colorado City - Mitchell County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	5,968	6,047	6,071	5,930	5,809	5,690
Water Demand (ac-ft/yr)	1,818	1,768	1,707	1,641	1,581	1,542
Current Supply (ac-ft/yr)	2,950	2,950	2,950	2,950	2,950	2,950
Supply - Demand (ac-ft/yr)	1,132	1,182	1,243	1,309	1,369	1,408
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric Power - Mitchell County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	4,000	4,400	5,280	6,336	7,603	9,124
Current Supply (ac-ft/yr)	3,970	3,943	3,916	3,897	3,882	3,861
Supply - Demand (ac-ft/yr)	-30	-457	-1,364	-2,439	-3,721	-5,263
Recommended Short Term Strategy - Move demands to Brown, Coleman and/or Coke Co. (ac-ft/yr)	0	5,263	5,263	5,263	5,263	5,263
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Loraine - Mitchell County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	734	714	680	658	663	670
Water Demand (ac-ft/yr)	121	112	101	94	92	92
Current Supply (ac-ft/yr)	130	130	130	130	130	130
Supply - Demand (ac-ft/yr)	9	18	29	36	38	38
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Mitchell County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	3,233	3,301	3,341	3,265	3,170	2,962
Water Demand (ac-ft/yr)	359	343	327	306	281	262
Current Supply (ac-ft/yr)	359	343	327	306	282	263
Supply - Demand (ac-ft/yr)	0	0	0	0	1	1
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Mitchell County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	223	106	53	26	9	0
Current Supply (ac-ft/yr)	1,000	1,000	1,000	1,000	1,000	1,000
Supply - Demand (ac-ft/yr)	777	894	947	974	991	1,000
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Mitchell County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,238	2,226	2,215	2,204	2,193	2,182
Current Supply (ac-ft/yr)	2,435	2,435	2,435	2,435	2,435	2,435
Supply - Demand (ac-ft/yr)	197	209	220	231	242	253
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Mitchell County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	530	530	530	530	530	530
Current Supply (ac-ft/yr)	530	530	530	530	530	530
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	City of Fork Stockton - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	9,563	10,584	11,246	11,438	11,548	11,659
Water Demand (ac-ft/yr)	2,892	3,047	3,086	3,101	3,092	3,108
Current Supply (ac-ft/yr)	5,600	5,600	5,600	5,600	5,600	5,600
Supply - Demand (ac-ft/yr)	2,708	2,553	2,514	2,499	2,508	2,492
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Iraan - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,768	2,048	2,212	2,293	2,360	2,429
Water Demand (ac-ft/yr)	525	580	600	616	627	642
Current Supply (ac-ft/yr)	525	580	600	616	627	642
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	5,267	5,783	6,126	6,210	6,246	6,062
Water Demand (ac-ft/yr)	730	746	733	722	705	671
Current Supply (ac-ft/yr)	902	902	902	902	902	902
Supply - Demand (ac-ft/yr)	172	156	169	180	197	231
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	7	8	10	11	13	15
Current Supply (ac-ft/yr)	8	8	8	8	8	8
Supply - Demand (ac-ft/yr)	1	0	-2	-3	-5	-7
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	6	6	6	6	6	6
Current Supply (ac-ft/yr)	6	6	6	6	6	6
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	322	267	263	266	270	277
Current Supply (ac-ft/yr)	289	289	289	289	289	289
Supply - Demand (ac-ft/yr)	-33	22	26	23	19	12
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	Irrigation - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	82,458	81,190	79,921	78,652	77,383	76,114
Current Supply (ac-ft/yr)	82,464	81,196	79,927	78,658	77,389	76,120
Supply - Demand (ac-ft/yr)	6	6	6	6	6	6
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Pecos County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,351	1,351	1,351	1,351	1,351	1,351
Current Supply (ac-ft/yr)	1,357	1,357	1,357	1,357	1,357	1,357
Supply - Demand (ac-ft/yr)	6	6	6	6	6	6
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Reagan County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	46,697	45,937	45,177	44,417	43,657	42,897
Current Supply (ac-ft/yr)	28,064	28,060	28,059	28,060	27,981	27,915
Supply - Demand (ac-ft/yr)	-18,633	-17,877	-17,118	-16,357	-15,676	-14,982
Recommended Short Term Strategy - Advanced Conservation (ac-ft/yr)	0	8,087	16,174	16,174	16,174	16,174
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Reagan County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,589	1,524	1,474	1,427	1,439	1,481
Current Supply (ac-ft/yr)	0	0	0	0	0	0
Supply - Demand (ac-ft/yr)	-1,589	-1,524	-1,474	-1,427	-1,439	-1,481
Recommended Short Term Strategy - Non-potable water (ac-ft/yr)	0	1,524	1,474	1,427	1,439	1,481
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Big Lake - Reagan County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	4,133	4,569	4,888	4,994	5,550	6,168
Water Demand (ac-ft/yr)	880	921	942	945	1,032	1,140
Current Supply (ac-ft/yr)	962	962	962	962	1,032	1,140
Supply - Demand (ac-ft/yr)	82	41	20	17	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					

Long Term Strategy (ac-ft/yr)	None identified

Water User Group:	County-Other - Reagan County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	899	997	1,072	1,101	1,232	840
Water Demand (ac-ft/yr)	116	120	121	120	130	87
Current Supply (ac-ft/yr)	116	120	121	120	130	87
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Reagan County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	174	174	174	174	174	174
Current Supply (ac-ft/yr)	159	159	159	159	159	159
Supply - Demand (ac-ft/yr)	-15	-15	-15	-15	-15	-15
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Reeves County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	105,831	104,942	104,053	103,164	102,274	101,385
Current Supply (ac-ft/yr)	66,667	66,667	66,667	66,667	66,667	66,667
Supply - Demand (ac-ft/yr)	-39,164	-38,275	-37,386	-36,497	-35,607	-34,718
Recommended Short Term Strategy - Advanced Conservation (ac-ft/yr)	0	4,963	9,923	9,923	9,923	9,923
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Reeves County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	175	136	116	113	112	115
Current Supply (ac-ft/yr)	0	0	0	0	0	0
Supply - Demand (ac-ft/yr)	-175	-136	-116	-113	-112	-115
Recommended Short Term Strategy - Non-potable water (ac-ft/yr)	0	175	175	175	175	175
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Balmorhea - Reeves County					
	2000	2010	2020	2030	2040	2050
Population	832	830	812	778	729	670
Water Demand (ac-ft/yr)	97	90	83	76	68	62
Current Supply (ac-ft/yr)	130	130	130	130	130	130
Supply - Demand (ac-ft/yr)	33	40	47	54	62	68
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Pecos - Reeves County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	13,389	14,746	15,857	16,415	16,867	17,331
Water Demand (ac-ft/yr)	3,030	3,155	3,233	3,291	3,325	3,397
Current Supply (ac-ft/yr)	3,110	3,440	3,440	3,440	3,440	3,440
Supply - Demand (ac-ft/yr)	80	285	207	149	115	43
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Toyah - Reeves County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	118	117	114	110	103	95
Water Demand (ac-ft/yr)	102	102	102	102	102	102
Current Supply (ac-ft/yr)	102	102	102	102	102	102
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Reeves County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	3,241	3,663	4,029	4,238	4,428	4,450
Water Demand (ac-ft/yr)	773	817	844	867	882	868
Current Supply (ac-ft/yr)	796	796	796	796	796	796
Supply - Demand (ac-ft/yr)	23	-21	-48	-71	-86	-72
Recommended Short Term Strategy - Increase sales from Balmorhea & Pecos (ac-ft/yr)		21	48	71	86	72
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Reeves County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	12	13	13	13	14	15
Current Supply (ac-ft/yr)	13	13	13	13	13	13
Supply - Demand (ac-ft/yr)	1	0	0	0	-1	-2
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Reeves County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,254	2,254	2,254	2,254	2,254	2,254
Current Supply (ac-ft/yr)	2,246	2,246	2,246	2,246	2,246	2,246
Supply - Demand (ac-ft/yr)	-8	-8	-8	-8	-8	-8
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Ballinger - Runnels County					
	2000	2010	2020	2030	2040	2050
Population	4,223	4,451	4,492	4,545	4,597	4,754
Water Demand (ac-ft/yr)	912	917	885	875	869	894
Current Supply (ac-ft/yr)	912	917	885	875	869	894
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy - WTP expansion and CRMWD supplies (ac-ft/yr)	0	632	632	632	627	610
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County Other - Runnels County					
	2000	2010	2020	2030	2040	2050
Population	3,602	3,841	4,311	4,833	5,340	5,765
Water Demand (ac-ft/yr)	458	454	483	526	569	612
Current Supply (ac-ft/yr)	479	475	504	547	575	561
Supply - Demand (ac-ft/yr)	21	21	21	21	6	-51
Recommended Short Term Strategy - Purchase from Ballinger with North Runnels WSC improvements (ac-ft/yr)	0	100	100	100	100	100
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Runnels County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	47	56	68	80	95	112
Current Supply (ac-ft/yr)	47	56	68	80	90	90
Supply - Demand (ac-ft/yr)	0	0	0	0	-5	-22
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy - Purchase water from Ballinger (ac-ft/yr)	0	0	0	0	5	22

Water User Group:	City of Miles - Runnels County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	898	916	915	897	860	835
Water Demand (ac-ft/yr)	129	124	117	111	103	99
Current Supply (ac-ft/yr)	130	130	130	130	130	130
Supply - Demand (ac-ft/yr)	1	6	13	19	27	31
Recommended Short Term Strategy - Ivie WTP (ac-ft/yr)	0	100	100	100	100	100
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Winters - Runnels County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,955	3,121	3,320	3,536	3,735	3,945
Water Demand (ac-ft/yr)	550	552	562	582	603	632
Current Supply (ac-ft/yr)	550	552	562	582	603	632
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy - Purchase from Ballinger w/ transport improvements (ac-ft/yr)	0	100	100	100	100	100
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Runnels County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	35	28	26	25	25	25
Current Supply (ac-ft/yr)	40	40	40	40	40	40
Supply - Demand (ac-ft/yr)	5	12	14	15	15	15
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Runnels County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	7,250	7,221	7,191	7,161	7,132	7,102
Current Supply (ac-ft/yr)	9,193	9,193	9,193	9,193	9,173	9,116
Supply - Demand (ac-ft/yr)	1,943	1,972	2,002	2,032	2,041	2,014
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Runnels County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,716	1,716	1,716	1,716	1,716	1,716
Current Supply (ac-ft/yr)	1,977	1,977	1,977	1,977	1,977	1,977
Supply - Demand (ac-ft/yr)	261	261	261	261	261	261
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Eldorado - Schleicher County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	2,206	2,429	2,565	2,616	2,652	2,688
Water Demand (ac-ft/yr)	465	484	486	486	484	488
Current Supply (ac-ft/yr)	490	490	490	490	490	490
Supply - Demand (ac-ft/yr)	25	6	4	4	6	2
Recommended Short Term Strategy - expand well field (ac-ft/yr)	0	225	225	225	225	225
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Schleicher					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	984	1,030	1,048	1,034	1,012	968
Water Demand (ac-ft/yr)	132	128	122	116	109	104
Current Supply (ac-ft/yr)	154	154	154	154	154	154
Supply - Demand (ac-ft/yr)	22	26	32	38	45	50
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Schleicher					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	147	125	107	104	102	105
Current Supply (ac-ft/yr)	150	150	150	150	150	150
Supply - Demand (ac-ft/yr)	3	25	43	46	48	45
Recommended Short Term Strategy (ac-ft/yr)	None identified					

Long Term Strategy (ac-ft/yr)	None identified

Water User Group:	Irrigation - Schleicher					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,807	1,772	1,737	1,701	1,666	1,630
Current Supply (ac-ft/yr)	2,000	2,000	2,000	2,000	2,000	2,000
Supply - Demand (ac-ft/yr)	193	228	263	299	334	370
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Schleicher					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	594	594	594	594	594	594
Current Supply (ac-ft/yr)	675	675	675	675	675	675
Supply - Demand (ac-ft/yr)	81	81	81	81	81	81
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Snyder - Scurry County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	13,482	14,516	15,330	15,942	16,342	16,752
Water Demand (ac-ft/yr)	3,035	3,122	3,160	3,214	3,240	3,303
Current Supply (ac-ft/yr)	3,035	3,122	3,160	3,214	3,240	3,303
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Scurry County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	6,471	6,795	7,019	7,140	7,145	7,276
Water Demand (ac-ft/yr)	826	815	786	768	736	741
Current Supply (ac-ft/yr)	827	824	817	812	804	805
Supply - Demand (ac-ft/yr)	1	9	31	44	68	64
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Scurry County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	112	392	392	392	392	392
Current Supply (ac-ft/yr)	112	392	392	392	392	392
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Scurry County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	3,694	3,119	2,920	2,867	2,869	2,934
Current Supply (ac-ft/yr)	5,800	5,800	5,800	5,800	5,800	5,800
Supply - Demand (ac-ft/yr)	2,106	2,681	2,880	2,933	2,931	2,866
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Scurry County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	3,325	3,219	3,113	3,007	2,901	2,796
Current Supply (ac-ft/yr)	3,742	3,742	3,742	3,742	3,742	3,742
Supply - Demand (ac-ft/yr)	417	523	629	735	841	946
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Scurry County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	959	959	959	959	959	959
Current Supply (ac-ft/yr)	949	949	949	949	949	949
Supply - Demand (ac-ft/yr)	-10	-10	-10	-10	-10	-10
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	Sterling City - Sterling County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,217	1,362	1,468	1,512	1,541	1,571
Water Demand (ac-ft/yr)	273	288	294	298	299	303
Current Supply (ac-ft/yr)	273	288	294	298	299	303
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Sterling County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	341	359	368	364	358	275
Water Demand (ac-ft/yr)	42	41	39	38	35	27
Current Supply (ac-ft/yr)	45	45	45	45	45	45
Supply - Demand (ac-ft/yr)	3	4	6	7	10	18
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Sterling County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	570	422	405	397	393	396
Current Supply (ac-ft/yr)	585	585	585	585	585	585
Supply - Demand (ac-ft/yr)	15	163	180	188	192	189
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Sterling County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	886	851	817	782	748	714
Current Supply (ac-ft/yr)	980	982	983	983	982	981
Supply - Demand (ac-ft/yr)	94	131	166	201	234	267
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Sterling County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	571	571	571	571	571	571
Current Supply (ac-ft/yr)	571	571	571	571	571	571
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Sonora - Sutton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	3,097	3,479	3,736	3,854	3,933	4,014
Water Demand (ac-ft/yr)	1,114	1,196	1,235	1,256	1,269	1,290
Current Supply (ac-ft/yr)	1,150	1,196	1,235	1,256	1,269	1,290
Supply - Demand (ac-ft/yr)	36	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Sutton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,480	1,475	1,461	1,333	1,216	1,059
Water Demand (ac-ft/yr)	324	307	289	257	230	199
Current Supply (ac-ft/yr)	299	299	299	299	299	299
Supply - Demand (ac-ft/yr)	-25	-8	10	42	69	100
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Sutton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	81	81	81	83	84	86
Current Supply (ac-ft/yr)	81	81	81	83	84	86
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Sutton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,248	2,206	2,164	2,122	2,080	2,038
Current Supply (ac-ft/yr)	2,461	2,461	2,461	2,461	2,461	2,461
Supply - Demand (ac-ft/yr)	213	255	297	339	381	423
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Sutton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	690	690	690	690	690	690
Current Supply (ac-ft/yr)	779	779	779	779	779	779
Supply - Demand (ac-ft/yr)	89	89	89	89	89	89
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of San Angelo - Tom Green County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	99,750	113,112	126,204	134,138	146,028	158,972
Water Demand (ac-ft/yr)	24,693	26,607	28,273	29,450	31,733	34,368
Current Supply (ac-ft/yr)	29,351	29,110	28,880	28,563	28,313	28,080
Supply - Demand (ac-ft/yr)	4,658	2,503	607	-887	-3,420	-6,288
Recommended Short Term Strategy - McCulloch Well Field and CRMWD distribution improvements (ac-ft/yr)	0	0	0	26,650	26,500	26,500
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County Other - Tom Green County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	14,904	17,112	18,492	24,477	26,653	26,790
Water Demand (ac-ft/yr)	2,473	2,624	2,636	3,244	3,435	3,421
Current Supply (ac-ft/yr)	2,492	2,483	2,461	2,516	2,504	2,475
Supply - Demand (ac-ft/yr)	19	-141	-175	-728	-931	-946
Recommended Short Term Strategy - Purchase from San Angelo & Ivie WTP (ac-ft/yr)	0	200	200	750	1,000	1,000
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Tom Green County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	120,102	119,808	119,515	119,221	118,928	118,634
Current Supply (ac-ft/yr)	82,239	82,192	82,145	82,057	81,969	81,881
Supply - Demand (ac-ft/yr)	-37,863	-37,616	-37,370	-37,164	-36,959	-36,753
Recommended Short Term Strategy - Demand reduction and Effluent from San Angelo (ac-ft/yr)	3,286	14,957	28,575	29,281	30,551	32,032
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric Power - Tom Green County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population (number of persons)						
Water Demand (ac-ft/yr)	1,020	3,680	3,680	3,680	3,680	3,680
Current Supply (ac-ft/yr)	1,602	1,524	1,449	1,386	1,298	1,210
Supply - Demand (ac-ft/yr)	582	-2,156	-2,231	-2,294	-2,382	-2,470
Recommended Short Term Strategy - Treated effluent from San Angelo (ac-ft/yr)	0	2,500	2,500	2,500	2,500	2,500
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Tom Green County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	718	777	832	889	976	1,064
Current Supply (ac-ft/yr)	790	840	887	936	1,010	1,084
Supply - Demand (ac-ft/yr)	72	63	55	47	34	20
Recommended Short Term Strategy (ac-ft/yr)	None identified					

Long Term Strategy (ac-ft/yr)	None identified

Water User Group:	Mining - Tom Green County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	79	81	84	87	90	93
Current Supply (ac-ft/yr)	192	192	192	192	192	192
Supply - Demand (ac-ft/yr)	113	111	108	105	102	99
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Tom Green County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,124	2,124	2,124	2,124	2,124	2,124
Current Supply (ac-ft/yr)	2,324	2,324	2,324	2,324	2,324	2,324
Supply - Demand (ac-ft/yr)	200	200	200	200	200	200
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Irrigation - Upton County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	19,824	19,547	19,270	18,994	18,717	18,440
Current Supply (ac-ft/yr)	14,681	14,681	14,681	14,681	14,681	14,681
Supply - Demand (ac-ft/yr)	-5,143	-4,866	-4,589	-4,313	-4,036	-3,759
Recommended Short Term Strategy - Advanced conservation (ac-ft/yr)	0	2,817	5,633	5,633	5,633	5,633
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Upton County					
	2000	2010	2020	2030	2040	2050
Population						
Water Demand (ac-ft/yr)	2,405	1,887	1,792	1,757	1,762	1,813
Current Supply (ac-ft/yr)	618	618	618	618	618	618
Supply - Demand (ac-ft/yr)	-1,787	-1,269	-1,174	-1,139	-1,144	-1,195
Recommended Short Term Strategy - Use excess water savings from irrigation strategy (ac-ft/yr)	0	0	1,044	1,320	1,597	1,874
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of McCamey - Upton County					
	2000	2010	2020	2030	2040	2050
Population	2,665	2,943	3,142	3,147	3,113	3,079
Water Demand (ac-ft/yr)	579	607	612	603	586	576
Current Supply (ac-ft/yr)	627	627	627	627	627	627
Supply - Demand (ac-ft/yr)	48	20	15	24	41	51
Recommended Short Term Strategy (ac-ft/yr)	No strategy identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Rankin - Upton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,102	1,275	1,338	1,375	1,406	1,438
Water Demand (ac-ft/yr)	236	259	259	262	263	267
Current Supply (ac-ft/yr)	236	259	259	262	263	267
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	No strategy identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Upton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,127	1,193	1,248	1,290	1,328	1,320
Water Demand (ac-ft/yr)	193	193	190	192	193	190
Current Supply (ac-ft/yr)	193	193	193	193	193	193
Supply - Demand (ac-ft/yr)	0	0	3	1	0	3
Recommended Short Term Strategy (ac-ft/yr)	No strategy identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Upton County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	106	106	106	106	106	106
Current Supply (ac-ft/yr)	166	166	166	166	166	166
Supply - Demand (ac-ft/yr)	60	60	60	60	60	60
Recommended Short Term Strategy (ac-ft/yr)	No strategy identified					
Long Term Strategy (ac-ft/yr)	None identified					

SUMMARY TABLES

Water User Group:	Irrigation - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	11,273	11,136	10,999	10,862	10,725	10,588
Current Supply (ac-ft/yr)	5,843	5,849	5,933	6,056	6,217	6,324
Supply - Demand (ac-ft/yr)	-5,430	-5,287	-5,066	-4,806	-4,508	-4,264
Recommended Short Term Strategy - Advanced Conservation (ac-ft/yr)	0	127	254	254	254	254
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Mining - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	635	495	318	231	190	194
Current Supply (ac-ft/yr)	0	0	0	0	0	0
Supply - Demand (ac-ft/yr)	-635	-495	-318	-231	-190	-194
Recommended Short Term Strategy - Non-potable water (ac-ft/yr)	635	635	635	635	635	635
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Steam Electric Power - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	5,500	6,050	7,260	8,712	10,454	12,545
Current Supply (ac-ft/yr)	5,728	5,683	5,680	5,689	5,724	5,763
Supply - Demand (ac-ft/yr)	228	-367	-1,580	-3,023	-4,730	-6,782
Recommended Short Term Strategy - Develop new wells (ac-ft/yr)	0	6,782	6,782	6,782	6,782	6,782

Long Term Strategy (ac-ft/yr)	None identified

Water User Group:	City of Barstow - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	501	470	431	402	391	382
Water Demand (ac-ft/yr)	103	92	80	72	69	67
Current Supply (ac-ft/yr)	103	92	80	72	69	67
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Grand Falls - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	612	602	581	560	563	571
Water Demand (ac-ft/yr)	216	204	187	179	177	179
Current Supply (ac-ft/yr)	216	204	0	0	0	0
Supply - Demand (ac-ft/yr)	0	0	-187	-179	-177	-179
Recommended Short Term Strategy (ac-ft/yr)	0	0	187	179	177	179
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Monahans - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	8,392	8,847	9,054	8,857	8,548	8,250
Water Demand (ac-ft/yr)	2,839	2,874	2,819	2,728	2,585	2,495
Current Supply (ac-ft/yr)	4,039	4,074	4,019	3,928	3,785	3,695
Supply - Demand (ac-ft/yr)	1,200	1,200	1,200	1,200	1,200	1,200
Recommended Short Term Strategy (ac-ft/yr)	None identified					

Long Term Strategy (ac-ft/yr)	None identified

Water User Group:	City of Thortonville - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	749	745	727	694	649	611
Water Demand (ac-ft/yr)	164	155	143	134	122	114
Current Supply (ac-ft/yr)	164	155	143	134	122	114
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Wickett - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	490	459	423	414	405	397
Water Demand (ac-ft/yr)	218	197	174	168	163	159
Current Supply (ac-ft/yr)	218	197	174	168	163	159
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	3,225	3,699	3,990	4,029	3,952	3,674
Water Demand (ac-ft/yr)	568	632	673	667	639	597
Current Supply (ac-ft/yr)	568	632	673	667	639	597
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Manufacturing - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	4	4	5	6	6	7
Current Supply (ac-ft/yr)	4	4	5	6	6	7
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Ward County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	293	293	293	293	293	293
Current Supply (ac-ft/yr)	287	287	287	287	287	287
Supply - Demand (ac-ft/yr)	-6	-6	-6	-6	-6	-6
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Kermit - Winkler County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	7,348	7,952	8,393	8,523	8,611	8,700
Water Demand (ac-ft/yr)	2,387	2,467	2,491	2,492	2,489	2,505
Current Supply (ac-ft/yr)	2,387	2,467	2,491	2,492	2,489	2,505
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	City of Wink - Winkler County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	1,303	1,430	1,517	1,544	1,567	1,590
Water Demand (ac-ft/yr)	339	354	360	361	360	363
Current Supply (ac-ft/yr)	339	354	360	361	360	363
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	County-Other - Winkler County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population	631	660	689	697	697	530
Water Demand (ac-ft/yr)	148	147	146	144	142	111
Current Supply (ac-ft/yr)	151	151	151	151	151	151
Supply - Demand (ac-ft/yr)	3	4	5	7	9	40
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	**Manufacturing - Winkler County**					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	8	10	11	12	14	17
Current Supply (ac-ft/yr)	8	10	11	12	14	17
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	**Mining - Winkler County**					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	2,040	1,779	1,605	1,436	1,360	1,398
Current Supply (ac-ft/yr)	2,040	1,940	1,940	1,940	1,940	1,940
Supply - Demand (ac-ft/yr)	0	161	335	504	580	542
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	**Irrigation - Winkler County**					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	1,500	1,500	1,500	1,500	1,500	1,500
Current Supply (ac-ft/yr)	1,500	1,500	1,500	1,500	1,500	1,500
Supply - Demand (ac-ft/yr)	0	0	0	0	0	0
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Water User Group:	Livestock - Winkler County					
	2000	**2010**	**2020**	**2030**	**2040**	**2050**
Population						
Water Demand (ac-ft/yr)	192	192	192	192	192	192
Current Supply (ac-ft/yr)	189	189	189	189	189	189
Supply - Demand (ac-ft/yr)	-3	-3	-3	-3	-3	-3
Recommended Short Term Strategy (ac-ft/yr)	None identified					
Long Term Strategy (ac-ft/yr)	None identified					

Table C-1
Lake Ballinger Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0	639	0	2,366	4,471	2,579	18	3,127	453	0	483	0	14,136
1941	0	843	621	7,940	14,342	13,666	204	708	182	8,258	785	372	47,921
1942	235	132	29	6,099	6,049	381	373	259	456	6,138	165	223	20,539
1943	63	17	316	28	349	0	283	0	0	0	0	0	1,056
1944	0	616	81	0	1,965	16	418	1,709	470	3,239	1	11	8,526
1945	6	10	42	1,885	296	1,933	5,235	0	0	5	0	0	9,412
1946	0	0	0	0	13,157	757	33	30	2,445	0	558	31	17,011
1947	6	0	5	0	1,543	1,362	0	0	0	4,927	47	1,908	9,798
1948	229	9	1	524	190	529	697	124	3	599	0	0	2,905
1949	0	0	0	570	4,508	752	265	0	20	475	2	30	6,622
1950	0	0	0	0	178	0	7	12	2,691	0	0	0	2,888
1951	0	0	0	0	8,083	4,177	0	1,236	5	0	0	0	13,501
1952	0	0	0	600	1,159	996	0	0	4,871	0	16	0	7,642
1953	0	0	29	0	4,155	0	1,012	3,766	100	1,774	21	0	10,857
1954	0	0	0	14,935	14,265	484	0	0	0	0	0	0	29,684
1955	0	0	0	0	12,917	1,355	342	445	4,873	2,167	0	0	22,099
1956	0	0	0	1,311	22,377	0	0	0	0	285	244	0	24,217
1957	0	0	0	3,132	21,482	6,815	50	0	290	22,501	968	235	55,473
1958	181	403	437	223	1,406	589	9	175	274	40	48	27	3,812
1959	59	112	8	20	96	3,613	2,229	91	0	1,752	329	317	8,626
1960	1,633	317	394	1,899	688	23	126	294	0	66	38	79	5,557
1961	155	81	55	6	55	5,553	719	2	5,010	241	745	382	13,004
1962	234	102	82	242	38	735	2,808	106	353	2,715	137	219	7,771
1963	99	63	46	45	3,636	909	0	0	0	0	60	8	4,866
1964	12	241	31	699	25	18	0	4,563	1,203	29	60	32	6,913
1965	27	32	16	14	14,402	2,198	61	0	713	212	537	196	18,408
1966	937	555	415	2,957	6,615	1,350	4	1,306	1,427	255	600	630	17,051
1967	666	401	210	23	575	826	553	0	208	23	34	69	3,588
1968	2,627	735	2,025	3,914	5,268	123	2,639	229	41	19	224	418	18,262
1969	252	170	335	1,074	18,110	3,266	20	355	4,487	1,313	1,171	2,384	32,937
1970	1,739	1,119	4,207	2,365	2,882	2,424	190	40	131	102	110	154	15,463
1971	153	127	69	424	1,476	6,001	136	6,056	8,045	4,614	1,412	1,890	30,403
1972	1,128	871	459	226	1,512	514	318	84	302	1,906	1,222	696	9,238

Lake Ballinger Runoff
Values in Acre-Feet

1973	1,082	1,009	1,178	2,840	379	4,440	1,203	331	783	1,013	423	382	15,063
1974	353	269	394	97	209	2	0	1,988	13,179	10,174	7,039	2,023	35,727

Table C-1, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1975	1,724	3,852	1,378	845	1,317	1,171	244	45	19	88	361	248	11,292
1976	187	163	155	1,409	534	292	351	18	4,593	3,214	1,523	455	12,894
1977	498	398	822	2,937	843	488	358	4	0	54	21	37	6,460
1978	68	162	56	72	464	2	0	21,239	104	19	37	43	22,266
1979	68	94	4,985	776	1,705	1,256	1,630	141	0	0	0	10	10,665
1980	38	51	66	17	400	853	3	0	4,418	303	163	311	6,623
1981	229	199	1,488	307	877	520	151	0	33	23,620	697	531	28,652
1982	541	432	409	126	394	22,620	1,109	439	362	75	149	241	26,897
1983	321	312	248	604	52	130	68	0	0	0	1	20	1,756
1984	67	27	38	7	0	35	0	0	184	633	16	295	1,302
1985	294	208	431	863	756	154	625	95	0	1,249	26	18	4,719
1986	14	53	13	6	576	11,264	103	661	1,210	5,509	1,930	2,091	23,430
1987	1,340	2,821	5,050	1,745	9,877	4,136	871	300	644	113	200	601	27,698
1988	521	393	281	127	59	682	62	0	0	1	0	32	2,158
1989	52	221	145	206	295	10,303	3	0	839	0	0	22	12,086
1990	38	35	117	494	3,374	436	39	785	4,689	1,994	713	448	13,162
1991	910	620	318	98	544	3,581	291	179	1,888	2,843	1,085	16,524	28,881
1992	4,710	24,454	7,699	2,122	1,058	1,869	664	601	268	41	213	215	43,914
1993	304	323	478	223	146	459	2	0	0	0	0	15	1,950
1994	47	109	44	7	18,786	1,221	38	0	174	177	1,440	641	22,684
1995	446	301	467	1,276	767	2,793	108	3,010	352	154	290	282	10,246
1996	271	196	143	401	1,606	666	1	1,176	21,111	1,108	1,438	1,342	29,459
Average	431	777	637	1,248	4,093	2,339	468	978	1,647	2,036	487	652	15,792

Table C-2
Lake Moonen Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0	96	71	907	1,639	1,562	23	81	21	944	90	43	5,477
1942	27	15	3	697	691	44	43	30	52	702	19	26	2,349
1943	7	2	36	3	40	0	32	0	0	0	0	0	120
1944	0	70	9	0	225	2	48	195	54	370	0	1	974
1945	1	1	5	215	34	221	598	0	0	1	0	0	1,076
1946	0	0	0	0	1,504	86	4	3	279	0	64	4	1,944
1947	1	0	1	0	176	156	0	0	0	563	5	218	1,120
1948	26	1	0	60	22	60	80	14	0	68	0	0	331
1949	0	0	0	65	515	86	30	0	2	54	0	3	755
1950	0	0	0	0	20	0	1	1	308	0	0	0	330
1951	0	0	0	0	924	477	0	141	1	0	0	0	1,543
1952	0	0	0	69	132	114	0	0	557	0	2	0	874
1953	0	0	3	0	475	0	116	430	11	203	2	0	1,240
1954	0	0	0	1,707	1,630	55	0	0	0	0	0	0	3,392
1955	0	0	0	0	1,476	155	39	51	557	248	0	0	2,526
1956	0	0	0	150	2,557	0	0	0	0	33	28	0	2,768
1957	0	0	0	358	2,455	779	6	0	33	2,572	111	27	6,341
1958	21	46	50	26	161	67	1	20	31	5	5	3	436
1959	7	13	1	2	11	413	255	10	0	200	38	36	986
1960	187	36	45	217	79	3	14	34	0	8	4	9	636
1961	18	9	6	1	6	635	82	0	573	28	85	44	1,487
1962	27	12	9	28	4	84	321	12	40	310	16	25	888
1963	11	7	5	5	416	104	0	0	0	0	7	1	556
1964	1	28	3	80	3	2	0	521	137	3	7	4	789
1965	3	4	2	2	1,646	251	7	0	81	24	61	22	2,103
1966	107	63	47	338	756	154	0	149	163	29	69	72	1,947
1967	76	46	24	3	66	94	63	0	24	3	4	8	411
1968	300	84	231	447	602	14	302	26	5	2	26	48	2,087
1969	29	19	38	123	2,070	373	2	41	513	150	134	272	3,764
1970	199	128	481	270	329	277	22	5	15	12	13	18	1,769
1971	17	15	8	48	169	686	16	692	919	527	161	216	3,474
1972	129	100	52	26	173	59	36	10	34	218	140	80	1,057
1973	124	115	135	325	43	507	137	38	89	116	48	44	1,721

Lake Moonen Runoff
Values in Acre-Feet

1974	40	31	45	11	24	0	0	227	1,506	1,163	804	231	4,082
1975	197	440	158	97	151	134	28	5	2	10	41	28	1,291

Lake Moonen Runoff
Values in Acre-Feet

Table C-2, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	21	19	18	161	61	33	40	2	525	367	174	52	1,473
1977	57	45	94	336	96	56	41	0	0	6	2	4	737
1978	8	19	6	8	53	0	0	2,427	12	2	4	5	2,544
1979	8	11	570	89	195	144	186	16	0	0	0	1	1,220
1980	4	6	7	2	46	97	0	0	505	35	19	36	757
1981	26	23	170	35	100	59	17	0	4	2,699	80	61	3,274
1982	62	49	47	14	45	2,585	127	50	41	9	17	28	3,074
1983	37	36	28	69	6	15	8	0	0	0	0	2	201
1984	8	3	4	1	0	4	0	0	21	72	2	34	149
1985	34	24	49	99	86	18	71	11	0	143	3	2	540
1986	2	6	1	1	66	1,287	12	76	138	630	221	239	2,679
1987	153	322	577	199	1,129	473	100	34	74	13	23	69	3,166
1988	59	45	32	15	7	78	7	0	0	0	0	4	247
1989	6	25	17	24	34	1,177	0	0	96	0	0	2	1,381
1990	4	4	13	56	386	50	4	90	536	228	82	51	1,504
1991	104	71	36	11	62	409	33	21	216	325	124	1,889	3,301
1992	538	2,795	880	242	121	214	76	69	31	5	24	25	5,020
1993	35	37	55	25	17	53	0	0	0	0	0	2	224
1994	5	12	5	1	2,147	139	4	0	20	20	165	73	2,591
1995	51	34	53	146	88	319	12	344	40	18	33	32	1,170
1996	31	22	16	46	184	76	0	134	2,413	127	164	153	3,366
Average	50	89	74	140	467	267	54	107	191	237	56	76	1,808

Table C-3
Oak Creek Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0	6	0	803	446	7,950	385	16,658	976	0	0	0	27,224
1941	229	100	167	7,309	808	853	1,450	2,771	691	563	1,126	669	16,736
1942	741	953	0	0	725	2,955	931	0	6,556	2,732	920	0	16,513
1943	0	1,004	1,160	463	1,137	3,875	0	0	0	418	0	0	8,057
1944	0	0	284	0	2,353	2,302	15,398	613	0	184	89	0	21,223
1945	0	128	1,160	3,300	686	736	16,441	201	474	45	0	329	23,500
1946	0	374	864	1,500	0	0	0	0	5,285	781	624	357	9,785
1947	56	0	0	0	13,218	346	390	223	0	3,507	301	0	18,041
1948	162	245	1,684	72	0	0	1,745	2,721	0	652	0	0	7,281
1949	0	0	0	6,461	3,094	1,087	295	100	3,211	2,442	0	0	16,690
1950	0	0	0	1,238	457	201	284	0	3,635	106	0	0	5,921
1951	0	0	0	0	14,004	4,873	2,815	134	0	0	0	0	21,826
1952	0	0	0	1,277	0	145	262	178	563	0	0	0	2,425
1953	117	0	33	123	8,136	0	479	6,398	0	1,296	0	0	16,582
1954	1	48	99	5,257	4,051	532	0	0	75	223	982	103	11,371
1955	0	1,039	443	826	6,349	475	1,127	576	350	1,096	0	0	12,281
1956	0	58	151	4,075	2,540	0	133	0	107	2,816	0	673	10,553
1957	5	840	807	3,439	13,812	4,382	2,374	0	423	14,467	534	37	41,120
1958	69	271	0	0	408	0	0	0	0	0	0	0	748
1959	0	0	0	0	455	1,780	1,475	47	0	326	0	157	4,240
1960	55	173	216	168	0	3,080	0	24	0	136	0	0	3,852
1961	0	92	0	0	0	97	221	0	576	355	106	0	1,447
1962	0	103	112	151	0	0	1,364	319	2,233	634	102	0	5,018
1963	89	335	572	402	2,275	242	450	1,166	118	43	78	0	5,770
1964	64	18	149	1,506	274	1,423	0	3,829	2,354	159	181	121	10,078
1965	76	44	138	994	9,888	3,445	345	422	2,679	408	153	79	18,671
1966	0	24	299	5,549	1,478	5,602	153	0	0	37	154	46	13,342
1967	266	178	376	221	0	4,425	1,060	0	357	0	193	34	7,110
1968	392	281	2,014	2,054	3,411	544	2,604	1,887	0	0	0	178	13,365
1969	172	139	384	656	7,956	3,602	34	187	681	0	107	501	14,419
1970	806	333	950	706	505	122	0	329	0	0	23	139	3,913
1971	184	121	517	554	110	2,031	189	2,889	4,882	2,029	534	485	14,525
1972	372	524	494	702	2,112	522	281	1,532	459	811	1,013	418	9,240

Oak Creek Reservoir Runoff
Values in Acre-Feet

1973	342	725	1,998	2,602	1,532	744	381	0	155	0	98	5	8,582
1974	375	454	630	800	78	0	0	2,103	7,830	11,785	4,525	1,117	29,697

Oak Creek Reservoir Runoff
Values in Acre-Feet

Table C-3, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1975	952	2,476	761	467	246	136	601	867	0	343	694	235	7,778
1976	99	521	157	659	0	170	82	0	0	0	417	307	2,412
1977	260	146	861	2,056	684	1,323	0	0	0	0	0	0	5,330
1978	0	0	0	0	0	0	128	1,755	0	0	39	55	1,977
1979	0	0	2,271	532	1,534	334	959	1,194	0	0	0	0	6,824
1980	119	0	122	166	0	1,323	93	270	13,262	1,413	584	1,117	18,469
1981	602	290	1,395	2,916	960	0	0	0	43	7,229	365	268	14,068
1982	573	313	378	816	149	12,491	612	53	0	334	14	280	16,013
1983	530	612	255	130	0	126	0	0	0	818	0	0	2,471
1984	16	239	342	334	66	0	0	0	0	821	0	74	1,892
1985	2,355	670	356	666	107	0	178	0	0	2,348	229	0	6,909
1986	0	404	80	362	1,411	11,940	1,084	7,009	668	3,042	1,066	1,155	28,221
1987	740	1,814	3,247	1,122	6,350	2,659	252	0	298	36	236	883	17,637
1988	423	726	339	367	179	533	509	0	563	192	320	211	4,362
1989	0	31	782	80	350	2,228	0	0	0	0	31	0	3,502
1990	0	0	340	2,657	2,845	712	0	133	2,862	467	196	0	10,212
1991	727	1,038	756	344	796	3,245	45	265	535	489	324	1,987	10,551
1992	1,601	7,616	3,876	1,793	680	1,202	367	232	0	0	495	111	17,973
1993	66	392	507	1,415	1,178	0	536	0	0	12	0	0	4,106
1994	157	276	49	304	5,028	614	91	0	405	0	338	0	7,262
1995	174	0	301	1,452	0	1,219	151	8,436	817	164	0	128	12,842
1996	381	679	242	516	290	1,223	492	41	5,032	1,270	1,652	1,431	13,249
Average	252	471	581	1,270	2,196	1,752	1,039	1,150	1,213	1,176	331	240	11,670

Table C-4
Thomas Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0	800	4,900	20,200	23,700	20,200	12,000	5,000	2,000	26,000	1,000	1,000	116,800
1942	0	0	0	1,000	3,000	0	0	20,000	8,000	4,000	0	2,000	38,000
1943	0	0	0	0	2,000	3,000	1,000	0	0	0	0	0	6,000
1944	0	0	1,000	0	8,000	2,000	13,000	2,000	2,000	2,000	0	0	30,000
1945	0	0	0	0	0	2,000	29,000	3,000	2,000	5,000	0	0	41,000
1946	0	0	0	0	3,000	1,500	0	0	11,300	7,800	100	1,000	24,700
1947	200	100	100	100	56,300	1,100	300	0	900	100	100	1,300	60,600
1948	0	100	0	0	8,600	15,200	46,000	1,000	300	3,300	1,300	0	75,800
1949	200	100	0	3,100	6,300	5,900	700	3,500	3,300	200	0	0	23,300
1950	0	0	0	300	12,100	4,000	4,500	300	15,800	100	0	0	37,100
1951	0	0	0	0	100	3,600	10,300	14,000	100	0	0	0	28,100
1952	0	0	0	0	0	0	0	0	500	0	100	100	700
1953	0	0	0	400	200	0	3,100	3,400	5,100	16,100	0	0	28,300
1954	0	0	0	36,947	20,245	21,735	0	0	0	0	0	0	78,927
1955	0	606	4,295	934	41,107	4,315	24,568	717	44,608	11,037	0	0	132,187
1956	0	0	140	3,407	11,223	6,458	0	0	0	659	0	135	22,022
1957	0	6,742	0	2,883	35,349	13,688	858	0	0	9,105	200	54	68,879
1958	0	0	0	17,725	14,032	0	0	1,893	54	0	0	0	33,704
1959	0	0	156	0	2,936	6,389	17,796	0	0	6,618	0	0	33,895
1960	0	0	0	0	0	0	33,132	549	0	60,107	0	0	93,788
1961	0	0	0	258	0	11,494	26,785	0	0	0	0	0	38,537
1962	0	0	65	0	0	26,261	1,246	1,247	55,040	0	0	0	83,859
1963	0	303	970	186	8,642	8,850	0	0	0	0	0	0	18,951
1964	0	0	0	0	5,113	2,305	0	7,426	0	0	0	0	14,844
1965	0	0	0	0	8,668	7,865	742	3,978	17,000	0	0	0	38,253
1966	0	0	0	23,852	5,696	8,032	1,408	5,376	10,890	0	0	0	55,254
1967	104	137	1,166	391	0	46,710	6,179	0	0	0	0	0	54,687
1968	0	0	1,284	1,727	0	3,191	0	100	0	0	0	0	6,302
1969	0	0	0	0	17,802	0	717	859	915	932	27	0	21,252
1970	0	0	0	0	408	2,986	0	0	0	0	0	0	3,394
1971	0	0	0	0	6,629	1,846	1,962	51,254	8,790	0	0	0	70,481
1972	0	601	964	697	2,723	1,735	587	41,116	4,884	35	0	0	53,342
1973	1,057	2,569	4,084	0	0	0	0	0	0	0	0	0	7,710

Thomas Reservoir Runoff
Values in Acre-Feet

1974	212	463	313	1,258	305	0	107	433	4,365	6,492	673	96	14,717
1975	37	0	0	310	3,133	2,762	10,732	3,985	3,472	217	8	238	24,894

Thomas Reservoir Runoff
Values in Acre-Feet

Table C-4, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	101	458	0	5,381	302	0	27,835	159	556	4	0	106	34,902
1977	0	125	240	1,351	1,202	677	558	860	0	0	0	56	5,069
1978	0	62	125	0	468	3,270	507	0	5,940	0	0	0	10,372
1979	159	0	213	0	1,990	6,043	11,586	0	0	0	0	0	19,991
1980	0	15	0	0	17,100	3,942	0	0	40,378	1,265	125	1,666	64,491
1981	144	132	174	11,641	0	1,053	0	0	0	0	0	0	13,144
1982	0	0	89	269	6,616	25,401	1,166	0	0	0	0	0	33,541
1983	439	160	40	160	0	223	61	286	0	7,151	103	0	8,623
1984	0	0	52	109	659	75	324	360	1,042	673	1,218	867	5,379
1985	274	159	402	2,245	7,903	5,311	406	178	518	8,143	0	0	25,539
1986	183	120	450	0	264	8,812	0	2,695	21,609	12,791	956	2,546	50,426
1987	400	2,617	691	925	35,708	6,874	4,930	794	159	0	0	0	53,098
1988	195	437	196	574	357	2,907	7,049	0	2,257	0	0	203	14,175
1989	134	213	566	295	0	947	1,000	29	2,034	132	63	0	5,413
1990	113	0	671	5,470	0	0	802	3,297	402	499	0	0	11,254
1991	20	193	102	618	6,756	6,424	1,340	1,100	3,959	1,168	353	4,320	26,353
1992	1,319	3,769	706	255	31,772	15,092	0	0	1,049	0	0	189	54,151
1993	25	281	83	246	60	8,953	702	320	164	5	1	14	10,854
1994	295	128	196	0	760	177	74	608	1,299	203	35	0	3,775
1995	0	0	0	0	4,087	298	0	0	1,671	149	0	47	6,252
1996	20	192	32	0	0	0	0	1,675	261	0	1,061	550	3,791
1997	150	1,450	385	2,952	1,097	11,477	0	0	0	0	0	0	17,511
1998	83	68	100	25	0	295	13	57	407	0	0	122	1,170
Average	101	398	430	2,555	7,317	5,920	5,260	3,165	4,914	3,310	128	286	33,785

Table C-5
O.H. Ivie Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	604	7,641	12,672	50,151	152,084	122,336	17,109	16,331	10,332	37,515	9,568	4,565	440,908
1942	2,773	1,613	2,402	41,731	70,378	4,238	3,554	19,879	16,638	27,474	3,072	2,925	196,677
1943	1,833	2,381	1,468	2,179	9,929	545	3,741	0	898	942	0	325	24,241
1944	3,967	2,594	5,987	1,249	40,288	4,472	0	6,851	25,213	30,231	1,039	1,577	123,468
1945	1,865	3,175	4,097	16,023	3,331	9,742	59,229	1,611	0	9,419	994	911	110,397
1946	884	2,682	1,421	0	49,385	7,541	597	2,895	28,320	4,097	9,435	11,091	118,348
1947	2,238	1,361	1,802	3,531	57,709	15,504	1,235	0	0	15,321	2,133	10,630	111,464
1948	715	0	2,906	3,915	8,476	8,386	36,271	7,966	5,392	3,154	210	210	77,601
1949	1,153	2,635	32,094	114,848	87,741	14,840	1,150	7,034	3,335	19,419	1,073	711	286,033
1950	1,134	4,713	288	4,093	10,646	4,555	1,858	1,304	19,255	1,954	108	127	50,035
1951	267	119	70	41	49,479	42,346	0	8,289	3,130	177	0	0	103,918
1952	0	0	0	20,455	58,667	15,711	0	0	65,794	666	3,683	1,386	166,362
1953	323	26	25,152	0	19,402	0	2,203	52,626	3,632	29,323	2,610	427	135,724
1954	205	224	894	67,020	93,930	14,091	6,003	1,247	0	0	296	0	183,910
1955	0	2,496	306	76	202,571	117,060	70,463	4,861	44,350	7,871	9	0	450,063
1956	0	980	0	2,699	156,072	0	0	924	647	22,647	8,689	0	192,658
1957	10	0	18,535	97,503	300,544	78,188	1,859	0	17,244	57,205	15,721	5,367	592,176
1958	5,842	12,208	12,955	3,402	26,162	8,966	1,949	666	2,145	771	2,096	375	77,537
1959	1,247	430	0	0	4,898	87,903	35,623	839	0	88,148	10,332	7,847	237,267
1960	35,853	11,851	5,996	17,185	9,423	2,104	751	2,411	459	23,809	4,475	3,397	117,714
1961	12,182	15,701	3,021	746	11,891	53,507	6,378	2,316	10,494	19,471	3,174	3,240	142,121
1962	2,788	1,944	1,064	1,642	491	3,155	6,949	870	0	21,708	3,005	1,215	44,831
1963	1,178	778	466	0	43,313	26,183	0	0	449	-388	306	1,147	73,432
1964	590	2,626	1,444	36,362	0	320	33	5,730	47,755	2,397	12,765	1,242	111,264
1965	1,279	5,350	1,737	0	106,283	12,396	408	0	463	450	1,871	597	130,834
1966	701	1,066	1,274	4,054	27,653	26	447	0	28,943	368	0	254	64,786
1967	510	149	806	2,597	19,491	0	7,967	3,459	57,185	4,265	2,392	2,169	100,990
1968	103,289	15,615	51,095	20,210	40,951	8,967	6,459	1,251	720	854	1,565	3,000	253,976
1969	2,001	1,720	2,872	11,874	72,495	16,376	551	941	31,045	8,136	9,051	21,444	178,506
1970	17,662	10,549	38,216	12,239	27,815	12,808	1,176	56	3,690	2,764	2,333	2,404	131,712
1971	2,614	1,742	942	3,022	1,874	15,278	15,404	61,225	39,453	34,488	9,669	9,844	195,555
1972	7,984	6,738	4,296	2,350	8,893	3,966	1,738	5,359	2,129	6,882	8,882	6,508	65,725
1973	7,323	7,911	8,097	17,518	8,131	17,974	7,532	4,064	7,402	7,365	2,624	2,568	98,509

O.H. Ivie Reservoir Runoff
Values in Acre-Feet

1974	3,330	1,522	1,794	240	5,994	0	0	6,010	70,134	47,891	52,819	17,194	206,928
1975	16,427	24,511	12,241	8,382	40,138	13,176	7,864	3,059	3,176	3,808	8,701	4,799	146,282

O.H. Ivie Reservoir Runoff
Values in Acre-Feet

Table C-5, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	4,243	2,582	1,397	9,089	5,571	464	16,439	1,539	11,734	12,550	10,662	6,438	82,708
1977	6,220	5,010	5,333	32,441	15,452	11,412	3,291	1,387	2,337	3,183	3,532	2,956	92,554
1978	3,470	4,405	1,838	913	17,371	7,470	0	87,824	3,182	2,314	3,230	2,857	134,874
1979	2,878	3,032	16,082	12,589	10,637	3,986	5,876	2,556	39	816	728	2,063	61,282
1980	2,939	2,634	757	0	10,540	17,083	0	0	147,311	13,612	4,689	12,651	212,216
1981	8,433	5,728	19,411	8,525	14,954	10,036	1,229	1,064	2,442	82,180	6,693	5,690	166,385
1982	5,101	4,328	5,905	2,778	14,079	94,690	16,325	2,567	4,374	2,577	2,648	4,563	159,935
1983	4,571	3,739	2,933	2,506	632	1,102	0	0	0	564	2,848	1,704	20,599
1984	2,329	1,391	1,920	244	0	0	0	0	0	10,569	1,704	2,582	20,739
1985	8,371	1,537	2,904	3,833	5,247	1,692	2,568	893	0	20,687	1,861	1,498	51,091
1986	994	1,658	307	0	2,432	41,485	2,643	29,303	39,594	51,228	14,928	15,316	199,888
1987	12,567	21,202	41,489	11,498	74,647	56,836	18,591	10,748	18,952	6,821	5,840	8,293	287,484
1988	8,093	5,887	4,959	3,297	9,213	579	0	0	0	3,057	2,346	2,826	40,257
1989	2,872	4,979	3,033	1,983	13,813	21,921	1,889	709	2,968	635	1,770	1,828	58,400
1990	3,221	2,211	15,298	3,869	0	7,265	2,348	26,118	21,103	8,273	5,458	1,658	96,822
1991	9,305	5,229	2,572	2,669	5,939	32,205	1,062	2,367	12,014	17,438	9,353	108,081	208,234
1992	43,950	192,013	67,434	32,955	16,459	82,427	15,330	12,182	840	4,536	5,431	8,715	482,272
1993	13,826	9,161	15,089	7,095	5,039	9,650	0	0	1,889	6,424	2,002	3,439	73,614
1994	4,153	4,140	5,655	0	83,611	5,452	1,264	410	0	0	5,619	3,533	113,837
1995	34	2,506	3,454	11,396	15,385	19,533	4,574	22,415	5,391	464	3,366	944	89,462
1996	2,270	4,744	1,452	2,764	8,162	8,046	0	4,660	60,964	961	16,530	9,860	120,413
1997	2,270	4,744	1,452	2,764	8,162	8,046	0	4,660	60,964	961	16,530	9,860	120,413
1998	2,270	4,744	1,452	2,764	8,162	8,046	0	4,660	60,964	961	16,530	9,860	120,413
1999	2,270	4,744	1,452	2,764	8,162	8,046	0	4,660	60,964	961	16,530	9,860	120,413
Average	6,736	7,753	8,169	12,306	36,952	20,341	6,778	7,641	18,099	13,430	6,026	6,213	150,445

Table C-6
E.V. Spence Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0	0	0	0	1,920	32,085	2,691	7,360	2,974	245	478	0	47,753
1941	0	1,099	10,902	47,857	56,209	47,797	18,714	7,218	2,646	41,202	1,860	1,761	237,265
1942	0	0	0	227	3,329	0	0	30,398	13,426	5,802	130	1,121	54,433
1943	0	0	0	0	4,089	5,157	1,264	0	0	0	0	0	10,510
1944	0	649	732	0	15,669	3,707	26,154	1,718	2,776	1,722	10	0	53,137
1945	0	0	0	1,157	0	3,187	81,344	7,888	2,236	12,762	0	0	108,574
1946	0	0	0	0	3,609	0	0	928	12,566	15,982	0	3,331	36,416
1947	0	0	0	7,777	64,529	2,617	1,954	668	3,936	0	0	0	81,481
1948	0	1,969	2,222	0	819	207	64,624	3,418	4,336	942	0	0	78,537
1949	0	0	0	16,957	76,289	23,447	1,124	18	7,766	162	0	0	125,763
1950	0	0	0	10,807	30,269	4,377	5,094	5,018	9,136	0	0	0	64,701
1951	0	0	0	0	1,139	8,617	674	0	0	0	0	0	10,430
1952	0	0	0	0	0	0	0	0	1,026	0	0	0	1,026
1953	0	0	0	0	14,039	0	7,574	31,548	1,156	14,632	2,330	0	71,279
1954	0	0	0	41,107	84,599	3,667	2,564	0	0	0	0	0	131,937
1955	0	0	0	0	49,439	0	2,264	1,178	5,376	15,192	0	0	73,449
1956	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	3,559	2,702	55,307	208,639	72,027	2,014	4,168	9,716	16,522	4,490	0	379,144
1958	0	0	0	6,477	5,309	4,197	0	2,518	2,616	432	0	0	21,549
1959	0	0	0	0	99	12,097	13,304	0	0	23,452	840	311	50,103
1960	0	0	0	2,357	0	0	8,004	1,568	0	21,012	1,330	141	34,412
1961	0	0	0	0	35,329	16,447	46,444	1,258	1,816	52	3,910	0	105,256
1962	0	0	0	0	0	10,737	1,684	0	131,986	3,552	400	221	148,580
1963	0	0	0	1,437	11,479	3,627	0	298	0	332	640	0	17,813
1964	0	0	0	0	2,079	3,067	0	3,808	10,696	0	60	0	19,710
1965	0	0	0	4,257	58,429	23,257	0	1,828	12,196	11,692	1,460	0	113,119
1966	0	0	0	32,527	22,459	16,877	0	4,338	5,766	152	0	0	82,119
1967	0	0	0	0	0	32,367	5,544	1,898	4,036	342	0	0	44,187
1968	102	0	1,692	2,887	15,689	4,487	934	468	0	0	1,370	0	27,629
1969	0	0	0	767	27,707	4,691	418	1,879	1,695	0	0	0	37,157
1970	0	0	326	0	34	3,150	0	0	121	0	0	0	3,631
1971	0	0	0	0	17,386	19,097	6,289	56,196	15,817	0	916	0	115,701
1972	0	0	0	514	6,151	2,431	1,412	28,136	15,952	3,446	3,382	134	61,558

E.V. Spence Reservoir Runoff
Values in Acre-Feet

1973	1,151	639	15,893	5,962	0	3,309	2,806	851	2,955	0	0	0	33,566
1974	0	185	1,351	1,106	532	1,765	0	7,877	33,561	35,051	4,031	704	86,163

E.V. Spence Reservoir Runoff
Values in Acre-Feet

Table C-6, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1975	1,560	1,922	1,178	1,509	11,908	1,428	11,380	11,526	2,882	821	2,284	0	48,398
1976	322	1,605	234	3,320	7,890	0	4,104	0	9,160	5,028	359	0	32,022
1977	160	1,062	2,211	6,711	1,156	6,262	1,869	5,183	745	0	0	0	25,359
1978	0	0	865	2,114	2,285	4,187	822	537	1,465	0	0	307	12,582
1979	0	681	4,494	41	3,475	10,375	12,274	3,743	0	0	0	242	35,325
1980	0	24	0	0	19,942	6,267	666	1,432	114,117	34,575	835	4,368	182,226
1981	2,310	1,562	1,134	36,828	4,555	10,219	0	931	0	9,732	161	246	67,678
1982	281	304	342	1,678	25,345	66,514	1,779	0	0	0	0	0	96,243
1983	159	872	922	733	0	0	0	0	0	11,302	0	0	13,988
1984	0	1,621	0	172	0	0	992	458	519	5,315	2,364	2,664	14,105
1985	1,118	3,720	2,020	2,573	21,053	5,083	5,254	807	95	4,908	205	0	46,836
1986	716	1,148	1,159	1,084	11,582	33,599	1,001	17,930	34,814	81,547	4,590	3,371	192,541
1987	3,877	7,076	2,378	3,014	23,221	22,650	400	0	0	0	0	585	63,201
1988	1,570	1,858	1,680	2,048	5,642	3,338	19,802	3,285	10,772	1,091	461	759	52,306
1989	602	2,321	1,844	902	2,752	30,129	1,384	625	326	0	0	0	40,885
1990	0	515	4,879	6,443	1,002	619	0	4,077	14,978	4,596	602	0	37,711
1991	2,166	1,593	791	1,012	1,181	14,698	4,271	6,756	8,093	4,069	709	7,395	52,734
1992	5,406	18,271	5,513	7,477	24,432	31,367	466	1,329	4,274	0	0	854	99,389
1993	1,615	1,622	1,813	2,903	6,335	1,721	1,327	81	786	3,811	106	718	22,838
1994	1,244	1,140	915	508	36,309	283	746	823	4,831	91	351	5	47,246
1995	0	0	253	5,080	5,598	4,503	0	603	576	0	0	0	16,613
1996	0	78	263	2,838	1,886	3,913	463	8,065	10,090	830	2,426	1,693	32,545
Average	427	1,002	1,240	5,763	18,155	10,976	6,560	4,959	9,418	6,884	756	543	66,682

Table C-7
O.C. Fisher Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	155	407	2,245	11,346	10,372	13,057	2,650	1,278	551	2,357	680	797	10,550
1942	763	681	723	789	607	236	26	1,346	783	336	300	378	45,895
1943	441	378	517	387	917	145	828	12	10	6	39	294	6,968
1944	287	232	238	180	198	1,964	6	248	287	83	105	213	3,974
1945	242	211	243	1,304	116	35	50,041	236	66	360	277	287	4,041
1946	315	290	303	184	70	12	5	0	116	206	42	774	53,418
1947	115	188	252	200	19,126	206	247	21	6	0	0	464	2,317
1948	281	432	579	301	26	3,202	74,204	65	1,147	79	103	150	20,825
1949	235	207	216	21,043	12,731	3,215	199	70	22	33	96	231	80,569
1950	263	262	253	3,504	3,064	143	6	1,042	5,728	228	208	244	38,298
1951	261	244	247	235	2,485	34	6	518	3	0	0	20	14,945
1952	85	87	102	269	41	615	3	0	0	0	0	0	4,053
1953	0	0	0	4	11,899	6	981	15,832	9	2,040	28	54	1,202
1954	97	71	64	5,527	12,594	2,880	152	0	0	0	0	0	30,853
1955	0	0	149	21	2,153	6	2,040	258	391	170	0	0	21,385
1956	0	0	0	1,601	6,894	2	1,637	0	28	2,499	65	646	5,188
1957	6	1	364	20,574	25,654	11,383	5	0	9,662	90,872	169	110	13,372
1958	105	122	159	961	297	1,767	36	891	340	4	6	52	158,800
1959	70	94	79	70	37	2,046	4,293	7	1,800	13,971	170	136	4,740
1960	160	142	130	458	120	21	536	0	0	1,151	0	0	22,773
1961	0	2,395	60	8	15,571	1,175	11,084	78	580	89	73	87	2,718
1962	79	62	73	62	3	0	0	0	0	0	0	0	31,200
1963	0	0	0	0	1,921	1,059	0	157	0	3	270	0	279
1964	0	0	0	0	792	2	0	156	8,102	7	378	1	3,410
1965	0	0	0	0	5,581	2,195	0	140	93	2,199	7	0	9,438
1966	0	0	102	4,979	799	3	0	1,138	345	338	4	3	10,215
1967	3	1	1	0	0	0	0	569	0	0	0	0	7,711
1968	0	0	0	0	2,594	0	0	0	0	0	0	0	574
1969	0	0	0	0	1,006	0	0	595	599	0	0	0	2,594
1970	0	0	0	0	0	0	0	0	0	0	0	0	2,200
1971	0	0	0	0	1,166	530	0	973	4,370	53	1	0	0
1972	0	0	0	0	192	115	0	0	1,925	1	0	0	7,093
1973	0	0	3,449	335	28	0	62	0	0	0	0	0	2,233

O.C. Fisher Reservoir Runoff
Values in Acre-Feet

1974	0	0	0	0	0	0	0	124	47,801	4,285	740	447	3,874
1975	304	279	196	174	1,627	83	6	32	0	0	117	149	53,397

O.C. Fisher Reservoir Runoff
Values in Acre-Feet

Table C-7, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	160	122	115	114	154	7	58	0	1,069	127	156	154	2,967
1977	209	221	273	315	228	2,086	109	0	0	0	0	0	2,236
1978	59	144	136	356	3,175	421	0	5,505	1	3	156	140	3,441
1979	221	200	252	466	150	181	1	75	0	0	0	18	10,096
1980	115	152	155	105	118	24	0	4,540	21,079	419	409	374	1,564
1981	432	307	373	505	992	374	176	2	10	1,696	467	349	27,490
1982	357	271	331	318	1,328	876	341	35	0	6	134	250	5,683
1983	277	233	216	228	203	407	15	0	0	2,228	81	194	4,247
1984	193	185	184	147	49	0	0	0	0	34	21	203	4,082
1985	174	222	191	348	72	0	0	0	0	884	0	14	1,016
1986	131	204	160	89	2,030	10,399	3	10,142	2,060	23,225	832	856	1,905
1987	805	1,551	1,549	1,204	1,222	838	353	154	263	243	277	428	50,131
1988	561	512	523	548	555	232	414	20	2,531	111	145	332	8,887
1989	327	305	363	354	178	1,290	5	0	1	0	12	154	6,484
1990	167	195	333	285	236	23	198	10	147	140	216	265	2,989
1991	323	269	307	247	816	693	79	77	636	236	323	604	2,215
1992	743	2,084	1,126	2,320	2,889	2,529	676	525	405	352	418	573	4,610
1993	641	611	679	561	410	177	1	0	0	0	42	230	14,640
1994	346	302	322	251	2,067	111	1	0	0	0	0	82	3,352
1995	201	152	143	277	72	17	0	0	0	0	0	0	3,482
1996	35	78	90	171	10	0	0	6,809	1,978	126	417	299	862
Average	192	270	332	1,495	2,815	1,193	2,705	959	2,053	2,700	143	197	15,062

Table C-8
Lake Nasworthy Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	355	351	368	425	284	848	488	378	263	224	224	242	4450
1942	243	306	465	529	1329	712	482	349	572	1155	683	680	7505
1943	583	434	368	455	435	270	187	1425	1244	807	733	561	7502
1944	472	387	447	333	289	270	192	163	152	174	185	231	3295
1945	324	338	360	324	231	216	172	115	133	220	245	268	2946
1946	256	232	263	232	177	90	1892	209	150	389	267	215	4372
1947	170	157	176	147	124	805	191	102	1023	227	411	330	3863
1948	411	271	256	260	209	547	229	129	82	84	86	84	2648
1949	147	136	101	108	316	97	235	78	209	173	119	93	1812
1950	123	127	716	876	900	399	173	108	310	2169	457	320	6678
1951	283	245	225	134	135	116	103	119	112	109	81	79	1741
1952	82	87	118	122	140	66	72	679	45	73	58	63	1605
1953	60	44	64	113	96	71	20	20	23	72	92	112	787
1954	123	126	247	128	113	62	314	364	281	360	98	74	2290
1955	41	35	72	52	53	20	21	23	15	10	9	11	362
1956	8	6	7	20	258	482	1765	176	121	61	42	44	2990
1957	28	41	53	584	122	83	30	63	16	17	13	11	1061
1958	17	36	578	8636	20768	1019	568	271	204	1005	310	305	33717
1959	301	569	628	407	292	3400	540	343	1100	533	457	392	8962
1960	307	267	212	225	222	220	243	165	169	6951	380	368	9729
1961	662	693	652	440	392	296	444	327	252	448	276	303	5185
1962	297	269	344	305	315	2310	625	487	757	3249	466	473	9897
1963	366	309	413	411	350	260	290	241	268	264	215	225	3612
1964	217	223	277	224	283	234	182	149	146	125	125	143	2328
1965	134	122	149	160	137	111	74	115	2628	202	156	223	4211
1966	215	160	209	149	555	174	88	78	76	67	62	58	1891
1967	56	54	62	73	112	67	54	72	150	157	75	42	974
1968	38	25	28	33	361	27	21	31	494	63	121	205	1447
1969	252	281	121	238	116	71	54	42	40	40	95	140	1490
1970	107	79	92	185	156	88	63	97	155	124	162	214	1522
1971	255	172	229	255	174	160	111	127	128	118	107	114	1950
1972	87	62	83	251	1401	221	202	3009	804	695	656	533	8004
1973	479	365	396	407	381	303	286	301	359	397	417	342	4433

Lake Nasworthy Runoff
Values in Acre-Feet

1974	315	285	410	381	327	248	219	196	282	2812	684	563	6722
1975	486	383	423	342	401	306	201	1940	1752	4335	2630	2355	15554

Lake Nasworthy Runoff
Values in Acre-Feet

Table C-8, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	1867	1539	1547	1263	1342	989	881	812	755	788	861	807	13451
1977	722	593	618	623	603	488	645	579	1446	1212	1523	1330	10382
1978	1106	843	814	2662	1888	1128	997	810	668	745	724	708	13093
1979	706	557	606	568	495	700	365	746	322	294	356	388	6103
1980	510	494	532	459	312	330	330	302	256	250	237	275	4287
1981	290	280	280	186	1192	362	211	159	2552	856	710	793	7871
1982	748	537	646	689	737	542	395	294	303	402	565	553	6411
1983	485	422	364	320	306	260	271	201	201	198	250	329	3607
1984	310	264	176	98	151	297	193	140	82	96	114	155	2076
1985	136	122	133	102	76	48	56	71	58	117	94	238	1251
1986	270	182	199	177	167	147	166	127	109	552	408	306	2810
1987	193	156	132	124	850	1480	736	773	369	900	625	732	7070
1988	837	960	1137	998	1144	1415	1144	767	680	632	563	534	10811
1989	623	525	375	347	432	336	413	385	353	356	293	330	4768
1990	285	316	426	369	347	253	220	158	155	158	159	161	3007
1991	172	150	154	154	156	116	273	146	4557	811	722	684	8095
1992	611	543	578	530	488	713	550	440	429	574	509	571	6536
1993	780	1264	1646	1222	1032	891	821	700	620	614	710	706	11006
1994	673	547	541	480	491	456	325	316	325	336	355	389	5234
1995	353	275	283	269	307	262	195	204	711	270	331	381	3841
1996	318	260	261	270	265	222	240	220	500	246	235	248	3285
1997	228	231	169	240	352	189	76	5228	603	319	500	402	8537
Average	360	329	372	528	791	461	357	457	536	678	387	376	5,633

Table C-9
Lake Coleman Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	1,790	5,919	4,319	11,651	25,372	8,665	787	4,093	0	4,598	1,329	2,024	70,547
1942	368	0	1,173	15,121	13,214	7,610	0	31	9,816	14,526	0	0	61,859
1943	444	710	517	848	773	937	1,018	1,271	262	669	404	0	7,853
1944	1	236	361	786	948	1,218	1,953	2,147	2,184	670	1,232	3,801	15,537
1945	441	107	0	2,078	2,410	7,161	9,509	0	0	0	0	1,979	23,685
1946	202	77	202	0	881	2,473	626	3,192	2,482	0	0	0	10,135
1947	0	542	545	1,136	0	227	524	271	74	0	70	5,154	8,543
1948	0	0	60	789	496	1,414	1,448	198	648	295	0	0	5,348
1949	0	985	1,312	2,508	7,932	897	172	776	0	2,704	270	40	17,596
1950	0	43	0	227	2,372	597	778	737	756	0	0	0	5,510
1951	38	138	126	109	8,119	20,652	14	125	233	0	0	0	29,554
1952	28	54	0	1,620	3,781	2,580	0	0	0	0	301	488	8,852
1953	152	27	956	2,172	7,126	1,417	3,115	1,282	486	3,835	0	0	20,568
1954	0	367	306	7,564	3,153	36	471	46	232	0	758	0	12,933
1955	3	386	208	1,793	6,863	8,760	3,159	271	5,568	990	0	54	28,055
1956	86	220	126	13,527	12,596	32	0	0	0	68	318	199	27,172
1957	0	75	201	16,784	43,625	9,017	265	0	428	9,843	1,288	359	81,885
1958	198	1,233	1,651	1,437	4,217	1,516	266	104	1,835	0	0	0	12,457
1959	0	0	154	318	1,171	3,376	18,957	0	110	2,143	402	387	27,018
1960	1,997	388	482	2,323	842	28	153	360	0	81	47	97	6,798
1961	190	99	67	7	67	7,908	880	3	7,135	294	911	467	18,028
1962	286	124	100	296	47	898	3,435	130	432	3,322	167	268	9,505
1963	122	76	56	55	4,448	1,112	0	0	0	0	74	10	5,953
1964	15	295	37	854	31	23	0	5,581	1,471	36	74	40	8,457
1965	33	39	35	5	21,653	908	9	0	336	120	0	0	23,136
1966	0	0	764	6,339	14,178	2,486	7	2,405	2,627	470	1,105	1,161	31,542
1967	1,226	738	387	42	1,058	1,520	1,019	0	383	42	63	126	6,604
1968	4,836	1,353	4,341	8,388	11,291	226	4,858	421	75	34	413	770	37,006
1969	465	313	616	1,978	38,817	7,001	37	654	9,616	2,417	2,157	5,109	69,180
1970	3,202	2,059	9,017	5,069	6,178	4,462	350	73	242	188	202	284	31,326
1971	281	235	127	781	2,718	12,863	250	12,980	17,243	9,890	2,599	3,480	63,447
1972	2,077	1,603	845	415	2,783	946	586	155	555	3,508	2,250	1,282	17,005
1973	1,992	1,857	2,169	6,087	697	9,517	2,214	610	1,441	1,865	779	703	29,931

Lake Coleman Runoff
Values in Acre-Feet

1974	650	494	725	179	384	4	0	3,659	28,247	21,806	15,086	3,724	74,958
1975	3,174	8,255	2,538	1,555	568	574	198	493	0	56	291	0	17,702

Lake Coleman Runoff
Values in Acre-Feet

Table C-9, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	55	347	501	505	129	672	107	942	778	1,491	14	0	5,541
1977	298	0	1,785	5,026	497	705	79	257	8	0	0	0	8,655
1978	0	0	55	282	475	121	157	56,062	214	0	0	0	57,366
1979	255	0	8,541	4,049	4,018	967	359	0	127	62	0	30	18,408
1980	143	0	51	526	512	232	163	206	1,061	65	0	228	3,187
1981	0	306	941	179	479	607	244	108	959	77,978	5,823	3,087	90,711
1982	0	209	771	353	345	8,926	1,720	0	83	0	200	115	12,722
1983	266	0	198	174	291	798	237	140	101	0	0	0	2,205
1984	5	202	100	172	95	385	106	346	0	1,014	119	0	2,544
1985	1,626	64	1,759	1,899	335	0	2,117	0	7	931	0	0	8,738
1986	120	132	114	30	581	10,987	392	443	2,469	6,580	3,486	7,759	33,093
1987	2,795	6,076	7,512	1,234	2,983	2,481	232	0	134	0	0	0	23,447
1988	0	0	108	161	0	885	0	112	245	1	0	18	1,530
1989	0	110	186	135	2,146	4,993	28	228	1,107	58	319	0	9,310
1990	103	278	410	4,444	7,335	2,456	328	0	8,217	2,655	515	0	26,741
1991	1,973	1,040	601	47	498	3,782	113	29	12,706	6,128	7,587	103,109	137,613
1992	10,352	52,509	17,712	3,589	0	2,695	320	372	1,343	33	0	0	88,925
1993	21	104	401	52	279	167	70	0	0	0	145	0	1,239
1994	36	160	64	0	21,792	183	0	314	163	384	1,375	288	24,759
1995	0	14	447	393	523	0	1,130	0	0	0	0	0	2,507
1996	12	0	76	364	1,029	137	0	16	26,363	345	862	1,571	30,775
Average	756	1,618	1,372	2,472	5,271	3,058	1,160	1,815	2,696	3,253	947	2,647	27,066

Table C-10
Twin Buttes Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	1,898	2,400	8,829	8,603	32,829	46,986	7,958	8,406	5,580	16,400	8,172	7,094	155,155
1942	6,239	4,414	4,032	4,731	3,556	1,832	718	32,183	9,992	6,073	5,499	5,109	84,378
1943	4,689	3,284	3,104	2,405	3,912	1,795	947	653	1,170	1,760	1,240	1,929	26,888
1944	2,527	2,537	2,361	1,060	1,929	3,723	654	373	13,937	1,939	1,179	1,539	33,758
1945	1,958	1,483	1,361	2,121	702	286	19,506	1,135	731	2,182	1,190	1,021	33,676
1946	1,175	965	771	939	562	2,449	578	1,281	25,387	5,502	1,789	6,653	48,051
1947	2,101	1,219	1,039	850	4,133	4,408	782	475	250	254	262	1,188	16,961
1948	447	1,534	458	855	6,424	1,673	27,817	245	10,666	1,739	434	346	52,638
1949	488	1,311	2,920	53,073	10,557	6,735	593	371	1,162	9,794	1,973	1,149	90,126
1950	1,731	1,082	742	446	500	2,311	428	3,141	9,330	477	265	264	20,717
1951	280	330	410	379	435	265	219	6,235	156	220	177	190	9,296
1952	180	132	196	343	3,900	248	61	61	69	219	280	340	6,029
1953	373	382	10,326	394	7,831	187	1,306	12,283	2,740	9,051	588	236	45,697
1954	141	121	230	19,784	11,936	9,954	475	69	47	31	28	32	42,848
1955	23	936	22	60	2,969	2,046	18,995	11,586	1,145	1,532	128	133	39,575
1956	84	124	159	8,312	4,654	326	2,755	191	788	11,511	49	32	28,985
1957	52	108	1,796	69,549	172,650	15,268	2,916	826	618	37,454	1,770	1,403	304,410
1958	1,540	2,484	2,680	2,145	2,016	22,471	1,844	2,335	7,088	2,918	2,299	1,876	51,696
1959	1,232	1,013	742	889	1,502	4,545	7,863	580	17,786	106,383	3,474	2,866	148,875
1960	4,119	3,837	3,439	2,120	1,896	1,146	1,414	1,050	765	2,044	1,174	1,870	24,874
1961	2,324	2,404	1,682	1,156	1,450	17,438	3,438	1,964	6,299	11,268	2,681	2,552	54,656
1962	2,026	1,564	2,047	1,907	1,306	913	1,063	869	1,058	1,018	930	1,086	15,787
1963	977	1,009	1,133	976	1,490	989	601	515	642	457	489	610	9,888
1964	602	536	608	577	471	370	225	1,138	18,330	664	1,404	778	25,703
1965	726	727	865	552	10,405	741	331	242	230	216	246	235	15,516
1966	228	214	261	5,731	7,348	234	173	2,454	5,630	3,672	313	202	26,460
1967	188	119	128	149	7,895	2,925	214	154	3,884	682	877	1,237	18,452
1968	1,356	1,445	1,039	1,503	715	387	425	175	188	203	402	680	8,518
1969	505	343	444	2,302	6,818	348	217	1,069	1,026	2,811	952	1,423	18,258
1970	1,795	1,365	1,893	1,966	1,326	774	394	411	407	404	448	533	11,716
1971	498	371	379	11,767	8,653	1,295	728	78,430	8,787	6,185	5,014	4,446	126,553
1972	3,756	3,006	2,860	2,132	2,410	2,532	1,170	1,631	3,393	2,632	3,147	2,840	31,509
1973	2,615	2,599	2,862	2,482	1,779	1,452	1,158	991	1,785	9,699	3,468	2,950	33,840

Twin Buttes Reservoir Runoff
Values in Acre-Feet

1974	2,744	2,141	2,111	1,448	2,004	2,576	1,394	14,131	80,704	51,989	21,199	16,623	199,064
1975	13,710	11,396	10,810	8,744	23,138	7,576	6,308	5,370	5,258	5,628	8,867	6,912	113,717

Twin Buttes Reservoir Runoff
Values in Acre-Feet

Table C-10, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	6,310	5,072	4,933	7,363	5,841	2,980	5,154	4,272	8,101	7,360	8,622	8,096	74,104
1977	7,380	5,838	5,530	18,712	22,845	7,327	5,997	4,842	4,177	4,776	4,864	5,082	97,370
1978	5,035	4,431	4,247	3,710	5,147	4,416	1,873	6,581	2,508	2,496	3,253	3,332	47,029
1979	3,788	3,488	5,751	3,438	2,487	2,966	1,940	1,793	1,243	1,668	1,871	2,302	32,735
1980	2,485	2,285	1,994	1,472	10,411	2,468	1,106	1,548	11,526	3,599	3,408	6,007	48,309
1981	4,308	3,138	3,911	4,426	5,364	3,843	2,389	1,926	2,313	11,911	4,252	4,140	51,921
1982	3,931	3,478	3,435	2,704	3,177	2,252	2,400	1,374	943	1,129	1,589	2,284	28,696
1983	2,374	1,980	1,443	960	725	4,065	1,269	609	363	4,688	1,631	1,313	21,420
1984	1,669	1,252	1,174	821	585	344	388	412	1,120	1,206	1,032	1,684	11,687
1985	2,059	1,551	1,480	1,252	2,220	814	1,640	919	1,899	6,243	2,423	1,785	24,285
1986	1,207	1,346	855	836	3,788	27,098	2,815	3,020	15,333	18,199	5,509	6,284	86,290
1987	7,439	14,291	13,874	10,301	11,543	10,568	6,155	3,977	4,881	3,156	3,606	4,085	93,876
1988	5,113	3,795	4,464	3,640	4,101	4,044	1,904	605	4,779	1,116	777	2,339	36,677
1989	2,540	3,590	4,375	3,445	879	838	0	1,032	937	156	728	384	18,904
1990	2,067	1,391	2,391	2,895	3,077	147	4,906	2,046	13,924	4,166	4,407	3,975	45,392
1991	5,045	4,160	4,587	3,669	1,783	3,212	2,183	1,358	4,171	3,634	3,558	6,722	44,082
1992	8,080	20,493	15,154	15,558	6,970	9,366	4,280	1,099	1,887	1,705	3,793	4,602	92,987
1993	4,786	4,162	4,646	3,290	4,331	1,990	348	0	11,874	1,074	1,649	2,624	40,774
1994	2,028	2,356	2,372	952	2,454	548	1,223	1,753	4,369	2,224	2,124	2,159	24,562
1995	1,419	2,394	2,374	2,405	1,306	912	1,047	789	3,601	1,823	1,742	1,839	21,651
1996	1,690	1,711	1,254	1,777	2,606	1,398	560	38,706	4,466	2,360	3,701	2,978	63,207
Average	2,609	2,699	2,946	5,644	8,103	4,657	2,951	4,852	6,276	7,138	2,624	2,721	53,218

Table C-11
Colorado City Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0	1,000	2,000	9,000	10,000	9,000	3,000	1,000	1,000	8,000	0	0	44,000
1942	0	0	0	0	1,000	0	0	6,000	3,000	1,000	0	0	11,000
1943	0	0	0	0	1,000	1,000	0	0	0	0	0	0	2,000
1944	0	0	0	0	2,000	1,000	4,000	0	1,000	0	0	0	8,000
1945	0	0	0	0	0	1,000	9,000	1,000	0	1,000	0	0	12,000
1946	0	0	0	0	1,000	1,000	0	0	3,000	2,000	0	0	7,000
1947	0	0	0	0	9,870	50	380	0	300	1,600	270	1,060	13,530
1948	0	1,830	10	20	110	240	22,400	510	240	160	0	0	25,520
1949	10	40	0	4,906	2,155	0	133	445	710	0	98	0	8,497
1950	0	20	25	644	11,524	1,791	433	934	5,281	0	0	0	20,652
1951	0	86	0	0	0	446	1,921	1,321	810	384	184	239	5,391
1952	351	227	168	219	534	70	140	298	5,539	563	132	188	8,429
1953	295	32	1	0	32	76	238	187	847	4,570	167	102	6,547
1954	106	34	14	4,042	11,013	1,502	0	0	0	0	0	0	16,711
1955	0	0	0	37	4,257	414	1,069	243	0	3,536	0	0	9,556
1956	0	0	116	778	2,653	340	599	158	5	152	0	102	4,903
1957	0	51	449	13,304	27,281	2,813	0	144	41	228	700	0	45,011
1958	0	0	0	0	496	0	0	0	0	0	0	0	496
1959	0	0	36	0	0	788	1,598	0	0	1,969	0	0	4,391
1960	0	0	93	55	231	1,156	2,316	622	643	1,063	136	0	6,315
1961	0	52	282	429	2,688	7,191	5,346	0	0	0	346	0	16,334
1962	0	8	135	54	0	986	612	0	11,307	48	0	0	13,150
1963	0	55	149	255	831	0	0	0	0	44	16	0	1,350
1964	0	0	106	0	974	12	509	2,207	391	1,115	129	410	5,853
1965	322	0	290	991	5,069	3,535	0	876	559	477	242	27	12,388
1966	0	136	1,109	10,094	5,856	1,504	122	0	272	0	174	67	19,334
1967	259	189	296	43	0	521	343	38	0	0	16	0	1,705
1968	0	94	392	270	32	242	0	75	0	99	413	237	1,854
1969	202	84	308	298	4,585	1,143	0	0	0	0	306	102	7,028
1970	183	75	0	0	0	752	0	0	0	76	97	463	1,646
1971	0	343	457	0	0	35	0	6,155	453	187	276	198	8,104
1972	298	513	481	597	1,277	376	421	1,080	1,928	2,209	1,761	141	11,082
1973	172	611	3,540	394	137	0	593	489	767	277	352	463	7,795

Colorado City Reservoir Runoff
Values in Acre-Feet

1974	356	1,010	1,284	1,133	800	0	0	1,015	1,976	11,432	0	0	19,006
1975	118	250	50	256	128	0	1,141	3,927	912	0	276	103	7,161

Colorado City Reservoir Runoff
Values in Acre-Feet

Table C-11, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	224	258	88	549	0	0	1,806	0	704	560	183	129	4,501
1977	158	307	24	579	220	1,386	1,142	482	212	1,469	180	255	6,414
1978	58	26	518	718	427	23	255	0	1,018	298	0	0	3,341
1979	0	72	2,440	742	202	3,206	2,479	494	808	542	20	0	11,005
1980	35	243	797	836	2,431	1,204	1,094	591	21,865	10,256	180	619	40,151
1981	271	240	65	6,638	1,120	0	0	0	0	0	44	106	8,484
1982	149	168	251	106	1,873	6,869	0	0	0	20	10	57	9,503
1983	215	150	66	0	0	0	0	0	0	0	0	0	431
1984	0	0	0	193	1,046	924	1,110	665	1,020	315	205	0	5,478
1985	480	323	576	936	1,514	1,991	182	240	542	1,416	0	0	8,200
1986	194	166	623	1,680	3,540	4,809	0	881	8,048	22,415	20	512	42,888
1987	372	768	234	454	4,687	2,471	533	15	0	0	0	18	9,552
1988	244	231	162	189	468	799	1,266	137	1,700	77	18	188	5,479
1989	221	849	235	7	82	2,507	0	0	0	0	47	159	4,107
1990	112	188	1,011	695	1,104	627	0	258	1,046	763	10	0	5,814
1991	374	249	69	0	291	1,205	441	0	1,473	406	131	2,616	7,255
1992	1,001	3,615	342	424	13,559	9,508	0	29	1,610	0	22	254	30,364
1993	161	131	43	155	172	1,499	1,233	1,079	882	776	30	162	6,323
1994	205	181	78	69	1,343	9	173	23	226	0	0	4	2,311
1995	0	0	77	174	1,432	0	0	0	0	0	0	0	1,683
1996	0	85	86	92	639	1,142	1,253	349	954	50	304	0	4,954
Average	128	268	350	1,126	2,566	1,414	1,237	607	1,484	1,456	134	160	10,928

Table C-12
Champion Creek Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0	0	1,000	4,000	5,000	4,000	2,000	1,000	0	4,000	0	0	21,000
1942	0	0	0	0	0	0	0	3,000	1,000	1,000	0	0	5,000
1943	0	0	0	0	0	1,000	0	0	0	0	0	0	1,000
1944	0	0	0	0	2,000	1,000	2,000	0	0	0	0	0	5,000
1945	0	0	0	0	0	1,000	7,000	1,000	0	1,000	0	0	10,000
1946	0	0	0	0	0	0	0	0	2,000	2,000	0	0	4,000
1947	0	0	0	0	1,000	0	0	0	0	7,090	50	130	8,270
1948	90	890	390	110	5,060	2,400	2,800	100	50	790	30	40	12,750
1949	120	180	60	2,060	4,840	70	20	10	470	30	30	60	7,950
1950	80	60	40	420	1,800	30	860	480	920	20	30	80	4,820
1951	70	80	70	50	7,210	2,850	1,270	20	20	10	10	30	11,690
1952	60	70	50	20	630	0	30	0	380	10	110	30	1,390
1953	30	30	40	20	240	0	960	360	430	1,730	10	10	3,860
1954	20	20	10	200	8,310	20	0	10	10	20	0	10	8,630
1955	10	110	10	10	6,150	1,230	2,220	40	20	460	10	10	10,280
1956	10	10	10	940	3,760	1,240	10	0	0	80	10	70	6,140
1957	10	10	90	13,900	13,080	7,780	20	90	3,060	480	90	20	38,630
1958	30	30	30	40	240	10	10	820	290	110	10	10	1,630
1959	20	10	830	50	50	570	520	0	30	1,530	0	4	3,614
1960	5	4	12	0	0	724	0	825	0	28	0	0	1,598
1961	20	9	5	0	470	605	2,196	0	0	0	43	0	3,348
1962	0	23	143	53	0	978	292	107	7,460	445	0	0	9,501
1963	0	29	87	970	1,129	0	0	0	0	302	0	0	2,517
1964	0	0	0	0	0	0	0	0	0	0	0	34	34
1965	26	0	19	264	4,736	926	8	1,767	597	964	106	0	9,413
1966	0	25	185	4,117	355	7,469	8	214	364	0	35	0	12,772
1967	154	0	308	9	0	642	0	0	0	0	0	0	1,113
1968	33	50	142	91	0	272	43	48	0	0	84	63	826
1969	9	66	53	113	3,181	1,166	0	171	0	0	13	55	4,827
1970	52	40	7	0	0	71	63	0	721	0	61	0	1,015
1971	21	38	50	78	4,753	1,895	1,769	4,959	708	378	0	73	14,722
1972	58	153	22	166	183	238	57	0	815	169	84	96	2,041
1973	136	134	2,822	381	127	0	63	0	627	24	57	72	4,443

Champion Creek Reservoir Runoff
Values in Acre-Feet

1974	90	77	0	0	0	0	0	145	3,151	1,698	89	119	5,369
1975	127	143	105	142	469	0	2,814	848	88	93	261	126	5,216

Champion Creek Reservoir Runoff
Values in Acre-Feet

Table C-12, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	97	181	142	1,907	128	28	0	0	1,744	351	138	171	4,887
1977	159	188	245	462	173	262	0	2,983	0	0	13	207	4,692
1978	96	292	192	0	2,494	204	564	100	287	102	16	210	4,557
1979	860	0	3,782	131	248	1,477	615	47	0	29	76	233	7,498
1980	141	322	177	91	216	1,187	0	0	17,362	180	147	394	20,217
1981	289	223	148	3,635	396	1,348	0	5	0	2,279	138	220	8,681
1982	231	203	291	105	4,594	21,396	294	0	0	0	0	18	27,132
1983	502	292	315	224	415	48	83	37	0	974	0	0	2,890
1984	0	0	0	0	0	0	0	0	0	0	138	156	294
1985	354	2,369	498	1,890	340	292	3,428	0	165	167	133	36	9,672
1986	342	377	347	0	0	3,166	46	238	5,644	11,732	294	497	22,683
1987	560	1,310	1,353	1,008	2,602	1,890	985	27	0	598	419	94	10,846
1988	262	288	675	766	489	965	538	893	209	686	630	276	6,677
1989	261	-18	542	761	707	1,207	406	0	0	0	0	0	3,866
1990	0	0	181	99	0	0	0	0	456	244	100	152	1,232
1991	195	313	506	623	712	6,017	2,024	1,209	0	0	0	0	11,599
1992	201	650	1,857	0	0	1,216	670	482	583	558	380	284	6,881
1993	228	198	400	555	559	105	0	0	0	0	0	0	2,045
1994	0	606	0	588	3,055	0	0	0	0	0	0	149	4,398
1995	0	0	0	12,107	1,076	224	1,385	1,185	0	1,162	0	0	17,139
1996	0	0	0	0	733	0	731	0	0	41	0	0	1,505
Average	108	180	326	949	1,673	1,415	693	415	887	778	69	76	7,568

Table C-13
Mountain Creek Lake Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	31	13	22	983	109	115	195	373	93	76	151	90	2,251
1942	100	128	0	0	97	397	125	0	881	367	124	0	2,219
1943	0	135	156	62	153	521	0	0	0	56	0	0	1,083
1944	0	0	38	0	316	310	2,070	82	0	25	12	0	2,853
1945	0	17	156	444	92	99	2,211	27	64	6	0	44	3,160
1946	0	50	116	202	0	0	0	0	711	105	84	48	1,316
1947	8	0	0	0	1,777	47	52	30	0	472	40	0	2,426
1948	22	33	226	10	0	0	235	366	0	88	0	0	980
1949	0	0	0	869	416	146	40	13	432	328	0	0	2,244
1950	0	0	0	166	61	27	38	0	489	14	0	0	795
1951	0	0	0	0	1,883	655	378	18	0	0	0	0	2,934
1952	0	0	0	172	0	19	35	24	76	0	0	0	326
1953	16	0	4	17	1,094	0	64	860	0	174	0	0	2,229
1954	0	6	13	707	545	72	0	0	10	30	132	14	1,529
1955	0	140	60	111	854	64	152	77	47	147	0	0	1,652
1956	0	8	20	548	342	0	18	0	14	379	0	90	1,419
1957	1	113	109	462	1,857	589	319	0	57	1,945	72	5	5,529
1958	9	36	0	0	55	0	0	0	0	0	0	0	100
1959	0	0	0	0	61	239	198	6	0	44	0	21	569
1960	7	23	29	23	0	414	0	3	0	18	0	0	517
1961	0	12	0	0	0	13	30	0	77	48	14	0	194
1962	0	14	15	20	0	0	183	43	300	85	14	0	674
1963	12	45	77	54	306	33	61	157	16	6	10	0	777
1964	9	2	20	202	37	191	0	515	317	21	24	16	1,354
1965	10	6	19	134	1,329	463	46	57	360	55	21	11	2,511
1966	0	3	40	746	199	753	21	0	0	5	21	6	1,794
1967	36	24	51	30	0	595	143	0	48	0	26	5	958
1968	53	38	271	276	459	73	350	254	0	0	0	24	1,798
1969	23	19	52	88	1,070	484	5	25	92	0	14	67	1,939
1970	108	45	128	95	68	16	0	44	0	0	3	19	526
1971	25	16	70	74	15	273	25	388	656	273	72	65	1,952
1972	50	70	66	94	284	70	38	206	62	109	136	56	1,241
1973	46	97	269	350	206	100	51	0	21	0	13	1	1,154

Mountain Creek Lake Runoff
Values in Acre-Feet

1974	50	61	85	108	10	0	0	283	1,053	1,585	608	150	3,993
1975	128	333	102	63	33	18	81	117	0	46	93	32	1,046

Mountain Creek Lake Runoff
Values in Acre-Feet

Table C-13, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1976	13	70	21	89	0	23	11	0	0	0	56	41	324
1977	35	20	116	276	92	178	0	0	0	0	0	0	717
1978	0	0	0	0	0	0	17	236	0	0	5	7	265
1979	0	0	305	72	206	45	129	161	0	0	0	0	918
1980	16	0	16	22	0	178	13	36	1,783	190	79	150	2,483
1981	81	39	188	392	129	0	0	0	6	972	49	36	1,892
1982	77	42	51	110	20	1,679	82	7	0	45	2	38	2,153
1983	71	82	34	17	0	17	0	0	0	110	0	0	331
1984	2	32	46	45	9	0	0	0	0	110	0	10	254
1985	317	90	48	90	14	0	24	0	0	316	31	0	930
1986	0	54	11	49	190	1,605	146	942	90	409	143	155	3,794
1987	99	244	437	151	854	358	34	0	40	5	32	119	2,373
1988	57	98	46	49	24	72	68	0	76	26	43	28	587
1989	0	4	105	11	47	300	0	0	0	0	4	0	471
1990	0	0	46	357	383	96	0	18	385	63	26	0	1,374
1991	98	140	102	46	107	436	6	36	72	66	44	267	1,420
1992	215	1,024	521	241	91	162	49	31	0	0	67	15	2,416
1993	9	53	68	190	158	0	72	0	0	2	0	0	552
1994	21	37	7	41	676	83	12	0	54	0	45	0	976
1995	23	0	40	195	0	164	20	1,134	110	22	0	17	1,725
1996	51	91	33	69	39	164	66	6	677	171	222	192	1,781
Average	34	64	80	172	299	221	141	117	164	161	45	33	1,532

Table C-14
Brady Creek Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0	0	0	1,623	4,263	6,747	659	351	2	17	23	89	13,774
1941	34	175	1,335	11,579	3,624	4,974	345	22	804	6,033	296	358	29,579
1942	293	205	212	1,596	158	27	0	713	376	1,489	12	17	5,098
1943	14	9	31	121	142	1,319	11	0	135	48	6	21	1,857
1944	143	91	70	9	3,827	94	0	4	3,894	2,879	45	91	11,147
1945	137	347	433	1,156	21	602	206	1	0	2	0	4	2,909
1946	20	7	0	543	1,956	1,171	17	2	36	1	2	3	3,758
1947	12	4	12	4	1,747	25	677	1	0	0	0	618	3,100
1948	4	3	6	3	2,283	33	66	61	51	88	6	14	2,618
1949	38	229	808	14,268	1,341	579	4	8	0	5	0	1	17,281
1950	4	3	0	609	244	52	44	0	463	0	1	5	1,425
1951	5	8	7	336	4,603	161	0	0	0	0	0	0	5,120
1952	0	0	2	46	7,197	937	0	0	49,866	3	272	242	58,565
1953	35	13	18	2	5	0	134	1,430	4	167	0	0	1,808
1954	0	0	0	379	2,284	0	0	0	0	121	94	0	2,878
1955	0	453	0	8	54,557	6,757	6,987	719	618	2	0	1	70,102
1956	0	404	0	2	7,494	4	0	1,097	7	0	0	0	9,008
1957	1	9	1,702	25,500	46,666	2,580	19	0	4,972	16,192	699	399	98,739
1958	629	722	1,516	201	486	61	4	24	12	7	19	26	3,707
1959	13	23	19	20	24	2,629	773	0	2,244	8,223	175	305	14,448
1960	964	322	227	69	35	0	3	1	0	4,258	24	394	6,297
1961	389	450	82	18	24	1,853	560	17	8	7,471	21	56	10,949
1962	40	26	11	10	2	1	0	0	0	1	2	1	94
1963	0	0	453	1,049	174	169	49	0	0	0	0	45	1,939
1964	0	45	397	0	0	0	0	0	4,498	155	31	0	5,126
1965	0	15	0	0	1,686	0	0	0	0	0	0	0	1,701
1966	0	0	18	1,389	164	0	0	172	0	0	0	0	1,743
1967	0	0	0	0	1,125	0	0	430	1,572	0	70	0	3,197
1968	2,983	34	3,576	751	2,209	0	0	0	0	0	0	0	9,553
1969	0	0	0	0	1,095	1,482	0	0	668	0	93	280	3,618
1970	142	169	363	254	1,039	0	0	0	0	0	0	0	1,967
1971	0	0	27	167	2,181	362	33,534	12,714	21,717	5,027	1,183	962	77,874
1972	434	438	297	44	398	0	0	0	0	0	0	15	1,626

Brady Creek Reservoir Runoff
Values in Acre-Feet

1973	101	249	151	131	0	1,198	0	0	0	13,231	3	177	15,241
1974	301	187	360	687	39	0	0	801	7,721	3,111	2,682	1,727	17,616

Brady Creek Reservoir Runoff
Values in Acre-Feet

Table C-14, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1975	1,692	2,103	1,078	4,886	5,048	763	245	0	0	0	205	0	16,020
1976	142	225	17	7	0	0	1,038	0	484	665	220	284	3,082
1977	245	0	253	1,602	114	643	0	0	0	0	0	0	2,857
1978	200	302	174	0	0	0	0	611	2,144	0	0	0	3,431
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	629	0	0	4,659	0	129	335	5,752
1981	235	113	53	0	0	0	0	0	0	329	0	0	730
1982	0	144	511	627	812	0	0	0	0	0	0	0	2,094
1983	103	40	23	0	0	1,800	0	0	0	0	0	0	1,966
1984	58	95	65	32	14	0	0	366	0	47	42	487	1,206
1985	173	60	129	130	50	12	0	0	0	0	537	427	1,518
1986	488	372	315	199	727	532	188	187	247	934	646	545	5,380
1987	568	545	644	414	482	2,049	604	406	557	598	611	707	8,185
1988	700	640	506	473	430	368	724	346	338	408	427	516	5,876
1989	447	576	554	419	552	316	116	219	275	272	329	371	4,446
1990	394	306	448	603	568	241	19,507	8,645	24,394	1,758	1,304	1,142	59,310
1991	1,280	910	738	679	769	2,863	753	678	672	628	679	1,214	11,863
1992	978	3,470	1,816	1,807	1,450	3,343	1,187	1,061	945	911	1,095	1,161	19,224
1993	1,215	1,063	1,009	765	995	943	703	687	965	1,417	226	246	8,345
Average	290	289	379	1,393	3,057	895	1,281	588	2,506	1,417	226	246	12,532

Table C-15
Lake Winters Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0	193	0	716	1,352	780	6	945	137	0	146	0	4,275
1941	0	255	188	2,401	4,337	4,132	62	214	55	2,497	237	113	14,491
1942	71	40	9	1,844	1,829	115	113	78	138	1,856	50	67	6,210
1943	19	5	96	8	106	0	86	0	0	0	0	0	320
1944	0	186	24	0	594	5	126	517	142	979	0	3	2,576
1945	2	3	13	570	90	584	1,583	0	0	1	0	0	2,846
1946	0	0	0	0	3,978	229	10	9	739	0	169	9	5,143
1947	2	0	2	0	467	412	0	0	0	1,490	14	577	2,964
1948	69	3	0	158	57	160	211	38	1	181	0	0	878
1949	0	0	0	172	1,363	227	80	0	6	144	1	9	2,002
1950	0	0	0	0	54	0	2	4	814	0	0	0	874
1951	0	0	0	0	2,444	1,263	0	374	2	0	0	0	4,083
1952	0	0	0	182	350	301	0	0	1,473	0	5	0	2,311
1953	0	0	9	0	1,256	0	306	1,139	30	537	6	0	3,283
1954	0	0	0	4,516	4,313	146	0	0	0	0	0	0	8,975
1955	0	0	0	0	3,906	410	103	135	1,474	655	0	0	6,683
1956	0	0	0	396	6,766	0	0	0	0	86	74	0	7,322
1957	0	0	0	947	6,496	2,061	15	0	88	6,804	293	71	16,775
1958	55	122	132	68	425	178	3	53	83	12	14	8	1,153
1959	18	34	2	6	29	1,092	674	28	0	530	99	96	2,608
1960	494	96	119	574	208	7	38	89	0	20	12	24	1,681
1961	47	24	17	2	17	1,679	217	1	1,515	73	225	116	3,933
1962	71	31	25	73	11	222	849	32	107	821	41	66	2,349
1963	30	19	14	14	1,099	275	0	0	0	0	18	2	1,471
1964	4	73	9	211	8	6	0	1,380	364	9	18	10	2,092
1965	8	10	5	4	4,355	665	18	0	216	64	162	59	5,566
1966	283	168	126	894	2,000	408	1	395	432	77	182	191	5,157
1967	201	121	64	7	174	250	167	0	63	7	10	21	1,085
1968	794	222	612	1,183	1,593	37	798	69	12	6	68	127	5,521
1969	76	51	101	325	5,476	988	6	107	1,357	397	354	721	9,959
1970	526	338	1,272	715	872	733	58	12	40	31	33	47	4,677
1971	46	39	21	128	446	1,815	41	1,831	2,433	1,395	427	572	9,194
1972	341	263	139	68	457	155	96	25	91	576	370	211	2,792

Lake Winters Runoff
Values in Acre-Feet

1973	327	305	356	859	114	1,343	364	100	237	306	128	115	4,554
1974	107	81	119	29	63	1	0	601	3,985	3,076	2,128	612	10,802

Lake Winters Runoff
Values in Acre-Feet

Table C-15, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1975	521	1,165	417	255	398	354	74	14	6	27	109	75	3,415
1976	57	49	47	426	162	88	106	5	1,389	972	460	138	3,899
1977	151	120	249	888	255	148	108	1	0	16	6	11	1,953
1978	20	49	17	22	140	1	0	6,422	31	6	11	13	6,732
1979	21	28	1,507	235	516	380	493	43	0	0	0	3	3,226
1980	12	15	20	5	121	258	1	0	1,336	92	49	94	2,003
1981	69	60	450	93	265	157	46	0	10	7,142	211	161	8,664
1982	164	131	124	38	119	6,840	335	133	109	23	45	73	8,134
1983	97	94	75	183	16	39	21	0	0	0	0	6	531
1984	20	8	11	2	0	10	0	0	55	191	5	89	391
1985	89	63	130	261	228	47	189	29	0	378	8	5	1,427
1986	4	16	4	2	174	3,406	31	200	366	1,666	584	632	7,085
1987	405	853	1,527	528	2,986	1,251	263	91	195	34	61	182	8,376
1988	157	119	85	38	18	206	19	0	0	0	0	10	652
1989	16	67	44	62	89	3,115	1	0	254	0	0	7	3,655
1990	11	10	35	149	1,020	132	12	237	1,418	603	216	136	3,979
1991	275	187	96	30	164	1,083	88	54	571	860	328	4,997	8,733
1992	1,424	7,395	2,328	642	320	565	201	182	81	12	64	65	13,279
1993	92	98	144	67	44	139	1	0	0	0	0	5	590
1994	14	33	13	2	5,681	369	12	0	52	53	436	194	6,859
1995	135	91	141	386	232	845	33	910	106	47	88	85	3,099
1996	82	59	43	121	486	201	0	356	6,384	335	435	406	8,908
Average	130	235	193	377	1,238	707	142	296	498	616	147	197	4,775

Table C-16
Hords Creek Reservoir Runoff
Values in Acre-Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0	1	0	82	45	810	39	1698	99	0	0	0	2774
1941	23	10	17	745	82	87	148	282	70	57	115	68	1706
1942	76	97	0	0	74	301	95	0	668	278	94	0	1683
1943	0	102	118	47	116	395	0	0	0	43	0	0	821
1944	0	0	29	0	240	235	1569	62	0	19	9	0	2163
1945	0	13	118	336	70	75	1676	20	48	5	0	34	2395
1946	0	38	88	153	0	0	0	0	539	80	64	36	997
1947	6	0	0	0	1347	35	40	23	0	357	31	0	1839
1948	17	25	172	319	0	20	1347	0	0	161	0	0	2060
1949	58	30	62	790	1815	159	0	472	12	246	0	42	3686
1950	6	4	4	30	93	18	67	214	169	0	0	0	605
1951	0	0	6	6	3742	1401	8	81	8	190	10	0	5452
1952	22	12	46	325	208	6	0	0	663	0	77	40	1399
1953	0	0	276	28	167	1377	1550	256	18	171	26	24	3893
1954	48	56	50	1996	1115	308	0	18	10	48	107	24	3780
1955	40	60	54	93	1258	782	569	99	486	16	12	0	3469
1956	56	62	32	5835	2339	14	73	50	0	175	109	46	8791
1957	12	52	71	2218	3601	1544	87	0	44	121	151	48	7949
1958	77	139	147	159	232	415	619	71	371	58	65	0	2353
1959	0	28	42	159	389	264	1133	12	48	558	274	216	3123
1960	681	83	95	119	50	24	173	206	26	155	0	52	1664
1961	359	139	115	50	113	1601	373	10	222	163	69	20	3234
1962	8	30	46	181	63	248	119	10	218	236	28	22	1209
1963	0	44	48	50	1397	510	0	89	119	6	85	0	2348
1964	81	71	175	901	58	56	30	44	1159	14	163	16	2768
1965	65	117	54	30	7813	385	0	34	232	115	44	52	8941
1966	16	36	113	415	276	893	0	62	893	30	4	0	2738
1967	0	18	165	58	63	236	60	16	371	10	91	60	1148
1968	2242	361	641	940	2756	675	48	58	85	0	123	30	7959
1969	16	62	204	359	2625	1250	4	73	393	282	46	464	5778
1970	325	292	1180	514	3827	768	12	52	256	32	0	12	7270
1971	28	54	65	97	556	67	101	1131	1732	2565	260	254	6910
1972	52	123	48	145	341	252	44	30	30	224	10	10	1309

Hords Creek Reservoir Runoff
Values in Acre-Feet

1973	87	111	171	1313	188	571	175	8	403	1190	36	0	4253
1974	22	46	121	87	38	2	34	288	2452	2996	1298	540	7924

Hords Creek Reservoir Runoff
Values in Acre-Feet

Table C-16, continued

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1975	470	742	282	431	899	12	44	18	38	61	103	28	3128
1976	16	36	30	107	22	10	650	63	67	110	30	14	1155
1977	40	34	170	821	131	38	21	26	18	91	6	2	1398
1978	14	39	29	22	67	56	12	1195	20	6	10	0	1470
1979	14	51	341	431	299	132	173	30	18	6	4	66	1565
1980	20	37	33	19	797	133	0	20	925	6	61	167	2218
1981	63	48	803	115	61	28	8	4	51	208	0	0	1389
1982	120	96	90	28	87	2415	30	0	0	0	46	28	2940
1983	65	12	468	28	28	99	20	36	87	30	0	2	875
1984	14	12	38	16	26	75	44	111	135	226	58	379	1134
1985	50	40	97	18	24	69	46	18	373	534	10	0	1279
1986	12	36	26	6	228	1254	73	91	14	512	34	133	2419
1987	113	313	597	131	2617	954	52	236	97	0	0	62	5172
1988	0	24	40	36	67	186	42	14	52	16	0	34	511
1989	10	97	54	14	290	54	0	0	310	0	8	0	837
1990	48	91	147	516	1226	0	113	97	97	73	56	0	2464
1991	103	28	28	8	42	260	34	91	692	581	462	6581	8910
1992	1881	5244	8668	710	101	960	272	2	34	22	0	0	17894
1993	2	91	107	44	87	192	0	28	62	79	0	12	704
1994	38	79	20	0	4137	28	34	99	30	119	111	32	4727
1995	14	16	62	264	236	1623	125	89	87	69	79	0	2664
1996	0	0	0	87	1069	0	123	135	1454	30	186	22	3106
Average	132	166	293	394	871	427	212	138	290	235	82	170	3410

Year	Jan	Feb	Mar
1941	8,700	31,200	22,000
1942	1,600	0	5,000
1943	1,900	3,000	2,200
1944	0	1,000	1,600
1945	1,800	500	0
1946	900	300	900
1947	0	2,300	2,300

1948	0	0	300
1949	0	4,200	5,500
1950	0	200	1,000
1951	200	600	600
1952	100	200	0
1953	700	100	4,100
1954	0	1,600	1,300
1955	0	1,700	900
1956	400	1,000	600
1957	0	300	900

1958	840	5,340	7,350
1959	80	170	290
1960	19,590	2,350	1,680
1961	20,200	9,420	0
1962	20	890	0
1963	0	220	310
1964	1,980	6,080	1,230
1965	1,540	3,310	230
1966	10	40	980
1967	710	710	2,350

1968	132,060	7,220	38,810
1969	690	490	5,160
1970	8,970	6,990	38,910
1971	0	450	0
1972	2,190	1,270	1,380
1973	0	300	1,400
1974	0	70	0
1975	8,050	31,920	2,830

Table C-17, continued

Year	Jan	Feb	Mar
1976	0	1,430	210
1977	180	330	11,320
1978	0	200	1,560
1979	1,700	2,270	16,830
1980	810	20	620
1981	1,090	1,290	12,030
1982	710	1,550	3,720

1983	0	160	4,720
1984	420	1,220	4,610
1985	16,970	0	8,040
1986	780	0	410
1987	25,100	8,650	43,260
1988	90	180	1,010
1989	0	5,900	1,260
1990	2,070	3,890	2,680
1991	7,990	2,110	1,970
1992	91,900	250,880	153,140

1993	770	2,550	7,270
1994	540	920	1,550
1995	1,080	140	0
1996	0	0	0
Average	6,526	7,306	7,649

Table C-17

Lake Brownwood Runoff

Values in Acre-Feet

Apr	May	Jun	Jul
61,500	135,400	45,000	3,400
78,100	69,400	38,800	0
3,600	3,300	4,000	4,400
3,400	4,100	5,100	8,300
8,800	10,300	30,500	40,400
0	3,800	10,500	2,600
4,900	0	1,000	2,200

Lake Brownwood Runoff

Values in Acre-Feet

3,400	2,100	6,000	6,100
10,700	33,800	3,800	800
10,400	2,300	3,300	3,100
500	34,500	87,700	100
6,900	16,100	11,000	0
9,200	30,300	6,000	13,200
32,100	13,400	200	2,000
7,700	29,200	37,200	13,400
57,500	57,900	100	0
71,300	233,200	46,500	1,200

Lake Brownwood Runoff

Values in Acre-Feet

6,660	21,350	6,550	1,170
1,750	2,610	14,910	89,400
1,590	0	0	0
970	3,050	73,390	0
3,580	1,560	22,550	18,970
570	48,900	7,310	0
55,810	0	950	0
980	132,460	0	760
10,320	31,420	8,230	1,250
3,850	5,360	5,450	2,720

Lake Brownwood Runoff

Values in Acre-Feet

23,630	71,080	13,460	0
9,390	65,510	13,470	0
5,690	29,510	20,020	0
540	590	1,540	530
3,070	2,640	0	1,600
13,920	1,170	4,670	2,810
0	3,090	2,350	60
7,410	15,600	2,030	3,200

Lake Brownwood Runoff

Values in Acre-Feet

Apr	May	Jun	Jul
1,990	2,310	0	2,620
16,150	2,870	0	0
590	1,220	760	2,590
3,450	4,180	17,300	2,690
1,030	11,990	4,310	620
2,140	3,190	8,410	1,880
1,640	15,800	49,030	3,420

Lake Brownwood Runoff

Values in Acre-Feet

1,140	680	17,160	470
1,410	1,320	14,220	1,710
1,500	1,390	3,900	2,630
1,950	20,210	181,200	4,540
2,540	15,940	78,200	18,050
630	1,590	49,810	2,410
1,590	11,840	19,300	0
18,330	91,580	36,790	2,130
1,960	26,870	29,090	4,870
6,820	0	10,540	31,740

Lake Brownwood Runoff

Values in Acre-Feet

3,440	1,650	1,000	0
280	134,280	40,860	0
23,030	5,810	2,070	0
650	0	14,450	0
10,928	26,245	19,857	5,465

Aug	Sep	Oct	Nov
17,500	0	22,000	5,600
100	45,300	77,200	0
5,400	1,200	2,800	1,800
9,100	9,300	2,800	5,200
0	0	0	0
13,600	10,600	0	0
1,200	300	0	300

900	2,700	1,300	0
3,300	0	11,500	1,200
3,100	0	0	0
600	1,000	0	0
0	0	0	1,300
5,400	2,000	16,300	0
200	1,000	0	3,200
1,200	23,700	4,200	0
0	0	300	1,400
0	1,800	43,200	6,100

430	7,980	0	0
0	3,830	32,470	2,670
0	1,920	6,750	830
0	400	7,030	1,800
0	14,280	8,860	730
830	960	1,460	1,690
0	26,300	1,890	26,330
1,670	3,870	2,640	6,470
5,640	29,330	0	1,110
1,420	16,080	580	630

650	1,290	460	1,750
2,960	15,760	7,400	2,980
1,580	1,760	390	0
57,160	45,020	59,020	3,610
0	0	0	0
0	590	19,760	1,340
5,270	68,100	91,480	41,990
590	210	310	220

Aug	Sep	Oct	Nov
340	0	3,010	180
0	0	0	860
64,100	3,240	760	780
7,530	1,630	1,340	0
30	8,010	1,080	990
0	1,400	56,800	1,930
0	0	0	1,610

0	0	680	0
2,180	3,800	15,270	410
2,490	2,020	1,340	0
0	29,890	55,330	4,680
3,290	6,390	100	0
0	0	0	600
520	0	0	560
4,810	6,640	12,990	2,960
6,900	66,250	7,620	23,860
350	600	770	0

0	0	19,580	0
700	2,330	4,490	8,170
2,790	1,240	400	0
1,620	22,050	1,620	980
4,240	8,787	10,809	3,015

Dec	Total
9,800	362,100
0	315,500
0	33,600
16,200	66,100
8,400	100,700
0	43,200
21,900	36,400

0	22,800
200	75,000
0	23,400
0	125,800
2,000	37,600
0	87,300
0	55,000
200	119,400
900	120,100
1,600	406,100

0	57,670
2,260	150,440
0	34,710
310	116,570
350	71,790
0	62,250
70	120,640
20	153,950
0	88,330
0	39,860

250	290,660
20,170	143,980
120	113,940
4,840	173,300
0	12,150
0	45,960
7,040	219,450
0	72,370

Dec	Total
0	12,090
550	32,260
390	76,190
630	59,550
2,780	32,290
650	90,810
2,620	80,100

0	25,010
11,890	58,460
0	40,280
37,190	336,180
0	201,520
0	56,320
270	41,240
0	184,870
277,100	456,590
290	547,030

370	36,630
2,680	196,800
0	36,560
2,880	44,250
7,802	118,628

Table C-18
Lake Ballinger Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.14	0.12	0.47	0.40	0.50	0.30	0.88	0.58	0.76	0.58	0.11	0.22	5.08
1941	0.08	0.09	0.14	0.25	0.25	0.41	0.59	0.50	0.38	-0.06	0.32	0.26	3.23
1942	0.22	0.25	0.49	0.24	0.51	0.62	0.78	0.22	0.27	0.19	0.40	0.14	4.33
1943	0.25	0.38	0.28	0.58	0.41	0.69	0.76	1.00	0.45	0.49	0.28	-0.01	5.56
1944	0.02	0.07	0.40	0.62	0.40	0.85	0.77	0.71	0.40	0.32	0.22	0.00	4.78
1945	0.17	0.19	0.33	0.35	0.82	0.80	0.30	0.78	0.68	0.09	0.43	0.28	5.23
1946	0.00	0.28	0.35	0.49	0.60	0.68	1.07	1.07	0.41	0.43	0.23	-0.05	5.57
1947	0.19	0.26	0.08	0.37	0.15	0.66	0.97	0.89	0.83	0.53	0.23	0.13	5.29
1948	0.19	0.05	0.37	0.56	0.55	0.67	0.59	1.06	0.72	0.40	0.48	0.34	5.98
1949	0.05	0.02	0.24	0.01	0.14	0.50	0.81	0.73	0.41	0.20	0.43	0.13	3.66
1950	0.20	0.22	0.43	0.34	0.19	0.64	0.52	0.81	0.29	0.58	0.54	0.22	4.99
1951	0.29	0.18	0.24	0.38	0.38	0.38	0.73	0.73	0.66	0.48	0.29	0.31	5.03
1952	0.28	0.34	0.38	0.39	0.49	0.91	0.84	1.15	0.63	0.75	0.21	0.19	6.55
1953	0.35	0.26	0.19	0.46	0.50	0.89	0.71	0.58	0.84	0.40	0.27	0.32	5.77
1954	0.15	0.42	0.43	0.29	0.32	0.64	0.90	0.82	0.74	0.47	0.30	0.26	5.75
1955	0.11	0.15	0.49	0.69	0.47	0.61	0.59	0.57	0.47	0.48	0.34	0.26	5.23
1956	0.16	0.28	0.58	0.45	0.63	0.85	0.89	0.88	0.71	0.39	0.34	0.21	6.35
1957	0.19	0.02	0.41	0.05	-0.14	0.45	0.79	0.84	0.32	0.15	0.03	0.23	3.32
1958	-0.01	-0.06	0.04	0.16	0.17	0.59	0.75	0.49	-0.02	0.08	0.19	0.19	2.58
1959	0.15	0.10	0.46	0.33	0.24	0.17	0.13	0.61	0.44	-0.09	0.13	0.03	2.71
1960	0.01	0.16	0.27	0.38	0.34	0.69	0.44	0.50	0.53	0.13	0.25	-0.08	3.63
1961	-0.13	0.05	0.32	0.55	0.27	0.03	0.27	0.60	0.21	0.18	0.00	0.12	2.46
1962	0.17	0.33	0.36	0.35	0.70	0.45	0.53	0.74	0.14	0.31	0.21	0.12	4.41
1963	0.20	0.21	0.53	0.44	0.15	0.34	0.82	0.55	0.41	0.46	0.14	0.10	4.32
1964	0.16	0.11	0.40	0.47	0.43	0.70	0.84	0.69	0.16	0.37	0.12	0.23	4.68
1965	0.20	0.02	0.32	0.47	0.04	0.49	0.86	0.56	0.47	0.25	0.25	0.12	4.05
1966	0.09	0.16	0.45	0.21	0.38	0.62	0.84	0.22	0.05	0.27	0.38	0.29	3.96
1967	0.33	0.34	0.48	0.54	0.49	0.64	0.56	0.61	-0.08	0.38	0.07	0.07	4.43
1968	-0.15	0.03	0.12	0.18	0.26	0.31	0.47	0.65	0.37	0.46	0.02	0.23	2.95
1969	0.24	0.12	0.16	0.17	0.16	0.54	0.87	0.43	0.06	0.00	0.12	-0.02	2.84
1970	0.15	0.07	0.10	0.27	0.27	0.56	0.82	0.61	0.20	0.26	0.38	0.27	3.97
1971	0.35	0.34	0.68	0.44	0.46	0.59	0.62	-0.22	0.12	0.11	0.26	0.11	3.86
1972	0.24	0.31	0.59	0.63	0.23	0.45	0.65	0.12	0.08	0.01	0.20	0.25	3.75
1973	-0.01	0.03	0.33	0.28	0.50	0.42	0.36	0.63	0.07	0.15	0.28	0.29	3.32

Table C-18
Lake Ballinger Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1974	0.17	0.35	0.43	0.52	0.39	0.69	0.68	0.06	-0.26	-0.08	0.16	0.07	3.19
1975	0.16	0.13	0.36	0.43	0.01	0.42	0.33	0.49	0.29	0.35	0.14	0.17	3.27
1976	0.21	0.35	0.42	0.14	0.31	0.59	-0.01	0.51	0.09	-0.11	0.14	0.17	2.80
1977	0.06	0.21	0.30	0.13	0.22	0.50	0.64	0.54	0.56	0.30	0.26	0.27	3.97
1978	0.09	0.02	0.36	0.52	0.24	0.54	0.80	0.35	0.14	0.33	0.05	0.20	3.64
1979	0.08	0.10	0.17	0.33	0.32	0.32	0.55	0.40	0.54	0.54	0.23	-0.04	3.53
1980	0.07	0.15	0.36	0.55	0.07	0.44	0.92	0.59	-0.39	0.35	0.09	0.05	3.24
1981	0.10	0.13	0.14	0.06	0.17	0.33	0.58	0.42	0.33	-0.13	0.26	0.25	2.63
1982	0.14	0.12	0.26	0.37	-0.20	0.27	0.52	0.53	0.46	0.35	0.17	0.07	3.07
1983	-0.04	0.12	0.24	0.45	0.36	0.31	0.60	0.60	0.56	0.05	0.15	0.11	3.51
1984	0.10	0.31	0.31	0.61	0.53	0.56	0.62	0.53	0.34	-0.06	0.09	-0.16	3.79
1985	0.15	0.05	0.15	0.37	0.23	0.27	0.43	0.66	0.23	0.05	0.13	0.14	2.85
1986	0.30	0.14	0.45	0.46	0.08	0.21	0.58	0.24	0.10	-0.26	0.07	-0.07	2.32
1987	0.13	-0.12	0.17	0.37	-0.09	0.18	0.49	0.43	0.17	0.32	0.20	-0.01	2.23
1988	0.17	0.15	0.34	0.38	0.37	0.40	0.46	0.56	0.20	0.43	0.33	0.10	3.88
1989	0.11	-0.06	0.32	0.48	0.33	0.33	0.56	0.49	0.31	0.38	0.34	0.15	3.73
1990	0.13	0.05	0.12	0.03	0.27	0.71	0.25	0.33	0.00	0.20	0.07	0.13	2.28
1991	-0.06	0.21	0.41	0.45	0.42	0.16	0.56	0.35	0.00	0.32	0.25	-0.15	2.92
1992	0.00	0.03	0.30	0.24	0.13	0.08	0.47	0.37	0.42	0.37	0.17	0.10	2.68
1993	0.11	0.10	0.25	0.36	0.35	0.43	0.77	0.62	0.33	0.32	0.24	0.19	4.07
1994	0.07	0.12	0.36	0.35	0.12	0.61	0.72	0.75	0.22	0.20	0.11	0.08	3.72
1995	0.00	0.00	0.22	0.27	0.12	0.35	0.60	0.32	0.18	0.42	0.22	0.19	2.91
1996	0.22	0.30	0.35	0.33	0.49	0.47	0.59	0.08	0.21	0.36	0.27	0.27	3.94
Average	0.13	0.15	0.33	0.37	0.31	0.50	0.63	0.56	0.32	0.27	0.22	0.14	3.93

Table C-19
Lake Moonen Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.08	0.09	0.14	0.25	0.25	0.41	0.59	0.50	0.38	-0.06	0.32	0.26	3.23
1942	0.22	0.25	0.49	0.24	0.51	0.62	0.78	0.22	0.27	0.19	0.40	0.14	4.33
1943	0.25	0.38	0.28	0.58	0.41	0.69	0.76	1.00	0.45	0.49	0.28	-0.01	5.56
1944	0.02	0.07	0.40	0.62	0.40	0.85	0.77	0.71	0.40	0.32	0.22	0.00	4.78
1945	0.17	0.19	0.33	0.35	0.82	0.80	0.30	0.78	0.68	0.09	0.43	0.28	5.23
1946	0.00	0.28	0.35	0.49	0.60	0.68	1.07	1.07	0.41	0.43	0.23	-0.05	5.57
1947	0.19	0.26	0.08	0.37	0.15	0.66	0.97	0.89	0.83	0.53	0.23	0.13	5.29
1948	0.19	0.05	0.37	0.56	0.55	0.67	0.59	1.06	0.72	0.40	0.48	0.34	5.98
1949	0.05	0.02	0.24	0.01	0.14	0.50	0.81	0.73	0.41	0.20	0.43	0.13	3.66
1950	0.20	0.22	0.43	0.34	0.19	0.64	0.52	0.81	0.29	0.58	0.54	0.22	4.99
1951	0.29	0.18	0.24	0.38	0.38	0.38	0.73	0.73	0.66	0.48	0.29	0.31	5.03
1952	0.28	0.34	0.38	0.39	0.49	0.91	0.84	1.15	0.63	0.75	0.21	0.19	6.55
1953	0.35	0.26	0.19	0.46	0.50	0.89	0.71	0.58	0.84	0.40	0.27	0.32	5.77
1954	0.15	0.42	0.43	0.29	0.32	0.64	0.90	0.82	0.74	0.47	0.30	0.26	5.75
1955	0.11	0.15	0.49	0.69	0.47	0.61	0.59	0.57	0.47	0.48	0.34	0.26	5.23
1956	0.16	0.28	0.58	0.45	0.63	0.85	0.89	0.88	0.71	0.39	0.34	0.21	6.35
1957	0.19	0.02	0.41	0.05	-0.14	0.45	0.79	0.84	0.32	0.15	0.03	0.23	3.32
1958	-0.01	-0.06	0.04	0.16	0.17	0.59	0.75	0.49	-0.02	0.08	0.19	0.19	2.58
1959	0.15	0.10	0.46	0.33	0.24	0.17	0.13	0.61	0.44	-0.09	0.13	0.03	2.71
1960	0.01	0.16	0.27	0.38	0.34	0.69	0.44	0.50	0.53	0.13	0.25	-0.08	3.63
1961	-0.13	0.05	0.32	0.55	0.27	0.03	0.27	0.60	0.21	0.18	0.00	0.12	2.46
1962	0.17	0.33	0.36	0.35	0.70	0.45	0.53	0.74	0.14	0.31	0.21	0.12	4.41
1963	0.20	0.21	0.53	0.44	0.15	0.34	0.82	0.55	0.41	0.46	0.14	0.10	4.32
1964	0.16	0.11	0.40	0.47	0.43	0.70	0.84	0.69	0.16	0.37	0.12	0.23	4.68
1965	0.20	0.02	0.32	0.47	0.04	0.49	0.86	0.56	0.47	0.25	0.25	0.12	4.05
1966	0.09	0.16	0.45	0.21	0.38	0.62	0.84	0.22	0.05	0.27	0.38	0.29	3.96
1967	0.33	0.34	0.48	0.54	0.49	0.64	0.56	0.61	-0.08	0.38	0.07	0.07	4.43
1968	-0.15	0.03	0.12	0.18	0.26	0.31	0.47	0.65	0.37	0.46	0.02	0.23	2.95
1969	0.24	0.12	0.16	0.17	0.16	0.54	0.87	0.43	0.06	0.00	0.12	-0.02	2.84
1970	0.15	0.07	0.10	0.27	0.27	0.56	0.82	0.61	0.20	0.26	0.38	0.27	3.97
1971	0.35	0.34	0.68	0.44	0.46	0.59	0.62	-0.22	0.12	0.11	0.26	0.11	3.86
1972	0.24	0.31	0.59	0.63	0.23	0.45	0.65	0.12	0.08	0.01	0.20	0.25	3.75

Table C-19
Lake Moonen Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1973	-0.01	0.03	0.33	0.28	0.50	0.42	0.36	0.63	0.07	0.15	0.28	0.29	3.32
1974	0.17	0.35	0.43	0.52	0.39	0.69	0.68	0.06	-0.26	-0.08	0.16	0.07	3.19
1975	0.16	0.13	0.36	0.43	0.01	0.42	0.33	0.49	0.29	0.35	0.14	0.17	3.27
1976	0.21	0.35	0.42	0.14	0.31	0.59	-0.01	0.51	0.09	-0.11	0.14	0.17	2.80
1977	0.06	0.21	0.30	0.13	0.22	0.50	0.64	0.54	0.56	0.30	0.26	0.27	3.97
1978	0.09	0.02	0.36	0.52	0.24	0.54	0.80	0.35	0.14	0.33	0.05	0.20	3.64
1979	0.08	0.10	0.17	0.33	0.32	0.32	0.55	0.40	0.54	0.54	0.23	-0.04	3.53
1980	0.07	0.15	0.36	0.55	0.07	0.44	0.92	0.59	-0.39	0.35	0.09	0.05	3.24
1981	0.10	0.13	0.14	0.06	0.17	0.33	0.58	0.42	0.33	-0.13	0.26	0.25	2.63
1982	0.14	0.12	0.26	0.37	-0.20	0.27	0.52	0.53	0.46	0.35	0.17	0.07	3.07
1983	-0.04	0.12	0.24	0.45	0.36	0.31	0.60	0.60	0.56	0.05	0.15	0.11	3.51
1984	0.10	0.31	0.31	0.61	0.53	0.56	0.62	0.53	0.34	-0.06	0.09	-0.16	3.79
1985	0.15	0.05	0.15	0.37	0.23	0.27	0.43	0.66	0.23	0.05	0.13	0.14	2.85
1986	0.30	0.14	0.45	0.46	0.08	0.21	0.58	0.24	0.10	-0.26	0.07	-0.07	2.32
1987	0.13	-0.12	0.17	0.37	-0.09	0.18	0.49	0.43	0.17	0.32	0.20	-0.01	2.23
1988	0.17	0.15	0.34	0.38	0.37	0.40	0.46	0.56	0.20	0.43	0.33	0.10	3.88
1989	0.11	-0.06	0.32	0.48	0.33	0.33	0.56	0.49	0.31	0.38	0.34	0.15	3.73
1990	0.13	0.05	0.12	0.03	0.27	0.71	0.25	0.33	0.00	0.20	0.07	0.13	2.28
1991	-0.06	0.21	0.41	0.45	0.42	0.16	0.56	0.35	0.00	0.32	0.25	-0.15	2.92
1992	0.00	0.03	0.30	0.24	0.13	0.08	0.47	0.37	0.42	0.37	0.17	0.10	2.68
1993	0.11	0.10	0.25	0.36	0.35	0.43	0.77	0.62	0.33	0.32	0.24	0.19	4.07
1994	0.07	0.12	0.36	0.35	0.12	0.61	0.72	0.75	0.22	0.20	0.11	0.08	3.72
1995	0.00	0.00	0.22	0.27	0.12	0.35	0.60	0.32	0.18	0.42	0.22	0.19	2.91
1996	0.22	0.30	0.35	0.33	0.49	0.47	0.59	0.08	0.21	0.36	0.27	0.27	3.94
Average	0.13	0.16	0.32	0.37	0.30	0.50	0.63	0.56	0.31	0.26	0.22	0.14	3.91

Table C-20
Oak Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.15	0.12	0.47	0.41	0.50	0.33	0.88	0.58	0.76	0.59	0.10	0.22	5.10
1941	0.09	0.08	0.15	0.26	0.23	0.39	0.57	0.51	0.40	-0.07	0.32	0.24	3.16
1942	0.21	0.25	0.47	0.21	0.51	0.62	0.78	0.29	0.26	0.18	0.40	0.13	4.32
1943	0.25	0.37	0.28	0.55	0.38	0.69	0.74	1.01	0.49	0.51	0.28	0.01	5.56
1944	0.02	0.06	0.39	0.60	0.40	0.84	0.72	0.70	0.41	0.32	0.21	0.00	4.69
1945	0.15	0.18	0.32	0.35	0.80	0.78	0.29	0.76	0.67	0.09	0.44	0.27	5.10
1946	0.01	0.28	0.36	0.49	0.59	0.69	1.07	1.06	0.42	0.42	0.24	-0.05	5.57
1947	0.20	0.25	0.09	0.37	0.14	0.65	0.96	0.89	0.82	0.50	0.23	0.13	5.24
1948	0.19	0.05	0.37	0.56	0.55	0.66	0.60	1.05	0.73	0.39	0.48	0.34	5.96
1949	0.05	0.04	0.25	0.02	0.13	0.49	0.81	0.73	0.41	0.22	0.43	0.14	3.73
1950	0.20	0.22	0.42	0.31	0.15	0.61	0.50	0.79	0.28	0.57	0.53	0.22	4.80
1951	0.29	0.18	0.23	0.38	0.36	0.38	0.73	0.74	0.67	0.48	0.29	0.31	5.05
1952	0.28	0.33	0.38	0.39	0.48	0.91	0.84	1.15	0.62	0.75	0.21	0.19	6.54
1953	0.34	0.25	0.19	0.45	0.49	0.88	0.70	0.58	0.84	0.39	0.27	0.31	5.71
1954	0.14	0.41	0.43	0.28	0.27	0.64	0.88	0.80	0.74	0.47	0.29	0.25	5.60
1955	0.10	0.14	0.48	0.66	0.43	0.56	0.58	0.58	0.44	0.45	0.34	0.25	5.01
1956	0.15	0.26	0.56	0.43	0.59	0.82	0.86	0.87	0.71	0.39	0.33	0.18	6.15
1957	0.18	0.22	0.38	0.01	-0.15	0.41	0.75	0.80	0.32	0.16	0.02	0.22	3.30
1958	0.01	-0.04	0.04	0.15	0.16	0.57	0.74	0.49	0.00	0.09	0.19	0.19	2.60
1959	0.14	0.10	0.45	0.34	0.23	0.18	0.14	0.59	0.46	-0.08	0.15	0.02	2.74
1960	0.01	0.15	0.27	0.38	0.34	0.69	0.41	0.49	0.52	0.13	0.26	-0.08	3.57
1961	-0.13	0.05	0.32	0.55	0.28	0.01	0.23	0.59	0.21	0.21	-0.02	0.10	2.39
1962	0.16	0.32	0.34	0.34	0.68	0.39	0.49	0.72	0.05	0.29	0.21	0.11	4.11
1963	0.18	0.20	0.50	0.40	0.14	0.33	0.78	0.54	0.40	0.45	0.12	0.10	4.13
1964	0.15	0.10	0.38	0.46	0.40	0.66	0.81	0.67	0.17	0.36	0.11	0.22	4.50
1965	0.19	0.03	0.31	0.44	0.02	0.48	0.84	0.54	0.45	0.24	0.24	0.11	3.90
1966	0.07	0.14	0.44	0.17	0.38	0.59	0.82	0.22	0.04	0.28	0.37	0.29	3.81
1967	0.33	0.33	0.48	0.53	0.48	0.61	0.54	0.61	-0.06	0.37	0.08	0.08	4.37
1968	-0.16	0.02	0.12	0.19	0.25	0.32	0.47	0.64	0.39	0.46	0.01	0.23	2.94
1969	0.22	0.11	0.14	0.19	0.12	0.49	0.84	0.43	0.04	0.00	0.13	-0.03	2.69
1970	0.14	0.07	0.10	0.26	0.26	0.53	0.80	0.58	0.21	0.25	0.38	0.26	3.86
1971	0.35	0.34	0.67	0.45	0.41	0.61	0.59	-0.24	0.12	0.11	0.26	0.10	3.76
1972	0.24	0.31	0.58	0.60	0.23	0.46	0.63	0.12	0.08	-0.01	0.20	0.24	3.69

Table C-20
Oak Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.15	0.12	0.47	0.41	0.50	0.33	0.88	0.58	0.76	0.59	0.10	0.22	5.10
1973	-0.01	0.02	0.30	0.27	0.50	0.42	0.34	0.62	0.08	0.16	0.28	0.30	3.28
1974	0.18	0.35	0.43	0.50	0.41	0.67	0.69	0.10	-0.25	-0.07	0.17	0.08	3.27
1975	0.16	0.12	0.36	0.43	0.02	0.43	0.30	0.48	0.27	0.37	0.15	0.16	3.25
1976	0.21	0.35	0.41	0.13	0.31	0.59	0.00	0.50	0.10	-0.11	0.14	0.17	2.81
1977	0.06	0.21	0.29	0.13	0.23	0.49	0.62	0.50	0.55	0.30	0.26	0.27	3.90
1978	0.09	0.02	0.36	0.51	0.23	0.54	0.79	0.36	0.10	0.32	0.06	0.20	3.58
1979	0.07	0.10	0.15	0.33	0.29	0.31	0.53	0.39	0.53	0.53	0.22	-0.03	3.44
1980	0.07	0.15	0.36	0.55	0.07	0.45	0.94	0.59	-0.39	0.34	0.10	0.05	3.26
1981	0.10	0.12	0.15	0.05	0.18	0.33	0.57	0.41	0.34	-0.12	0.26	0.24	2.64
1982	0.14	0.12	0.26	0.37	-0.24	0.25	0.51	0.52	0.46	0.35	0.18	0.07	3.01
1983	-0.04	0.12	0.24	0.45	0.33	0.33	0.60	0.60	0.55	0.04	0.15	0.10	3.45
1984	0.11	0.30	0.32	0.60	0.52	0.56	0.62	0.50	0.35	-0.06	0.07	-0.16	3.73
1985	0.15	0.02	0.14	0.34	0.22	0.27	0.42	0.64	0.22	0.04	0.13	0.14	2.74
1986	0.30	0.15	0.44	0.44	0.08	0.21	0.56	0.24	0.09	-0.27	0.08	-0.06	2.26
1987	0.12	-0.11	0.18	0.37	-0.08	0.19	0.50	0.43	0.18	0.34	0.20	-0.01	2.31
1988	0.15	0.18	0.41	0.41	0.34	0.40	0.37	0.54	0.19	0.40	0.35	0.12	3.87
1989	0.12	-0.09	0.27	0.43	0.37	0.29	0.64	0.50	0.28	0.39	0.33	0.13	3.67
1990	0.12	0.05	0.11	0.02	0.28	0.70	0.26	0.32	0.00	0.21	0.07	0.12	2.28
1991	-0.05	0.22	0.41	0.46	0.41	0.15	0.55	0.34	0.02	0.33	0.25	-0.13	2.96
1992	0.00	0.05	0.32	0.24	0.10	0.08	0.46	0.38	0.41	0.38	0.17	0.10	2.69
1993	0.11	0.10	0.24	0.36	0.35	0.43	0.78	0.63	0.33	0.32	0.24	0.19	4.09
1994	0.08	0.12	0.36	0.35	0.12	0.65	0.70	0.76	0.22	0.22	0.12	0.09	3.80
1995	0.00	0.00	0.23	0.28	0.11	0.36	0.60	0.30	0.18	0.43	0.23	0.20	2.92
1996	0.22	0.31	0.35	0.33	0.50	0.46	0.57	0.07	0.21	0.37	0.27	0.28	3.94
Average	0.13	0.16	0.32	0.36	0.30	0.49	0.62	0.55	0.32	0.27	0.22	0.14	3.87

Table C-21
Thomas Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.11	0.10	0.16	0.28	-0.02	0.31	0.48	0.59	0.27	-0.13	0.30	0.16	2.59
1942	0.16	0.23	0.41	0.15	0.57	0.65	0.73	0.37	0.25	0.20	0.40	0.05	4.18
1943	0.23	0.33	0.36	0.47	0.31	0.72	0.59	1.03	0.65	0.56	0.27	0.07	5.60
1944	0.03	0.07	0.35	0.52	0.51	0.74	0.49	0.61	0.32	0.31	0.18	-0.02	4.11
1945	0.09	0.18	0.37	0.41	0.77	0.82	0.26	0.63	0.59	0.10	0.41	0.22	4.85
1946	0.04	0.27	0.36	0.53	0.56	0.70	1.06	1.01	0.47	0.31	0.26	0.00	5.57
1947	0.25	0.24	0.12	0.38	0.15	0.68	0.92	0.88	0.83	0.51	0.20	0.12	5.28
1948	0.18	0.06	0.41	0.58	0.51	0.66	0.62	0.97	0.74	0.34	0.41	0.33	5.80
1949	-0.04	0.12	0.26	0.13	0.15	0.43	0.71	0.73	0.36	0.24	0.42	0.15	3.64
1950	0.16	0.17	0.35	0.31	0.06	0.51	0.34	0.65	0.11	0.50	0.46	0.20	3.81
1951	0.25	0.22	0.28	0.41	0.37	0.49	0.67	0.74	0.64	0.45	0.29	0.28	5.08
1952	0.26	0.34	0.41	0.43	0.53	0.97	0.74	1.07	0.58	0.75	0.23	0.17	6.48
1953	0.32	0.23	0.26	0.42	0.51	0.90	0.71	0.64	0.81	0.41	0.25	0.28	5.75
1954	0.12	0.32	0.38	0.14	0.00	0.50	0.67	0.49	0.59	0.35	0.27	0.20	4.03
1955	0.08	0.16	0.38	0.56	0.25	0.48	0.48	0.57	0.29	0.28	0.35	0.23	4.11
1956	0.13	0.18	0.54	0.39	0.40	0.69	0.73	0.76	0.70	0.41	0.31	0.20	5.42
1957	0.11	0.08	0.29	0.06	-0.05	0.26	0.64	0.56	0.34	0.02	-0.04	0.23	2.51
1958	0.04	0.08	0.02	0.15	0.14	0.50	0.62	0.48	0.13	0.08	0.15	0.19	2.58
1959	0.15	0.15	0.39	0.39	0.24	0.23	0.22	0.56	0.56	0.01	0.21	-0.03	3.09
1960	0.01	0.12	0.25	0.38	0.38	0.59	0.28	0.57	0.45	0.06	0.28	-0.05	3.32
1961	-0.01	0.08	0.23	0.56	0.39	0.10	0.10	0.55	0.32	0.35	-0.01	0.06	2.71
1962	0.09	0.25	0.34	0.33	0.59	0.33	0.35	0.59	-0.17	0.21	0.20	0.10	3.21
1963	0.14	0.18	0.40	0.31	0.15	0.26	0.68	0.55	0.32	0.42	0.13	0.04	3.59
1964	0.16	0.08	0.32	0.42	0.29	0.52	0.72	0.57	0.27	0.37	0.19	0.16	4.09
1965	0.21	0.08	0.27	0.45	0.12	0.42	0.83	0.51	0.39	0.30	0.30	0.14	4.03
1966	0.05	0.12	0.46	0.17	0.38	0.57	0.78	0.18	0.11	0.35	0.36	0.24	3.77
1967	0.30	0.31	0.43	0.50	0.47	0.58	0.48	0.61	0.16	0.41	0.17	0.06	4.47
1968	-0.11	0.03	0.07	0.22	0.21	0.37	0.43	0.56	0.38	0.40	0.03	0.17	2.75
1969	0.14	0.07	0.09	0.30	-0.06	0.38	0.79	0.47	0.09	-0.10	0.16	-0.02	2.31
1970	0.10	0.09	0.00	0.33	0.26	0.44	0.65	0.50	0.33	0.20	0.32	0.22	3.46
1971	0.32	0.31	0.61	0.51	0.31	0.65	0.55	0.02	0.09	0.18	0.24	0.04	3.82
1972	0.21	0.31	0.56	0.63	0.23	0.47	0.53	0.21	0.12	-0.05	0.10	0.21	3.53
1973	-0.04	0.00	0.14	0.21	0.45	0.45	0.31	0.64	0.11	0.25	0.27	0.33	3.13

Table C-21
Thomas Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.11	0.10	0.16	0.28	-0.02	0.31	0.48	0.59	0.27	-0.13	0.30	0.16	2.59
1974	0.15	0.37	0.45	0.54	0.50	0.67	0.80	0.24	-0.17	-0.02	0.14	0.12	3.80
1975	0.15	0.07	0.39	0.47	0.14	0.41	0.21	0.44	0.16	0.44	0.14	0.15	3.18
1976	0.23	0.39	0.46	0.25	0.38	0.60	0.04	0.56	0.09	0.06	0.18	0.20	3.44
1977	0.05	0.21	0.35	0.18	0.30	0.49	0.62	0.44	0.59	0.39	0.33	0.33	4.30
1978	0.05	0.04	0.44	0.62	0.25	0.51	0.72	0.56	0.07	0.31	0.03	0.19	3.80
1979	0.05	0.16	0.18	0.41	0.27	0.37	0.41	0.41	0.53	0.55	0.23	0.02	3.58
1980	0.08	0.18	0.45	0.51	0.24	0.56	0.99	0.74	-0.17	0.36	0.14	0.08	4.17
1981	0.13	0.10	0.26	0.18	0.20	0.43	0.61	0.36	0.37	-0.09	0.29	0.23	3.07
1982	0.11	0.13	0.37	0.43	0.02	0.21	0.54	0.54	0.51	0.40	0.18	-0.07	3.36
1983	-0.02	0.16	0.32	0.46	0.36	0.53	0.76	0.73	0.64	0.02	0.18	0.02	4.16
1984	0.17	0.29	0.40	0.62	0.52	0.56	0.67	0.40	0.47	0.05	0.09	-0.04	4.21
1985	0.15	0.01	0.19	0.37	0.29	0.34	0.54	0.72	0.25	-0.06	0.21	0.02	3.02
1986	0.33	0.28	0.52	0.49	0.30	0.18	0.70	0.27	-0.05	-0.16	0.12	-0.03	2.95
1987	0.13	0.00	0.28	0.48	-0.08	0.27	0.53	0.56	0.24	0.45	0.27	0.08	3.19
1988	0.13	0.16	0.37	0.48	0.34	0.46	0.39	0.57	0.12	0.43	0.39	0.20	4.02
1989	0.15	0.04	0.40	0.55	0.43	0.34	0.69	0.49	0.35	0.51	0.42	0.19	4.57
1990	0.11	0.05	0.11	0.08	0.39	0.69	0.37	0.28	0.12	0.26	0.09	0.12	2.67
1991	0.02	0.31	0.47	0.63	0.58	0.37	0.48	0.39	0.07	0.52	0.27	-0.06	4.07
1992	0.03	0.08	0.39	0.29	-0.01	0.14	0.56	0.41	0.45	0.46	0.23	0.18	3.22
1993	0.11	0.15	0.33	0.43	0.45	0.55	0.81	0.76	0.54	0.42	0.31	0.27	5.13
1994	0.21	0.20	0.41	0.48	0.14	0.87	0.94	0.90	0.41	0.44	0.24	0.22	5.45
1995	0.00	0.00	0.36	0.44	0.12	0.42	0.68	0.41	0.10	0.45	0.33	0.27	3.57
1996	0.28	0.44	0.50	0.59	0.68	0.55	0.69	0.16	0.25	0.45	0.29	0.37	5.24
1997	0.24	-0.01	0.43	0.04	0.24	0.22	0.69	0.42	0.45	0.36	0.28	0.06	3.43
1998	0.16	0.15	0.34	0.60	0.75	1.07	1.03	0.48	0.73	0.41	0.24	0.20	6.13
Average	0.13	0.16	0.34	0.39	0.31	0.50	0.60	0.55	0.33	0.28	0.24	0.14	3.97

Table C-22
O.H. Ivie Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.07	0.11	0.13	0.25	0.28	0.44	0.61	0.49	0.37	-0.04	0.32	0.28	3.31
1942	0.22	0.25	0.5	0.27	0.52	0.63	0.77	0.15	0.28	0.2	0.39	0.15	4.33
1943	0.25	0.39	0.28	0.6	0.44	0.7	0.78	0.99	0.4	0.48	0.27	-0.03	5.55
1944	0.02	0.07	0.41	0.64	0.41	0.85	0.83	0.71	0.38	0.33	0.22	0	4.87
1945	0.18	0.2	0.34	0.36	0.84	0.83	0.3	0.81	0.69	0.09	0.43	0.29	5.36
1946	-0.01	0.28	0.35	0.49	0.62	0.68	1.07	1.08	0.4	0.44	0.23	-0.06	5.57
1947	0.18	0.26	0.07	0.38	0.16	0.67	0.98	0.9	0.84	0.56	0.24	0.13	5.37
1948	0.19	0.05	0.36	0.55	0.56	0.68	0.58	1.08	0.71	0.41	0.48	0.34	5.99
1949	0.06	-0.01	0.23	-0.01	0.14	0.5	0.82	0.73	0.41	0.18	0.43	0.12	3.6
1950	0.21	0.23	0.44	0.37	0.23	0.66	0.55	0.82	0.3	0.59	0.55	0.22	5.17
1951	0.29	0.18	0.24	0.39	0.4	0.38	0.73	0.7	0.65	0.47	0.28	0.31	5.02
1952	0.28	0.34	0.38	0.4	0.49	0.91	0.84	1.14	0.63	0.74	0.21	0.2	6.56
1953	0.35	0.26	0.18	0.48	0.52	0.89	0.74	0.58	0.85	0.42	0.28	0.32	5.87
1954	0.16	0.44	0.43	0.31	0.37	0.65	0.91	0.84	0.74	0.48	0.31	0.27	5.91
1955	0.12	0.15	0.5	0.72	0.52	0.66	0.59	0.57	0.5	0.52	0.35	0.28	5.48
1956	0.17	0.3	0.59	0.47	0.66	0.89	0.92	0.9	0.7	0.39	0.35	0.23	6.57
1957	0.2	0.04	0.43	0.1	-0.12	0.49	0.83	0.88	0.33	0.14	0.05	0.23	3.6
1958	-0.02	-0.09	0.04	0.16	0.18	0.6	0.78	0.5	-0.03	0.08	0.19	0.19	2.58
1959	0.16	0.1	0.46	0.32	0.25	0.15	0.12	0.62	0.41	-0.1	0.12	0.04	2.65
1960	0.01	0.16	0.27	0.38	0.35	0.69	0.47	0.52	0.55	0.13	0.24	-0.07	3.7
1961	-0.14	0.05	0.31	0.54	0.26	0.06	0.31	0.6	0.21	0.15	0.02	0.14	2.51
1962	0.18	0.34	0.38	0.37	0.72	0.52	0.57	0.76	0.23	0.33	0.21	0.12	4.73
1963	0.21	0.21	0.56	0.48	0.17	0.35	0.86	0.55	0.42	0.46	0.15	0.11	4.53
1964	0.17	0.12	0.42	0.48	0.46	0.75	0.86	0.71	0.14	0.38	0.14	0.24	4.87
1965	0.21	0.01	0.34	0.5	0.08	0.51	0.87	0.57	0.48	0.27	0.26	0.13	4.23
1966	0.11	0.18	0.46	0.26	0.38	0.65	0.86	0.22	0.06	0.27	0.39	0.3	4.14
1967	0.33	0.34	0.49	0.56	0.5	0.67	0.57	0.61	-0.1	0.39	0.06	0.07	4.49
1968	-0.13	0.03	0.12	0.17	0.27	0.3	0.47	0.66	0.36	0.46	0.03	0.24	2.98
1969	0.25	0.13	0.17	0.16	0.2	0.6	0.89	0.43	0.08	0	0.11	-0.01	3.01
1970	0.15	0.08	0.1	0.29	0.28	0.57	0.85	0.63	0.2	0.26	0.39	0.28	4.08
1971	0.35	0.34	0.69	0.43	0.52	0.56	0.65	-0.2	0.13	0.11	0.26	0.12	3.96
1972	0.25	0.32	0.6	0.66	0.22	0.44	0.67	0.12	0.06	0.02	0.21	0.25	3.82
1973	0	0.04	0.36	0.28	0.51	0.43	0.38	0.63	0.06	0.14	0.27	0.28	3.38

Table C-22
O.H. Ivie Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.07	0.11	0.13	0.25	0.28	0.44	0.61	0.49	0.37	-0.04	0.32	0.28	3.31
1974	0.17	0.35	0.43	0.54	0.37	0.71	0.66	0.02	-0.26	-0.09	0.15	0.07	3.12
1975	0.16	0.13	0.37	0.43	-0.01	0.4	0.35	0.5	0.3	0.33	0.14	0.17	3.27
1976	0.21	0.34	0.42	0.15	0.3	0.6	-0.03	0.52	0.08	-0.11	0.13	0.16	2.77
1977	0.07	0.21	0.3	0.13	0.22	0.5	0.66	0.58	0.57	0.29	0.25	0.26	4.04
1978	0.09	0.02	0.36	0.53	0.25	0.55	0.81	0.36	0.16	0.34	0.05	0.2	3.72
1979	0.09	0.09	0.18	0.33	0.36	0.32	0.57	0.41	0.55	0.55	0.23	-0.04	3.64
1980	0.07	0.15	0.36	0.56	0.07	0.43	0.91	0.59	-0.4	0.35	0.08	0.05	3.22
1981	0.09	0.13	0.13	0.07	0.16	0.33	0.6	0.42	0.31	-0.14	0.27	0.25	2.62
1982	0.15	0.11	0.26	0.37	-0.17	0.29	0.53	0.54	0.47	0.35	0.16	0.07	3.13
1983	-0.03	0.12	0.26	0.46	0.4	0.29	0.6	0.6	0.57	0.07	0.15	0.12	3.61
1984	0.08	0.31	0.31	0.63	0.54	0.57	0.63	0.57	0.33	-0.06	0.1	-0.17	3.84
1985	0.14	0.07	0.16	0.4	0.25	0.28	0.44	0.68	0.24	0.05	0.13	0.14	2.98
1986	0.3	0.14	0.46	0.49	0.08	0.21	0.6	0.24	0.12	-0.25	0.06	-0.07	2.38
1987	0.14	-0.13	0.16	0.36	-0.1	0.17	0.49	0.43	0.15	0.31	0.2	-0.01	2.17
1988	0.16	0.18	0.42	0.43	0.34	0.43	0.35	0.55	0.23	0.42	0.35	0.11	3.97
1989	0.13	-0.1	0.24	0.44	0.37	0.33	0.68	0.52	0.29	0.4	0.31	0.13	3.74
1990	0.14	0.05	0.14	0.04	0.26	0.71	0.23	0.33	0	0.19	0.06	0.15	2.3
1991	-0.06	0.2	0.4	0.45	0.43	0.17	0.57	0.36	-0.02	0.31	0.25	-0.16	2.9
1992	0	0.01	0.29	0.23	0.16	0.08	0.48	0.35	0.44	0.36	0.18	0.11	2.69
1993	0.11	0.1	0.25	0.36	0.35	0.44	0.76	0.61	0.32	0.32	0.25	0.19	4.06
1994	0.05	0.11	0.36	0.35	0.12	0.57	0.75	0.75	0.23	0.19	0.11	0.08	3.67
1995	0	0	0.22	0.26	0.12	0.33	0.61	0.34	0.19	0.42	0.21	0.18	2.88
1996	0.22	0.3	0.35	0.33	0.48	0.48	0.61	0.09	0.22	0.36	0.27	0.26	3.97
1997	0.23	-0.12	0.22	0.07	0.22	0.31	0.69	0.45	0.46	0.32	0.22	0.06	3.97
1998	0.22	0.3	0.35	0.33	0.48	0.48	0.61	0.09	0.22	0.36	0.27	0.26	3.97
1999	0.22	0.3	0.35	0.33	0.48	0.48	0.61	0.09	0.22	0.36	0.27	0.26	3.97
Average	0.14	0.16	0.33	0.37	0.32	0.51	0.64	0.55	0.31	0.27	0.23	0.14	3.97

Table C-23
E.V. Spence Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.14	0.13	0.47	0.43	0.52	0.33	0.91	0.57	0.75	0.58	0.10	0.23	5.16
1941	0.05	0.11	0.15	0.24	0.20	0.31	0.55	0.49	0.37	-0.08	0.29	0.25	2.93
1942	0.19	0.24	0.48	0.25	0.53	0.65	0.77	0.19	0.28	0.17	0.40	0.15	4.30
1943	0.25	0.37	0.30	0.56	0.40	0.74	0.75	0.99	0.46	0.50	0.26	0.00	5.58
1944	0.02	0.08	0.42	0.63	0.45	0.87	0.73	0.64	0.34	0.29	0.22	-0.01	4.68
1945	0.15	0.20	0.36	0.37	0.84	0.83	0.30	0.74	0.66	0.06	0.42	0.27	5.20
1946	-0.01	0.29	0.35	0.51	0.55	0.69	1.09	1.10	0.43	0.42	0.22	-0.09	5.55
1947	0.22	0.25	0.06	0.40	0.17	0.65	0.96	0.92	0.81	0.49	0.22	0.12	5.27
1948	0.20	0.04	0.38	0.57	0.58	0.72	0.66	1.09	0.71	0.36	0.48	0.34	6.13
1949	0.09	0.02	0.25	0.02	0.13	0.50	0.82	0.77	0.39	0.22	0.41	0.13	3.75
1950	0.21	0.23	0.41	0.35	0.18	0.64	0.54	0.78	0.26	0.55	0.53	0.19	4.87
1951	0.31	0.20	0.24	0.41	0.37	0.39	0.72	0.72	0.65	0.46	0.29	0.32	5.08
1952	0.30	0.36	0.40	0.43	0.52	0.92	0.82	1.12	0.53	0.73	0.22	0.20	6.55
1953	0.35	0.26	0.19	0.49	0.54	0.88	0.77	0.57	0.84	0.44	0.27	0.31	5.91
1954	0.16	0.42	0.42	0.19	0.22	0.62	0.87	0.79	0.73	0.49	0.31	0.26	5.48
1955	0.09	0.14	0.50	0.70	0.37	0.60	0.58	0.57	0.47	0.45	0.34	0.26	5.07
1956	0.15	0.29	0.58	0.44	0.44	0.82	0.85	0.87	0.70	0.38	0.35	0.18	6.05
1957	0.19	0.04	0.40	0.07	-0.21	0.38	0.77	0.82	0.34	0.11	0.03	0.23	3.17
1958	-0.01	-0.06	0.04	0.16	0.15	0.59	0.79	0.47	0.01	0.07	0.19	0.20	2.60
1959	0.14	0.09	0.45	0.33	0.26	0.15	0.12	0.60	0.46	-0.06	0.14	0.01	2.69
1960	0.01	0.14	0.27	0.38	0.33	0.68	0.42	0.50	0.54	0.13	0.25	-0.08	3.57
1961	-0.12	0.05	0.31	0.53	0.28	0.01	0.24	0.59	0.19	0.20	-0.01	0.10	2.37
1962	0.15	0.33	0.36	0.36	0.71	0.49	0.52	0.74	0.11	0.29	0.22	0.11	4.39
1963	0.19	0.19	0.53	0.43	0.16	0.35	0.81	0.56	0.39	0.44	0.16	0.09	4.30
1964	0.15	0.10	0.38	0.48	0.42	0.68	0.80	0.67	0.19	0.37	0.16	0.22	4.62
1965	0.22	0.02	0.32	0.49	-0.02	0.47	0.85	0.53	0.47	0.26	0.26	0.12	3.99
1966	0.07	0.14	0.45	0.21	0.33	0.61	0.84	0.22	0.03	0.27	0.37	0.29	3.83
1967	0.33	0.33	0.48	0.55	0.52	0.61	0.53	0.61	-0.06	0.38	0.08	0.08	4.44
1968	-0.11	0.02	0.10	0.16	0.24	0.33	0.47	0.65	0.38	0.46	0.02	0.24	2.96
1969	0.24	0.12	0.18	0.18	0.02	0.51	0.86	0.44	0.02	-0.03	0.10	-0.03	2.61
1970	0.13	0.07	0.07	0.28	0.25	0.51	0.81	0.60	0.21	0.26	0.38	0.26	3.83
1971	0.35	0.35	0.69	0.44	0.45	0.57	0.61	-0.32	0.08	0.08	0.25	0.11	3.66
1972	0.24	0.32	0.60	0.65	0.22	0.44	0.67	0.08	0.05	-0.01	0.20	0.24	3.70

Table C-23
E.V. Spence Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.14	0.13	0.47	0.43	0.52	0.33	0.91	0.57	0.75	0.58	0.10	0.23	5.16
1973	-0.01	0.01	0.32	0.26	0.50	0.42	0.36	0.63	0.07	0.17	0.28	0.30	3.31
1974	0.17	0.36	0.45	0.53	0.41	0.69	0.67	0.07	-0.26	-0.15	0.12	0.06	3.12
1975	0.14	0.10	0.37	0.45	0.02	0.41	0.31	0.47	0.26	0.35	0.13	0.17	3.18
1976	0.21	0.35	0.42	0.13	0.31	0.60	-0.03	0.51	0.05	-0.13	0.12	0.17	2.71
1977	0.06	0.20	0.30	0.10	0.23	0.52	0.63	0.50	0.56	0.30	0.26	0.26	3.92
1978	0.09	0.03	0.38	0.54	0.21	0.53	0.79	0.38	0.09	0.32	0.07	0.20	3.63
1979	0.09	0.10	0.13	0.35	0.31	0.32	0.52	0.40	0.54	0.53	0.23	-0.03	3.49
1980	0.08	0.16	0.36	0.55	0.09	0.43	0.95	0.59	-0.49	0.34	0.08	0.04	3.18
1981	0.09	0.12	0.15	0.01	0.16	0.35	0.59	0.43	0.33	-0.28	0.28	0.25	2.48
1982	0.14	0.13	0.27	0.37	-0.24	0.08	0.52	0.53	0.47	0.36	0.19	0.08	2.90
1983	-0.04	0.14	0.28	0.46	0.37	0.35	0.61	0.63	0.57	0.04	0.15	0.12	3.68
1984	0.09	0.31	0.34	0.61	0.53	0.58	0.64	0.53	0.34	-0.03	0.08	-0.14	3.88
1985	0.16	0.04	0.17	0.36	0.21	0.29	0.41	0.67	0.21	0.05	0.14	0.13	2.84
1986	0.31	0.17	0.48	0.47	0.09	0.16	0.58	0.21	0.06	-0.30	0.08	-0.07	2.24
1987	0.13	-0.13	0.15	0.36	-0.15	0.17	0.51	0.44	0.16	0.33	0.22	0.00	2.19
1988	0.15	0.18	0.43	0.44	0.32	0.41	0.37	0.56	0.18	0.42	0.37	0.13	3.96
1989	0.14	-0.09	0.27	0.44	0.41	0.26	0.68	0.52	0.30	0.41	0.32	0.13	3.79
1990	0.14	0.05	0.14	0.06	0.29	0.69	0.25	0.33	-0.05	0.19	0.07	0.14	2.30
1991	-0.06	0.22	0.41	0.48	0.42	0.15	0.53	0.36	0.00	0.33	0.24	-0.24	2.84
1992	-0.03	-0.12	0.27	0.23	0.11	0.06	0.47	0.35	0.44	0.37	0.20	0.12	2.47
1993	0.11	0.11	0.25	0.37	0.37	0.45	0.75	0.61	0.33	0.31	0.24	0.19	4.09
1994	0.06	0.12	0.35	0.37	0.01	0.61	0.83	0.75	0.26	0.22	0.14	0.09	3.81
1995	0.00	0.00	0.23	0.26	0.10	0.33	0.62	0.30	0.19	0.42	0.21	0.20	2.86
1996	0.23	0.32	0.37	0.32	0.50	0.48	0.60	0.06	0.10	0.37	0.26	0.27	3.88
Average	0.13	0.15	0.33	0.37	0.29	0.49	0.63	0.55	0.31	0.26	0.22	0.14	3.88

Table C-24
O.C. Fisher Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.04	0.13	0.12	0.20	0.24	0.37	0.62	0.46	0.34	-0.06	0.29	0.31	3.07
1942	0.21	0.25	0.52	0.31	0.51	0.65	0.76	0.02	0.30	0.19	0.38	0.17	4.27
1943	0.25	0.40	0.29	0.63	0.49	0.74	0.81	0.98	0.32	0.45	0.25	-0.06	5.54
1944	0.02	0.07	0.44	0.67	0.43	0.87	0.90	0.68	0.32	0.31	0.23	0.00	4.94
1945	0.19	0.22	0.38	0.38	0.89	0.87	0.25	0.83	0.70	0.08	0.41	0.31	5.50
1946	-0.04	0.28	0.34	0.50	0.57	0.68	1.08	1.11	0.39	0.46	0.21	-0.09	5.48
1947	0.17	0.26	0.04	0.40	0.16	0.67	0.99	0.93	0.84	0.57	0.25	0.12	5.38
1948	0.19	0.05	0.37	0.55	0.59	0.72	0.55	1.12	0.68	0.41	0.48	0.34	6.04
1949	0.09	-0.04	0.21	-0.05	0.13	0.51	0.82	0.76	0.39	0.15	0.41	0.11	3.48
1950	0.22	0.24	0.44	0.42	0.30	0.70	0.61	0.85	0.30	0.59	0.56	0.20	5.43
1951	0.31	0.19	0.25	0.41	0.40	0.38	0.72	0.66	0.63	0.47	0.28	0.31	5.00
1952	0.29	0.36	0.39	0.42	0.52	0.91	0.83	1.12	0.58	0.72	0.22	0.20	6.56
1953	0.36	0.28	0.16	0.51	0.53	0.90	0.79	0.54	0.85	0.46	0.29	0.32	5.99
1954	0.18	0.45	0.43	0.23	0.35	0.64	0.93	0.86	0.74	0.50	0.34	0.29	5.93
1955	0.13	0.15	0.53	0.78	0.51	0.74	0.61	0.56	0.53	0.55	0.36	0.30	5.74
1956	0.19	0.33	0.61	0.49	0.55	0.94	0.96	0.92	0.69	0.38	0.36	0.26	6.68
1957	0.22	0.07	0.47	0.15	-0.22	0.50	0.89	0.94	0.34	-0.04	0.08	0.24	3.64
1958	-0.05	-0.14	0.03	0.16	0.18	0.62	0.83	0.50	-0.05	0.07	0.18	0.20	2.53
1959	0.17	0.10	0.48	0.29	0.28	0.10	0.09	0.64	0.37	-0.12	0.10	0.06	2.56
1960	0.00	0.16	0.27	0.38	0.35	0.68	0.51	0.54	0.57	0.14	0.21	-0.07	3.74
1961	-0.14	0.04	0.31	0.53	0.24	0.07	0.36	0.61	0.19	0.11	0.06	0.16	2.53
1962	0.19	0.36	0.42	0.40	0.76	0.65	0.63	0.81	0.37	0.35	0.22	0.13	5.29
1963	0.24	0.22	0.62	0.54	0.19	0.37	0.93	0.57	0.42	0.47	0.19	0.12	4.87
1964	0.20	0.14	0.45	0.49	0.51	0.82	0.89	0.72	0.12	0.39	0.18	0.25	5.14
1965	0.23	-0.01	0.36	0.56	0.04	0.51	0.90	0.58	0.50	0.30	0.28	0.14	4.39
1966	0.12	0.21	0.48	0.32	0.33	0.69	0.91	0.21	0.06	0.25	0.40	0.31	4.28
1967	0.33	0.35	0.51	0.60	0.53	0.71	0.59	0.61	-0.13	0.42	0.05	0.06	4.62
1968	-0.10	0.04	0.10	0.12	0.25	0.30	0.46	0.68	0.34	0.47	0.04	0.24	2.94
1969	0.27	0.15	0.21	0.14	0.14	0.67	0.94	0.44	0.07	-0.03	0.08	-0.02	3.05
1970	0.15	0.08	0.06	0.31	0.28	0.58	0.88	0.68	0.18	0.27	0.39	0.29	4.16
1971	0.36	0.36	0.72	0.41	0.60	0.49	0.70	-0.24	0.09	0.07	0.25	0.13	3.95
1972	0.25	0.33	0.63	0.73	0.20	0.41	0.71	0.10	0.03	0.03	0.22	0.24	3.87
1973	0.01	0.04	0.41	0.27	0.53	0.42	0.42	0.64	0.04	0.12	0.26	0.26	3.42

Table C-24
O.C. Fisher Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.04	0.13	0.12	0.20	0.24	0.37	0.62	0.46	0.34	-0.06	0.29	0.31	3.07
1974	0.16	0.36	0.44	0.58	0.34	0.74	0.62	-0.06	-0.36	-0.18	0.09	0.06	2.77
1975	0.14	0.12	0.37	0.44	-0.04	0.38	0.38	0.52	0.32	0.30	0.12	0.18	3.23
1976	0.21	0.33	0.43	0.16	0.30	0.61	-0.06	0.54	0.02	-0.13	0.12	0.16	2.68
1977	0.08	0.21	0.31	0.10	0.22	0.52	0.70	0.63	0.58	0.29	0.25	0.26	4.13
1978	0.10	0.03	0.37	0.55	0.25	0.55	0.83	0.28	0.20	0.35	0.05	0.21	3.77
1979	0.10	0.08	0.17	0.34	0.41	0.34	0.58	0.42	0.56	0.55	0.24	-0.05	3.73
1980	0.07	0.15	0.36	0.57	0.08	0.41	0.91	0.59	-0.49	0.35	0.06	0.04	3.10
1981	0.08	0.13	0.11	0.06	0.13	0.35	0.63	0.44	0.29	-0.33	0.28	0.26	2.42
1982	0.15	0.10	0.26	0.37	-0.12	0.15	0.54	0.56	0.48	0.36	0.16	0.07	3.06
1983	-0.03	0.13	0.29	0.48	0.47	0.28	0.61	0.62	0.59	0.09	0.16	0.14	3.81
1984	0.06	0.33	0.32	0.66	0.56	0.59	0.66	0.63	0.31	-0.06	0.13	-0.17	4.01
1985	0.14	0.11	0.19	0.44	0.26	0.29	0.44	0.71	0.24	0.07	0.12	0.14	3.16
1986	0.29	0.13	0.49	0.53	0.08	0.14	0.64	0.21	0.12	-0.29	0.05	-0.10	2.31
1987	0.14	-0.16	0.11	0.34	-0.18	0.13	0.49	0.42	0.12	0.30	0.20	0.00	1.90
1988	0.16	0.17	0.43	0.46	0.33	0.46	0.33	0.57	0.25	0.44	0.36	0.10	4.05
1989	0.13	-0.11	0.23	0.45	0.40	0.31	0.72	0.54	0.30	0.41	0.29	0.12	3.80
1990	0.15	0.05	0.17	0.07	0.25	0.71	0.20	0.34	-0.04	0.15	0.05	0.18	2.28
1991	-0.07	0.19	0.40	0.45	0.45	0.17	0.57	0.37	-0.07	0.29	0.23	-0.30	2.68
1992	-0.04	-0.19	0.22	0.20	0.20	0.06	0.49	0.32	0.47	0.35	0.20	0.12	2.40
1993	0.12	0.12	0.26	0.36	0.35	0.47	0.73	0.59	0.32	0.31	0.25	0.19	4.05
1994	0.02	0.11	0.35	0.35	-0.01	0.49	0.84	0.74	0.26	0.18	0.10	0.07	3.49
1995	0.00	0.00	0.21	0.23	0.13	0.29	0.63	0.36	0.21	0.41	0.17	0.17	2.79
1996	0.23	0.30	0.36	0.32	0.46	0.50	0.64	0.09	0.10	0.35	0.27	0.24	3.84
Average	0.14	0.16	0.34	0.39	0.31	0.51	0.66	0.57	0.30	0.25	0.22	0.14	3.99

Table C-25
Lake Nasworthy Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.14	0.14	0.47	0.38	0.5	0.25	0.9	0.59	0.76	0.57	0.12	0.24	5.06
1942	0.05	0.13	0.11	0.19	0.26	0.37	0.6	0.48	0.34	-0.04	0.3	0.3	3.09
1943	0.22	0.25	0.51	0.29	0.51	0.64	0.75	0.08	0.31	0.18	0.39	0.17	4.3
1944	0.25	0.4	0.3	0.62	0.46	0.71	0.8	0.99	0.32	0.45	0.25	-0.06	5.49
1945	0.02	0.07	0.43	0.65	0.43	0.86	0.91	0.69	0.34	0.33	0.23	0.01	4.97
1946	0.18	0.21	0.36	0.38	0.87	0.86	0.34	0.84	0.71	0.1	0.42	0.31	5.58
1947	-0.03	0.28	0.34	0.48	0.53	0.66	1.05	1.09	0.41	0.44	0.23	-0.07	5.41
1948	0.16	0.27	0.06	0.4	0.19	0.66	0.98	0.91	0.83	0.58	0.26	0.12	5.42
1949	0.2	0.06	0.37	0.54	0.58	0.7	0.57	1.11	0.67	0.41	0.48	0.33	6.02
1950	0.08	-0.05	0.23	-0.03	0.14	0.49	0.81	0.73	0.4	0.18	0.41	0.11	3.5
1951	0.22	0.24	0.44	0.41	0.3	0.69	0.6	0.85	0.3	0.59	0.55	0.21	5.4
1952	0.3	0.19	0.26	0.41	0.4	0.39	0.74	0.69	0.65	0.48	0.29	0.32	5.12
1953	0.27	0.35	0.39	0.41	0.49	0.88	0.83	1.11	0.6	0.73	0.23	0.2	6.49
1954	0.36	0.28	0.17	0.5	0.54	0.95	0.82	0.56	0.82	0.44	0.3	0.32	6.06
1955	0.18	0.44	0.43	0.22	0.35	0.57	0.9	0.84	0.71	0.47	0.34	0.29	5.74
1956	0.12	0.15	0.51	0.76	0.47	0.68	0.59	0.53	0.49	0.54	0.34	0.29	5.47
1957	0.18	0.31	0.57	0.47	0.52	0.9	0.93	0.89	0.65	0.37	0.35	0.26	6.4
1958	0.21	0.07	0.47	0.26	0.06	0.52	0.9	0.94	0.35	-0.05	0.07	0.24	4.04
1959	-0.04	-0.14	0.04	0.17	0.19	0.63	0.84	0.5	-0.05	0.07	0.18	0.2	2.59
1960	0.17	0.1	0.46	0.29	0.28	0.1	0.1	0.63	0.4	-0.01	0.11	0.06	2.69
1961	0.01	0.16	0.27	0.38	0.36	0.68	0.51	0.51	0.56	0.14	0.21	-0.06	3.73
1962	-0.13	0.05	0.31	0.54	0.26	0.08	0.36	0.6	0.22	0.15	0.07	0.17	2.68
1963	0.19	0.36	0.43	0.4	0.76	0.63	0.65	0.81	0.36	0.35	0.22	0.14	5.3
1964	0.24	0.22	0.62	0.54	0.19	0.39	0.93	0.6	0.43	0.47	0.18	0.12	4.93
1965	0.19	0.14	0.45	0.49	0.51	0.82	0.88	0.71	0.14	0.39	0.19	0.25	5.16
1966	0.22	-0.01	0.36	0.55	0.04	0.51	0.9	0.59	0.51	0.31	0.28	0.14	4.4
1967	0.12	0.2	0.47	0.31	0.32	0.68	0.9	0.22	0.07	0.27	0.39	0.31	4.26
1968	0.33	0.35	0.5	0.58	0.54	0.72	0.6	0.61	-0.11	0.41	0.05	0.06	4.64
1969	-0.1	0.05	0.1	0.11	0.24	0.32	0.46	0.69	0.33	0.47	0.05	0.24	2.96
1970	0.26	0.15	0.22	0.14	0.16	0.66	0.9	0.44	0.08	-0.05	0.08	-0.01	3.03
1971	0.15	0.08	0.08	0.31	0.26	0.56	0.86	0.66	0.18	0.27	0.39	0.29	4.09
1972	0.36	0.35	0.71	0.42	0.62	0.49	0.66	-0.19	0.12	0.07	0.26	0.13	4
1973	0.25	0.33	0.62	0.72	0.2	0.42	0.71	0.08	0.05	0.04	0.22	0.25	3.89

Table C-25
Lake Nasworthy Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.14	0.14	0.47	0.38	0.5	0.25	0.9	0.59	0.76	0.57	0.12	0.24	5.06
1974	0.02	0.04	0.4	0.28	0.53	0.41	0.41	0.64	0.05	0.13	0.26	0.27	3.44
1975	0.16	0.36	0.42	0.58	0.34	0.74	0.64	-0.06	-0.32	-0.1	0.13	0.09	2.98
1976	0.17	0.14	0.39	0.44	-0.01	0.39	0.38	0.53	0.33	0.32	0.14	0.18	3.4
1977	0.22	0.33	0.43	0.17	0.29	0.6	-0.06	0.54	0.02	-0.12	0.14	0.17	2.73
1978	0.09	0.22	0.31	0.12	0.23	0.54	0.7	0.62	0.58	0.29	0.24	0.26	4.2
1979	0.1	0.04	0.38	0.54	0.27	0.53	0.82	0.28	0.18	0.34	0.04	0.2	3.72
1980	0.11	0.08	0.18	0.33	0.4	0.32	0.56	0.42	0.56	0.55	0.24	-0.04	3.71
1981	0.07	0.16	0.36	0.57	0.1	0.43	0.9	0.6	-0.4	0.36	0.08	0.05	3.28
1982	0.09	0.14	0.11	0.06	0.15	0.33	0.63	0.42	0.31	-0.3	0.28	0.27	2.49
1983	0.15	0.1	0.26	0.37	-0.1	0.17	0.55	0.55	0.48	0.36	0.15	0.06	3.1
1984	-0.01	0.13	0.28	0.47	0.46	0.26	0.61	0.6	0.57	0.09	0.16	0.14	3.76
1985	0.06	0.32	0.32	0.65	0.55	0.59	0.65	0.64	0.32	-0.06	0.12	-0.17	3.99
1986	0.14	0.11	0.18	0.42	0.25	0.3	0.43	0.72	0.24	0.08	0.13	0.15	3.15
1987	0.29	0.14	0.49	0.53	0.1	0.17	0.65	0.23	0.15	-0.28	0.06	-0.09	2.44
1988	0.15	-0.14	0.13	0.34	-0.14	0.14	0.5	0.43	0.14	0.31	0.2	0.01	2.07
1989	0.17	0.18	0.43	0.47	0.33	0.46	0.31	0.56	0.24	0.43	0.35	0.11	4.04
1990	0.13	-0.11	0.23	0.46	0.4	0.34	0.72	0.55	0.32	0.39	0.28	0.12	3.83
1991	0.15	0.05	0.17	0.08	0.24	0.72	0.16	0.34	0.03	0.16	0.07	0.19	2.36
1992	-0.06	0.19	0.4	0.44	0.47	0.21	0.58	0.4	-0.06	0.31	0.23	-0.26	2.85
1993	-0.03	-0.16	0.24	0.22	0.19	0.09	0.5	0.33	0.48	0.37	0.2	0.12	2.55
1994	0.16	0.13	0.26	0.35	0.36	0.46	0.73	0.6	0.32	0.32	0.25	0.21	4.15
1995	0.03	0.11	0.35	0.36	0.03	0.5	0.83	0.73	0.27	0.18	0.09	0.06	3.54
1996	0	0	0.21	0.24	0.1	0.31	0.62	0.38	0.21	0.41	0.16	0.17	2.81
1997	0.23	0.29	0.36	0.34	0.45	0.51	0.64	0.19	0.11	0.35	0.27	0.24	3.98
Average	0.14	0.16	0.34	0.39	0.32	0.51	0.66	0.57	0.32	0.26	0.22	0.15	4.04

Table C-26
Lake Coleman Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.2	0.01	0.12	0.08	0	0.26	0.65	0.59	0.45	-0.09	0.38	0.19	2.84
1942	0.27	0.28	0.44	-0.11	0.28	0.5	0.8	0.55	0.29	0.04	0.42	0.09	3.85
1943	0.24	0.39	0.22	0.53	0.32	0.54	0.74	1.07	0.49	0.54	0.38	0.03	5.49
1944	-0.04	-0.01	0.26	0.51	0.1	0.73	0.82	0.87	0.62	0.38	0.21	0.11	4.56
1945	0.16	0.08	0.18	0.18	0.58	0.51	0.4	0.86	0.79	0.33	0.48	0.29	4.84
1946	0.04	0.21	0.36	0.41	0.22	0.61	1.05	1.01	0.3	0.44	0.25	0.11	5.01
1947	0.09	0.26	0.14	0.33	0.16	0.67	0.99	0.8	0.82	0.51	0.31	0.08	5.16
1948	0.16	0.09	0.36	0.47	0.47	0.61	0.71	0.93	0.71	0.48	0.48	0.32	5.79
1949	-0.08	0.06	0.24	0.01	0.11	0.44	0.76	0.64	0.55	0.21	0.48	0.17	3.59
1950	0.18	0.2	0.45	0.23	0.15	0.57	0.55	0.86	0.36	0.65	0.58	0.31	5.09
1951	0.31	0.15	0.32	0.37	0.14	0.27	0.78	0.87	0.74	0.55	0.35	0.31	5.16
1952	0.25	0.3	0.33	0.3	0.28	0.78	0.83	1.22	0.55	0.76	0.19	0.16	5.95
1953	0.3	0.22	0.19	0.31	0.32	0.85	0.58	0.59	0.77	0.23	0.28	0.31	4.95
1954	0.14	0.34	0.37	0.11	0.18	0.77	1.04	1.13	1	0.62	0.34	0.39	6.43
1955	0.14	0.16	0.39	0.39	0.14	0.39	0.79	0.78	0.52	0.67	0.49	0.32	5.18
1956	0.15	0.13	0.44	0.35	0.39	0.85	1.1	1.17	0.98	0.62	0.61	0.23	7.02
1957	0.23	-0.02	0.28	-0.22	-0.4	0.41	0.96	1.08	0.59	0.17	0.03	0.29	3.4
1958	0.05	0.03	0.04	0.15	0.17	0.59	0.8	0.78	0.21	0.24	0.3	0.24	3.6
1959	0.22	0.11	0.49	0.37	0.26	0.18	0.37	0.84	0.66	-0.01	0.27	0.08	3.84
1960	-0.04	0.14	0.29	0.3	0.43	0.78	0.6	0.65	0.7	0.25	0.42	-0.07	4.45
1961	-0.13	0.09	0.35	0.54	0.45	-0.01	0.48	0.8	0.37	0.34	0.15	0.18	3.61
1962	0.22	0.3	0.31	0.21	0.67	0.2	0.59	0.93	0.25	0.37	0.28	0.18	4.51
1963	0.18	0.21	0.41	0.34	0.08	0.41	0.98	0.77	0.59	0.58	0.15	0.17	4.87
1964	0.14	0.6	0.3	0.35	0.44	0.66	0.51	0.71	0.24	0.44	0.15	0.27	4.81
1965	0.17	0.03	0.29	0.28	-0.2	0.36	0.95	0.78	0.64	0.31	0.25	0.11	3.97
1966	0.09	0.13	0.38	0.05	0.37	0.61	0.85	0.35	0.1	0.44	0.44	0.32	4.13
1967	0.32	0.28	0.4	0.45	0.35	0.66	0.58	0.71	-0.05	0.44	0.09	0.09	4.32
1968	-0.33	0.04	0.12	0.17	0.23	0.35	0.5	0.78	0.56	0.58	0.11	0.29	3.4
1969	0.23	0.12	0.11	0.2	0.13	0.44	0.83	0.54	0.12	0.19	0.24	0.03	3.18
1970	0.1	0.02	0.03	0.16	0.2	0.58	0.88	0.7	0.43	0.32	0.45	0.34	4.21
1971	0.32	0.28	0.51	0.38	0.52	0.62	0.72	0.18	0.3	0.2	0.27	0.08	4.38
1972	0.19	0.25	0.46	0.41	0.3	0.5	0.64	0.42	0.37	0.26	0.26	0.27	4.33
1973	-0.03	0.03	0.24	0.25	0.51	0.43	0.48	0.76	0.33	0.2	0.33	0.38	3.91

Table C-26
Lake Coleman Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.2	0.01	0.12	0.08	0	0.26	0.65	0.59	0.45	-0.09	0.38	0.19	2.84
1974	0.17	0.31	0.35	0.46	0.49	0.75	0.8	0.34	0.12	0.17	0.17	0.12	4.25
1975	0.15	0.09	0.27	0.31	0.2	0.5	0.48	0.64	0.41	0.47	0.25	0.17	3.94
1976	0.21	0.38	0.37	0.18	0.34	0.56	0.32	0.63	0.25	0.1	0.18	0.11	3.63
1977	0.02	0.26	0.27	0.16	0.33	0.61	0.77	0.67	0.79	0.45	0.27	0.32	4.92
1978	0.1	0.01	0.38	0.46	0.46	0.68	0.96	0.42	0.28	0.45	0.12	0.24	4.56
1979	0.07	0.07	0.17	0.23	0.31	0.37	0.63	0.52	0.68	0.7	0.26	0.02	4.03
1980	0.07	0.13	0.32	0.52	0.22	0.59	1.05	0.81	0.32	0.45	0.2	0.09	4.77
1981	0.13	0.13	0.15	0.22	0.31	0.39	0.77	0.63	0.51	0.11	0.31	0.24	3.9
1982	0.12	0.08	0.27	0.34	0.17	0.27	0.66	0.7	0.6	0.45	0.28	0.14	4.08
1983	-0.02	0.11	0.16	0.42	0.38	0.33	0.68	0.71	0.7	0.36	0.23	0.15	4.21
1984	0.14	0.2	0.28	0.6	0.67	0.68	0.71	0.71	0.57	0.12	0.2	0.03	4.91
1985	0.02	0.01	0.09	0.31	0.4	0.45	0.59	0.78	0.4	0.15	0.12	0.07	3.39
1986	0.28	0.16	0.38	0.39	0.24	0.25	0.7	0.54	0.3	0.07	0.08	-0.03	3.36
1987	0.11	-0.04	0.16	0.4	0.15	0.24	0.64	0.6	0.34	0.45	0.2	0.04	3.29
1988	0.19	0.18	0.35	0.4	0.44	0.41	0.47	0.69	0.45	0.45	0.39	0.16	4.58
1989	0.12	-0.06	0.23	0.39	0.36	0.33	0.64	0.61	0.4	0.44	0.43	0.17	4.06
1990	0.07	0.11	0.14	0.11	0.32	0.73	0.47	0.51	0.35	0.34	0.16	0.18	3.49
1991	0	0.19	0.4	0.37	0.34	0.34	0.65	0.42	0.13	0.32	0.27	-0.03	3.4
1992	-0.02	-0.05	0.18	0.23	0.17	0.33	0.54	0.59	0.46	0.48	0.13	0.08	3.12
1993	0.05	0.05	0.16	0.3	0.37	0.4	0.86	0.7	0.38	0.32	0.23	0.18	4
1994	0.09	0.08	0.35	0.32	0.14	0.68	0.47	0.79	0.2	0.23	0.1	0.04	3.49
1995	0.11	0.11	0.18	0.29	0.31	0.39	0.55	0.39	0.2	0.46	0.29	0.2	3.48
1996	0.22	0.25	0.29	0.38	0.43	0.39	0.49	0.2	0.09	0.21	0.06	0.24	3.25
Average	0.12	0.15	0.28	0.30	0.28	0.50	0.70	0.70	0.45	0.36	0.27	0.17	4.28

Table C-27
Twin Buttes Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.05	0.13	0.12	0.20	0.27	0.37	0.57	0.52	0.34	-0.03	0.29	0.25	3.08
1942	0.20	0.23	0.47	0.28	0.51	0.66	0.76	0.12	0.33	0.20	0.38	0.15	4.30
1943	0.25	0.38	0.30	0.60	0.44	0.72	0.78	1.00	0.37	0.45	0.25	-0.05	5.50
1944	0.04	0.07	0.43	0.63	0.47	0.86	0.90	0.68	0.35	0.34	0.22	0.01	5.01
1945	0.18	0.20	0.34	0.39	0.86	0.85	0.35	0.87	0.71	0.11	0.41	0.30	5.57
1946	-0.02	0.27	0.36	0.48	0.51	0.65	1.02	1.05	0.44	0.38	0.24	-0.04	5.34
1947	0.16	0.27	0.11	0.43	0.23	0.68	0.99	0.88	0.81	0.58	0.25	0.11	5.48
1948	0.20	0.06	0.38	0.55	0.59	0.74	0.60	1.09	0.69	0.41	0.46	0.32	6.09
1949	0.03	-0.02	0.26	0.01	0.18	0.52	0.79	0.68	0.41	0.18	0.42	0.12	3.59
1950	0.19	0.22	0.45	0.41	0.30	0.69	0.58	0.81	0.30	0.58	0.54	0.25	5.31
1951	0.29	0.19	0.27	0.42	0.41	0.42	0.76	0.72	0.65	0.49	0.29	0.32	5.23
1952	0.26	0.36	0.42	0.42	0.51	0.85	0.83	1.10	0.63	0.71	0.24	0.20	6.52
1953	0.37	0.28	0.20	0.52	0.59	0.96	0.85	0.61	0.79	0.42	0.32	0.30	6.23
1954	0.18	0.43	0.44	0.22	0.35	0.47	0.88	0.82	0.70	0.45	0.33	0.29	5.56
1955	0.12	0.16	0.50	0.73	0.46	0.66	0.58	0.51	0.47	0.52	0.33	0.28	5.32
1956	0.17	0.30	0.55	0.46	0.52	0.87	0.90	0.86	0.64	0.38	0.35	0.26	6.25
1957	0.21	0.07	0.46	0.28	0.10	0.52	0.88	0.91	0.37	-0.03	0.07	0.23	4.08
1958	-0.04	-0.12	0.06	0.19	0.20	0.61	0.81	0.49	-0.04	0.05	0.18	0.20	2.60
1959	0.17	0.10	0.45	0.30	0.27	0.15	0.13	0.62	0.42	0.00	0.11	0.07	2.81
1960	0.02	0.16	0.26	0.39	0.37	0.68	0.48	0.51	0.55	0.15	0.21	-0.05	3.74
1961	-0.10	0.06	0.31	0.53	0.29	0.12	0.36	0.58	0.25	0.16	0.08	0.16	2.79
1962	0.18	0.35	0.42	0.40	0.74	0.60	0.64	0.79	0.35	0.33	0.22	0.13	5.15
1963	0.24	0.22	0.60	0.53	0.20	0.40	0.92	0.61	0.45	0.48	0.18	0.12	4.96
1964	0.20	0.15	0.45	0.49	0.50	0.80	0.87	0.71	0.09	0.38	0.20	0.24	5.09
1965	0.23	0.00	0.35	0.54	0.06	0.51	0.90	0.59	0.51	0.31	0.28	0.14	4.43
1966	0.11	0.20	0.46	0.32	0.34	0.66	0.89	0.26	0.07	0.25	0.39	0.31	4.26
1967	0.33	0.34	0.50	0.57	0.58	0.71	0.63	0.62	-0.07	0.42	0.07	0.07	4.77
1968	-0.08	0.06	0.11	0.13	0.25	0.35	0.45	0.69	0.34	0.47	0.05	0.24	3.05
1969	0.24	0.15	0.23	0.15	0.15	0.66	0.80	0.39	0.13	-0.04	0.07	-0.01	2.93
1970	0.14	0.07	0.07	0.32	0.24	0.52	0.77	0.58	0.13	0.24	0.36	0.27	3.71
1971	0.35	0.35	0.71	0.48	0.61	0.50	0.66	-0.04	0.12	0.08	0.26	0.14	4.22
1972	0.25	0.33	0.61	0.72	0.20	0.44	0.70	0.10	0.06	0.06	0.22	0.25	3.93
1973	0.03	0.05	0.39	0.29	0.53	0.43	0.40	0.65	0.08	0.12	0.26	0.27	3.49

Table C-27
Twin Buttes Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.05	0.13	0.12	0.20	0.27	0.37	0.57	0.52	0.34	-0.03	0.29	0.25	3.08
1974	0.17	0.37	0.41	0.58	0.37	0.74	0.68	-0.02	-0.34	-0.09	0.13	0.09	3.08
1975	0.18	0.14	0.40	0.45	0.07	0.42	0.38	0.49	0.29	0.33	0.16	0.19	3.48
1976	0.23	0.34	0.44	0.20	0.30	0.60	-0.05	0.55	0.02	-0.09	0.14	0.16	2.85
1977	0.09	0.23	0.32	0.14	0.28	0.56	0.70	0.62	0.59	0.30	0.25	0.28	4.35
1978	0.10	0.06	0.40	0.55	0.29	0.52	0.81	0.31	0.17	0.33	0.04	0.21	3.78
1979	0.11	0.09	0.19	0.35	0.40	0.32	0.55	0.43	0.56	0.56	0.25	-0.01	3.81
1980	0.09	0.17	0.38	0.58	0.14	0.46	0.91	0.60	-0.35	0.36	0.08	0.07	3.50
1981	0.09	0.15	0.14	0.05	0.16	0.34	0.64	0.43	0.34	-0.23	0.29	0.27	2.68
1982	0.15	0.11	0.29	0.40	-0.04	0.22	0.57	0.56	0.49	0.38	0.17	0.06	3.35
1983	0.01	0.14	0.30	0.49	0.48	0.31	0.64	0.61	0.58	0.09	0.18	0.14	3.97
1984	0.07	0.33	0.34	0.65	0.55	0.59	0.67	0.65	0.34	-0.03	0.12	-0.14	4.14
1985	0.13	0.10	0.21	0.43	0.29	0.33	0.46	0.73	0.24	0.10	0.14	0.12	3.26
1986	0.28	0.16	0.51	0.53	0.13	0.17	0.66	0.25	0.17	-0.29	0.08	-0.09	2.55
1987	0.16	-0.10	0.14	0.35	-0.10	0.15	0.52	0.45	0.16	0.33	0.21	0.04	2.31
1988	0.18	0.19	0.44	0.49	0.32	0.47	0.30	0.56	0.22	0.43	0.36	0.12	4.07
1989	0.13	-0.09	0.25	0.47	0.42	0.39	0.74	0.56	0.36	0.40	0.29	0.14	4.07
1990	0.16	0.07	0.18	0.10	0.26	0.74	0.17	0.35	-0.03	0.16	0.08	0.19	2.41
1991	-0.05	0.20	0.40	0.43	0.49	0.25	0.57	0.41	-0.04	0.35	0.24	-0.21	3.03
1992	-0.02	-0.12	0.25	0.24	0.14	0.13	0.49	0.33	0.49	0.38	0.21	0.13	2.65
1993	0.15	0.16	0.27	0.38	0.39	0.49	0.73	0.62	0.36	0.35	0.26	0.22	4.39
1994	0.04	0.12	0.35	0.37	0.08	0.55	0.84	0.75	0.30	0.23	0.12	0.08	3.84
1995	0.00	0.00	0.22	0.26	0.11	0.34	0.63	0.41	0.21	0.41	0.17	0.17	2.91
1996	0.24	0.30	0.37	0.36	0.47	0.54	0.67	0.13	0.10	0.37	0.27	0.24	4.06
Average	0.14	0.16	0.34	0.40	0.34	0.52	0.66	0.57	0.32	0.26	0.23	0.15	4.09

Table C-28
Colorado City Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.07	0.12	0.18	0.29	0.18	0.32	0.50	0.57	0.37	-0.04	0.28	0.18	3.02
1942	0.16	0.23	0.42	0.22	0.55	0.68	0.78	0.28	0.33	0.22	0.40	0.11	4.38
1943	0.24	0.33	0.33	0.50	0.35	0.76	0.67	1.02	0.60	0.53	0.26	0.05	5.64
1944	0.03	0.08	0.40	0.58	0.54	0.83	0.64	0.62	0.33	0.29	0.19	-0.02	4.51
1945	0.11	0.20	0.36	0.41	0.83	0.85	0.24	0.73	0.63	0.06	0.42	0.24	5.08
1946	0.00	0.28	0.37	0.52	0.58	0.71	1.06	1.07	0.49	0.36	0.26	-0.04	5.66
1947	0.26	0.24	0.12	0.42	0.18	0.68	0.94	0.90	0.80	0.50	0.21	0.11	5.36
1948	0.19	0.07	0.41	0.60	0.55	0.73	0.68	1.05	0.73	0.34	0.45	0.32	6.12
1949	0.02	0.09	0.28	0.09	0.18	0.49	0.78	0.73	0.39	0.25	0.41	0.15	3.86
1950	0.16	0.20	0.38	0.32	0.16	0.60	0.46	0.70	0.20	0.52	0.47	0.21	4.38
1951	0.30	0.22	0.26	0.42	0.40	0.47	0.72	0.76	0.65	0.45	0.28	0.31	5.24
1952	0.29	0.36	0.43	0.47	0.57	0.90	0.80	1.09	0.58	0.72	0.20	0.18	6.59
1953	0.35	0.24	0.24	0.47	0.56	0.90	0.77	0.63	0.80	0.43	0.27	0.29	5.95
1954	0.15	0.38	0.41	0.19	0.19	0.58	0.80	0.67	0.68	0.40	0.30	0.23	4.98
1955	0.09	0.16	0.44	0.62	0.31	0.57	0.56	0.57	0.41	0.40	0.34	0.24	4.71
1956	0.14	0.25	0.56	0.39	0.42	0.73	0.76	0.80	0.68	0.39	0.34	0.18	5.64
1957	0.15	0.04	0.36	0.12	-0.04	0.34	0.68	0.68	0.32	0.03	0.02	0.23	2.93
1958	0.02	0.02	0.05	0.18	0.17	0.55	0.73	0.45	0.11	0.05	0.18	0.20	2.71
1959	0.15	0.11	0.42	0.38	0.27	0.24	0.18	0.59	0.54	0.01	0.17	0.01	3.07
1960	0.02	0.14	0.27	0.42	0.37	0.71	0.36	0.56	0.54	0.14	0.27	-0.05	3.75
1961	-0.06	0.07	0.30	0.56	0.36	0.13	0.20	0.58	0.30	0.32	-0.01	0.08	2.83
1962	0.12	0.28	0.33	0.36	0.66	0.43	0.45	0.67	0.00	0.26	0.22	0.09	3.87
1963	0.17	0.17	0.45	0.35	0.16	0.32	0.74	0.56	0.38	0.43	0.14	0.07	3.94
1964	0.15	0.09	0.34	0.45	0.35	0.60	0.75	0.65	0.22	0.38	0.19	0.21	4.38
1965	0.24	0.05	0.31	0.49	0.04	0.46	0.86	0.54	0.45	0.28	0.27	0.13	4.12
1966	0.06	0.14	0.47	0.22	0.39	0.61	0.82	0.25	0.04	0.27	0.37	0.27	3.91
1967	0.33	0.33	0.48	0.55	0.52	0.51	0.54	0.63	0.04	0.39	0.13	0.07	4.52
1968	-0.09	0.04	0.08	0.18	0.24	0.37	0.47	0.64	0.37	0.44	0.02	0.22	2.98
1969	0.18	0.11	0.16	0.22	-0.04	0.45	0.73	0.40	0.09	-0.07	0.12	-0.03	2.32
1970	0.12	0.06	0.04	0.31	0.22	0.44	0.67	0.48	0.22	0.21	0.34	0.23	3.34
1971	0.35	0.35	0.68	0.49	0.39	0.63	0.57	-0.22	0.09	0.13	0.25	0.09	3.8
1972	0.24	0.33	0.60	0.67	0.24	0.48	0.63	0.06	0.07	-0.01	0.18	0.24	3.73
1973	-0.01	0.01	0.27	0.24	0.50	0.44	0.33	0.66	0.12	0.23	0.28	0.33	3.4

Table C-28
Colorado City Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.07	0.12	0.18	0.29	0.18	0.32	0.50	0.57	0.37	-0.04	0.28	0.18	3.02
1974	0.17	0.38	0.47	0.54	0.50	0.71	0.75	0.19	-0.27	-0.09	0.13	0.10	3.58
1975	0.17	0.10	0.41	0.48	0.09	0.41	0.26	0.41	0.18	0.39	0.14	0.16	3.2
1976	0.23	0.37	0.44	0.20	0.35	0.61	0.01	0.56	0.05	-0.02	0.15	0.19	3.14
1977	0.07	0.21	0.33	0.17	0.30	0.52	0.64	0.50	0.60	0.36	0.30	0.31	4.31
1978	0.09	0.05	0.43	0.60	0.25	0.54	0.75	0.48	0.07	0.30	0.06	0.20	3.82
1979	0.09	0.15	0.18	0.41	0.30	0.39	0.48	0.42	0.55	0.56	0.25	0.01	3.79
1980	0.09	0.18	0.44	0.56	0.14	0.51	0.97	0.65	-0.29	0.41	0.12	0.06	3.84
1981	0.10	0.13	0.22	0.11	0.18	0.39	0.61	0.43	0.37	-0.14	0.29	0.26	2.95
1982	0.13	0.14	0.35	0.42	-0.08	0.15	0.55	0.53	0.51	0.40	0.19	0.00	3.29
1983	-0.02	0.17	0.33	0.50	0.41	0.49	0.71	0.71	0.61	0.07	0.19	0.09	4.26
1984	0.14	0.31	0.39	0.64	0.54	0.59	0.67	0.48	0.40	0.02	0.08	-0.07	4.19
1985	0.16	0.02	0.21	0.37	0.26	0.37	0.50	0.71	0.22	0.03	0.20	0.07	3.12
1986	0.32	0.23	0.52	0.51	0.22	0.16	0.64	0.26	0.04	-0.18	0.14	-0.06	2.8
1987	0.14	-0.04	0.22	0.43	-0.10	0.25	0.58	0.52	0.22	0.41	0.26	0.06	2.95
1988	0.16	0.17	0.42	0.49	0.30	0.42	0.33	0.56	0.13	0.43	0.40	0.17	3.98
1989	0.16	-0.01	0.34	0.49	0.47	0.37	0.71	0.53	0.36	0.46	0.37	0.17	4.42
1990	0.14	0.07	0.14	0.08	0.37	0.71	0.29	0.29	0.00	0.21	0.09	0.14	2.53
1991	-0.02	0.28	0.44	0.54	0.52	0.29	0.47	0.37	0.03	0.45	0.26	-0.12	3.51
1992	0.01	0.02	0.34	0.27	0.05	0.17	0.51	0.36	0.45	0.42	0.23	0.17	3
1993	0.11	0.15	0.30	0.42	0.42	0.51	0.80	0.70	0.45	0.37	0.28	0.25	4.76
1994	0.13	0.17	0.39	0.44	0.11	0.76	0.90	0.84	0.34	0.35	0.19	0.16	4.78
1995	0.00	0.00	0.29	0.36	0.11	0.38	0.65	0.39	0.17	0.43	0.26	0.22	3.26
1996	0.27	0.39	0.45	0.44	0.61	0.54	0.70	0.11	0.18	0.42	0.29	0.33	4.73
Average	0.13	0.17	0.34	0.40	0.32	0.51	0.61	0.56	0.32	0.27	0.23	0.14	4.02

Table C-29
Champion Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.07	0.11	0.18	0.28	0.17	0.30	0.50	0.57	0.37	-0.05	0.28	0.18	2.96
1942	0.16	0.23	0.42	0.22	0.55	0.68	0.78	0.30	0.31	0.22	0.40	0.11	4.38
1943	0.24	0.33	0.33	0.50	0.34	0.76	0.68	1.02	0.60	0.53	0.26	0.04	5.63
1944	0.03	0.08	0.40	0.59	0.54	0.84	0.63	0.61	0.33	0.29	0.19	-0.02	4.51
1945	0.11	0.20	0.35	0.40	0.83	0.84	0.26	0.73	0.63	0.06	0.42	0.24	5.07
1946	0.00	0.28	0.37	0.52	0.57	0.71	1.06	1.07	0.49	0.37	0.25	-0.05	5.64
1947	0.26	0.24	0.11	0.42	0.14	0.67	0.94	0.90	0.79	0.54	0.20	0.10	5.31
1948	0.19	0.06	0.41	0.60	0.59	0.74	0.59	1.05	0.73	0.34	0.46	0.32	6.08
1949	0.03	0.09	0.29	0.08	0.20	0.50	0.78	0.73	0.40	0.26	0.41	0.15	3.92
1950	0.17	0.20	0.38	0.32	0.11	0.59	0.47	0.70	0.18	0.52	0.48	0.21	4.33
1951	0.30	0.22	0.26	0.42	0.45	0.48	0.72	0.76	0.65	0.45	0.28	0.31	5.3
1952	0.29	0.36	0.43	0.46	0.57	0.90	0.80	1.09	0.55	0.72	0.20	0.19	6.56
1953	0.35	0.24	0.24	0.47	0.56	0.90	0.77	0.62	0.80	0.42	0.27	0.29	5.93
1954	0.15	0.38	0.41	0.17	0.19	0.58	0.81	0.69	0.69	0.41	0.30	0.23	5.01
1955	0.08	0.15	0.45	0.62	0.34	0.56	0.57	0.57	0.42	0.38	0.34	0.24	4.72
1956	0.14	0.25	0.56	0.40	0.42	0.74	0.75	0.80	0.68	0.39	0.34	0.17	5.64
1957	0.16	0.04	0.35	0.16	-0.08	0.38	0.68	0.69	0.35	0.03	0.01	0.22	2.99
1958	0.02	0.01	0.05	0.17	0.16	0.55	0.74	0.46	0.11	0.06	0.18	0.20	2.71
1959	0.14	0.11	0.43	0.38	0.26	0.24	0.17	0.59	0.54	0.00	0.17	0.01	3.04
1960	0.02	0.14	0.27	0.41	0.36	0.70	0.34	0.55	0.53	0.13	0.27	-0.06	3.66
1961	-0.07	0.07	0.30	0.55	0.34	0.08	0.18	0.58	0.29	0.32	-0.02	0.08	2.7
1962	0.12	0.28	0.33	0.36	0.66	0.42	0.45	0.67	0.00	0.26	0.22	0.09	3.86
1963	0.17	0.17	0.45	0.35	0.16	0.32	0.73	0.56	0.38	0.44	0.14	0.07	3.94
1964	0.15	0.08	0.33	0.45	0.34	0.59	0.74	0.64	0.22	0.37	0.18	0.20	4.29
1965	0.23	0.05	0.30	0.48	0.04	0.45	0.85	0.54	0.45	0.27	0.27	0.12	4.05
1966	0.06	0.13	0.46	0.19	0.36	0.66	0.82	0.25	0.04	0.27	0.37	0.28	3.89
1967	0.33	0.33	0.48	0.54	0.52	0.51	0.53	0.63	0.03	0.38	0.13	0.08	4.49
1968	-0.10	0.03	0.08	0.18	0.24	0.37	0.47	0.64	0.38	0.45	0.02	0.22	2.98
1969	0.18	0.11	0.16	0.22	-0.04	0.45	0.74	0.40	0.07	-0.07	0.12	-0.04	2.3
1970	0.12	0.06	0.04	0.30	0.22	0.44	0.68	0.48	0.22	0.21	0.34	0.23	3.34
1971	0.35	0.35	0.68	0.49	0.42	0.65	0.59	-0.23	0.09	0.12	0.25	0.10	3.86
1972	0.24	0.32	0.59	0.65	0.24	0.48	0.63	0.05	0.07	-0.02	0.17	0.24	3.66
1973	-0.01	0.01	0.28	0.25	0.50	0.44	0.32	0.65	0.12	0.23	0.28	0.33	3.4

Table C-29
Champion Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.07	0.11	0.18	0.28	0.17	0.30	0.50	0.57	0.37	-0.05	0.28	0.18	2.96
1974	0.17	0.37	0.46	0.53	0.49	0.70	0.74	0.19	-0.26	-0.13	0.13	0.09	3.48
1975	0.16	0.10	0.41	0.48	0.09	0.42	0.28	0.40	0.18	0.39	0.14	0.16	3.21
1976	0.23	0.37	0.44	0.20	0.35	0.61	0.00	0.55	0.06	-0.04	0.15	0.19	3.11
1977	0.07	0.21	0.33	0.16	0.29	0.52	0.62	0.51	0.59	0.35	0.30	0.31	4.26
1978	0.09	0.05	0.42	0.58	0.26	0.54	0.75	0.48	0.05	0.30	0.06	0.20	3.78
1979	0.10	0.14	0.19	0.40	0.29	0.38	0.47	0.41	0.54	0.55	0.24	0.01	3.72
1980	0.09	0.18	0.43	0.55	0.13	0.51	0.97	0.64	-0.27	0.35	0.11	0.06	3.75
1981	0.10	0.13	0.22	0.08	0.18	0.39	0.60	0.43	0.37	-0.14	0.29	0.26	2.91
1982	0.13	0.15	0.34	0.42	-0.09	0.28	0.55	0.53	0.50	0.39	0.20	0.02	3.42
1983	-0.03	0.17	0.32	0.49	0.39	0.48	0.70	0.69	0.60	0.06	0.18	0.09	4.14
1984	0.13	0.31	0.39	0.63	0.54	0.58	0.66	0.47	0.39	0.01	0.07	-0.08	4.1
1985	0.16	0.03	0.20	0.37	0.24	0.35	0.50	0.70	0.21	0.03	0.19	0.08	3.06
1986	0.32	0.23	0.51	0.49	0.18	0.17	0.62	0.25	0.05	-0.21	0.14	-0.06	2.69
1987	0.14	-0.04	0.22	0.42	-0.10	0.25	0.57	0.51	0.21	0.41	0.26	0.05	2.9
1988	0.16	0.17	0.43	0.49	0.31	0.42	0.34	0.57	0.12	0.43	0.40	0.17	4.01
1989	0.16	-0.03	0.34	0.48	0.46	0.35	0.71	0.53	0.35	0.45	0.37	0.16	4.33
1990	0.14	0.07	0.14	0.08	0.36	0.70	0.29	0.30	-0.01	0.21	0.09	0.13	2.5
1991	-0.03	0.27	0.44	0.54	0.50	0.31	0.49	0.37	0.03	0.44	0.25	-0.14	3.47
1992	0.00	-0.01	0.35	0.27	-0.01	0.12	0.50	0.36	0.44	0.42	0.23	0.16	2.83
1993	0.11	0.15	0.30	0.41	0.42	0.49	0.79	0.68	0.43	0.36	0.27	0.24	4.65
1994	0.12	0.17	0.38	0.43	0.11	0.75	0.89	0.83	0.33	0.34	0.19	0.15	4.69
1995	0.00	0.00	0.29	0.45	0.11	0.38	0.65	0.38	0.17	0.44	0.26	0.22	3.35
1996	0.26	0.38	0.43	0.42	0.60	0.52	0.68	0.10	0.16	0.41	0.28	0.33	4.57
Average	0.13	0.17	0.34	0.39	0.31	0.51	0.61	0.56	0.32	0.27	0.23	0.14	3.98

Table C-30
Mountain Creek Lake Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.05	0.11	0.15	0.24	0.20	0.31	0.55	0.49	0.37	-0.08	0.29	0.25	2.93
1942	0.19	0.24	0.48	0.25	0.53	0.65	0.77	0.19	0.28	0.17	0.40	0.15	4.30
1943	0.25	0.37	0.30	0.56	0.40	0.74	0.75	0.99	0.46	0.50	0.26	0.00	5.58
1944	0.02	0.08	0.42	0.63	0.45	0.87	0.73	0.64	0.34	0.29	0.22	-0.01	4.68
1945	0.15	0.20	0.36	0.37	0.84	0.83	0.30	0.74	0.66	0.06	0.42	0.27	5.20
1946	-0.01	0.29	0.35	0.51	0.55	0.69	1.09	1.10	0.43	0.42	0.22	-0.09	5.55
1947	0.22	0.25	0.06	0.40	0.17	0.65	0.96	0.92	0.81	0.49	0.22	0.12	5.27
1948	0.20	0.04	0.38	0.57	0.58	0.72	0.66	1.09	0.71	0.36	0.48	0.34	6.13
1949	0.09	0.02	0.25	0.02	0.13	0.50	0.82	0.77	0.39	0.22	0.41	0.13	3.75
1950	0.21	0.23	0.41	0.35	0.18	0.64	0.54	0.78	0.26	0.55	0.53	0.19	4.87
1951	0.31	0.20	0.24	0.41	0.37	0.39	0.72	0.72	0.65	0.46	0.29	0.32	5.08
1952	0.30	0.36	0.40	0.43	0.52	0.92	0.82	1.12	0.53	0.73	0.22	0.20	6.55
1953	0.35	0.26	0.19	0.49	0.54	0.88	0.77	0.57	0.84	0.44	0.27	0.31	5.91
1954	0.16	0.42	0.42	0.19	0.22	0.62	0.87	0.79	0.73	0.49	0.31	0.26	5.48
1955	0.09	0.14	0.50	0.70	0.37	0.60	0.58	0.57	0.47	0.45	0.34	0.26	5.07
1956	0.15	0.29	0.58	0.44	0.44	0.82	0.85	0.87	0.70	0.38	0.35	0.18	6.05
1957	0.19	0.04	0.40	0.07	-0.21	0.38	0.77	0.82	0.34	0.11	0.03	0.23	3.17
1958	-0.01	-0.06	0.04	0.16	0.15	0.59	0.79	0.47	0.01	0.07	0.19	0.20	2.60
1959	0.14	0.09	0.45	0.33	0.26	0.15	0.12	0.60	0.46	-0.06	0.14	0.01	2.69
1960	0.01	0.14	0.27	0.38	0.33	0.68	0.42	0.50	0.54	0.13	0.25	-0.08	3.57
1961	-0.12	0.05	0.31	0.53	0.28	0.01	0.24	0.59	0.19	0.20	-0.01	0.10	2.37
1962	0.15	0.33	0.36	0.36	0.71	0.49	0.52	0.74	0.11	0.29	0.22	0.11	4.39
1963	0.19	0.19	0.53	0.43	0.16	0.35	0.81	0.56	0.39	0.44	0.16	0.09	4.30
1964	0.15	0.10	0.38	0.48	0.42	0.68	0.80	0.67	0.19	0.37	0.16	0.22	4.62
1965	0.22	0.02	0.32	0.49	-0.02	0.47	0.85	0.53	0.47	0.26	0.26	0.12	3.99
1966	0.07	0.14	0.45	0.21	0.33	0.61	0.84	0.22	0.03	0.27	0.37	0.29	3.83
1967	0.33	0.33	0.48	0.55	0.52	0.61	0.53	0.61	-0.06	0.38	0.08	0.08	4.44
1968	-0.11	0.02	0.10	0.16	0.24	0.33	0.47	0.65	0.38	0.46	0.02	0.24	2.96
1969	0.24	0.12	0.18	0.18	0.02	0.51	0.86	0.44	0.02	-0.03	0.10	-0.03	2.61
1970	0.13	0.07	0.07	0.28	0.25	0.51	0.81	0.60	0.21	0.26	0.38	0.26	3.83
1971	0.35	0.35	0.69	0.44	0.45	0.57	0.61	-0.32	0.08	0.08	0.25	0.11	3.66
1972	0.24	0.32	0.60	0.65	0.22	0.44	0.67	0.08	0.05	-0.01	0.20	0.24	3.70
1973	-0.01	0.01	0.32	0.26	0.50	0.42	0.36	0.63	0.07	0.17	0.28	0.30	3.31

Table C-30
Mountain Creek Lake Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.05	0.11	0.15	0.24	0.20	0.31	0.55	0.49	0.37	-0.08	0.29	0.25	2.93
1974	0.17	0.36	0.45	0.53	0.41	0.69	0.67	0.07	-0.26	-0.15	0.12	0.06	3.12
1975	0.14	0.10	0.37	0.45	0.02	0.41	0.31	0.47	0.26	0.35	0.13	0.17	3.18
1976	0.21	0.35	0.42	0.13	0.31	0.60	-0.03	0.51	0.05	-0.13	0.12	0.17	2.71
1977	0.06	0.20	0.30	0.10	0.23	0.52	0.63	0.50	0.56	0.30	0.26	0.26	3.92
1978	0.09	0.03	0.38	0.54	0.21	0.53	0.79	0.38	0.09	0.32	0.07	0.20	3.63
1979	0.09	0.10	0.13	0.35	0.31	0.32	0.52	0.40	0.54	0.53	0.23	-0.03	3.49
1980	0.08	0.16	0.36	0.55	0.09	0.43	0.95	0.59	-0.49	0.34	0.08	0.04	3.18
1981	0.09	0.12	0.15	0.01	0.16	0.35	0.59	0.43	0.33	-0.28	0.28	0.25	2.48
1982	0.14	0.13	0.27	0.37	-0.24	0.08	0.52	0.53	0.47	0.36	0.19	0.08	2.90
1983	-0.04	0.14	0.28	0.46	0.37	0.35	0.61	0.63	0.57	0.04	0.15	0.12	3.68
1984	0.09	0.31	0.34	0.61	0.53	0.58	0.64	0.53	0.34	-0.03	0.08	-0.14	3.88
1985	0.16	0.04	0.17	0.36	0.21	0.29	0.41	0.67	0.21	0.05	0.14	0.13	2.84
1986	0.31	0.17	0.48	0.47	0.09	0.16	0.58	0.21	0.06	-0.30	0.08	-0.07	2.24
1987	0.13	-0.13	0.15	0.36	-0.15	0.17	0.51	0.44	0.16	0.33	0.22	0.00	2.19
1988	0.15	0.18	0.43	0.44	0.32	0.41	0.37	0.56	0.18	0.42	0.37	0.13	3.96
1989	0.14	-0.09	0.27	0.44	0.41	0.26	0.68	0.52	0.30	0.41	0.32	0.13	3.79
1990	0.14	0.05	0.14	0.06	0.29	0.69	0.25	0.33	-0.05	0.19	0.07	0.14	2.30
1991	-0.06	0.22	0.41	0.48	0.42	0.15	0.53	0.36	0.00	0.33	0.24	-0.24	2.84
1992	-0.03	-0.12	0.27	0.23	0.11	0.06	0.47	0.35	0.44	0.37	0.20	0.12	2.47
1993	0.11	0.11	0.25	0.37	0.37	0.45	0.75	0.61	0.33	0.31	0.24	0.19	4.09
1994	0.06	0.12	0.35	0.37	0.01	0.61	0.83	0.75	0.26	0.22	0.14	0.09	3.81
1995	0.00	0.00	0.23	0.26	0.10	0.33	0.62	0.30	0.19	0.42	0.21	0.20	2.86
1996	0.23	0.32	0.37	0.32	0.50	0.48	0.60	0.06	0.10	0.37	0.26	0.27	3.88
Average	0.13	0.15	0.33	0.37	0.29	0.49	0.63	0.55	0.30	0.25	0.22	0.14	3.86

Table C-31
Brady Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.15	0.03	0.35	0.12	0.33	0.00	0.67	0.63	0.73	0.39	-0.16	0.01	3.26
1941	0.10	-0.05	0.00	-0.01	0.13	0.13	0.51	0.60	0.45	0.07	0.30	0.18	2.42
1942	0.25	0.19	0.35	-0.19	0.08	0.35	0.62	0.41	0.20	0.03	0.29	0.12	2.71
1943	0.19	0.34	0.19	0.42	0.24	0.47	0.60	0.91	0.15	0.48	0.28	0.00	4.26
1944	-0.12	-0.09	0.15	0.29	-0.19	0.57	0.80	0.62	0.57	0.48	0.10	0.04	3.22
1945	0.04	-0.03	-0.01	0.03	0.49	0.36	0.51	0.71	0.59	0.34	0.42	0.22	3.66
1946	-0.01	0.10	0.26	0.20	0.09	0.47	0.90	0.94	0.20	0.30	0.25	0.16	3.84
1947	-0.17	0.25	0.11	0.20	0.26	0.66	0.90	0.74	0.77	0.62	0.30	0.04	4.67
1948	0.13	0.01	0.28	0.29	0.28	0.58	0.55	0.80	0.59	0.58	0.41	0.24	4.75
1949	-0.09	-0.07	0.12	-0.10	0.21	0.35	0.69	0.61	0.55	0.16	0.45	0.09	2.98
1950	0.07	0.01	0.43	0.07	0.11	0.41	0.56	0.85	0.39	0.61	0.56	0.34	4.41
1951	0.26	0.09	0.29	0.28	0.18	0.22	0.79	1.00	0.54	0.50	0.35	0.31	4.82
1952	0.26	0.27	0.20	0.04	0.07	0.53	0.67	1.06	0.52	0.80	0.12	-0.02	4.50
1953	0.28	0.19	0.08	0.24	0.18	0.75	0.64	0.70	0.54	0.21	0.31	0.26	4.39
1954	0.09	0.29	0.33	0.20	0.21	0.59	0.75	0.74	0.55	0.25	0.19	0.21	4.40
1955	0.05	0.05	0.25	0.40	0.17	0.29	0.41	0.36	0.15	0.37	0.26	0.17	2.91
1956	0.09	0.08	0.36	0.30	0.19	0.58	0.77	0.66	0.54	0.35	0.18	0.10	4.19
1957	0.08	0.02	0.11	-0.22	-0.25	0.29	0.64	0.60	0.17	-0.20	-0.16	0.15	1.23
1958	-0.05	-0.11	0.02	0.11	0.07	0.31	0.66	0.49	-0.01	0.04	0.14	0.11	1.79
1959	0.14	-0.02	0.31	0.10	0.09	-0.08	0.17	0.32	0.31	-0.30	0.15	-0.08	1.11
1960	-0.02	0.05	0.11	0.24	0.25	0.51	0.21	0.22	0.34	-0.03	0.15	-0.20	1.81
1961	-0.11	-0.08	0.21	0.37	0.28	-0.15	0.07	0.49	0.21	0.15	0.02	0.10	1.56
1962	0.14	0.19	0.25	0.02	0.34	0.13	0.51	0.59	0.15	0.03	0.10	0.06	2.52
1963	0.16	0.12	0.29	0.25	0.06	0.31	0.66	0.49	0.29	0.35	-0.03	0.08	3.03
1964	0.05	0.08	0.20	0.21	0.33	0.57	0.82	0.54	-0.14	0.25	0.06	0.18	3.14
1965	0.04	-0.14	0.25	0.32	-0.38	0.47	0.71	0.61	0.36	0.12	0.07	-0.02	2.40
1966	0.05	0.03	0.34	0.11	0.22	0.53	0.67	0.11	-0.02	0.38	0.36	0.22	3.01
1967	0.23	0.21	0.39	0.27	0.25	0.67	0.54	0.58	-0.02	0.20	0.01	0.07	3.42
1968	-0.44	0.03	-0.01	0.09	-0.04	0.22	0.34	0.53	0.18	0.39	0.00	0.15	1.44
1969	0.20	0.09	0.15	0.02	0.16	0.50	0.61	0.29	0.19	-0.37	0.10	0.02	1.96
1970	0.08	-0.04	0.01	0.25	-0.08	0.40	0.65	0.59	-0.02	0.17	0.32	0.22	2.54
1971	0.26	0.25	0.51	0.38	0.36	0.54	0.28	-0.05	0.18	-0.16	0.19	-0.02	2.74
1972	0.13	0.27	0.51	0.40	0.05	0.49	0.52	0.26	0.17	0.11	0.12	0.20	3.22

Table C-31
Brady Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.15	0.03	0.35	0.12	0.33	0.00	0.67	0.63	0.73	0.39	-0.16	0.01	3.26
1973	-0.09	-0.01	0.24	0.11	0.39	0.15	0.30	0.58	0.11	-0.24	0.21	0.30	2.05
1974	0.12	0.31	0.37	0.54	0.19	0.57	0.66	-0.15	-0.05	-0.02	0.10	0.01	2.65
1975	0.14	0.01	0.28	0.14	-0.20	0.40	0.35	0.47	0.36	0.35	0.28	0.08	2.65
1976	0.23	0.29	0.29	-0.04	0.14	0.33	0.05	0.52	0.12	-0.06	0.12	0.06	2.04
1977	-0.02	0.19	0.14	-0.16	0.19	0.46	0.68	0.55	0.54	0.28	0.10	0.27	3.22
1978	0.11	-0.03	0.30	0.40	0.19	0.46	0.72	0.24	0.12	0.33	-0.08	0.11	2.87
1979	-0.01	0.00	0.06	0.17	0.07	0.23	0.44	0.19	0.47	0.48	0.20	-0.05	2.24
1980	0.06	0.12	0.26	0.37	-0.09	0.48	0.79	0.65	-0.09	0.29	0.10	0.06	2.99
1981	0.10	0.11	0.02	0.18	0.13	-0.09	0.59	0.39	0.23	-0.10	0.18	0.19	1.91
1982	0.15	0.05	0.19	0.19	-0.04	0.15	0.56	0.56	0.43	0.33	-0.04	0.04	2.56
1983	0.02	0.04	0.07	0.38	0.06	0.16	0.52	0.42	0.45	0.23	0.14	0.12	2.60
1984	0.10	0.19	0.21	0.52	0.41	0.50	0.48	0.52	0.40	-0.26	0.06	-0.28	2.88
1985	0.10	0.01	0.03	0.23	0.20	0.24	0.49	0.65	0.28	-0.10	0.05	0.10	2.27
1986	0.17	0.06	0.37	0.30	-0.06	-0.05	0.60	0.37	-0.02	-0.28	0.00	-0.18	1.28
1987	0.10	-0.09	0.13	0.32	-0.15	-0.15	0.42	0.39	0.15	0.33	0.02	0.01	1.48
1988	0.17	0.13	0.28	0.40	0.20	0.22	0.26	0.51	0.32	0.35	0.24	0.10	3.19
1989	-0.03	-0.06	0.14	0.35	0.11	0.23	0.54	0.40	0.37	0.31	0.22	0.17	2.75
1990	0.07	-0.06	-0.02	-0.06	0.10	0.62	0.28	0.40	0.16	0.15	0.01	0.11	1.77
1991	-0.04	0.13	0.33	0.22	0.14	0.15	0.56	0.35	0.07	0.13	0.22	-0.48	1.79
1992	-0.10	-0.20	0.10	0.22	-0.05	0.15	0.45	0.37	0.31	0.35	-0.05	-0.04	1.54
1993	0.04	-0.02	0.08	0.14	0.24	0.19	0.77	0.82	0.26	0.20	0.16	0.08	2.50
Average	0.07	0.07	0.21	0.20	0.13	0.34	0.55	0.52	0.28	0.20	0.16	0.08	2.81

Table C-32
Lake Winters Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.15	0.12	0.47	0.39	0.49	0.3	0.87	0.58	0.76	0.59	0.11	0.22	5.05
1941	0.09	0.08	0.15	0.24	0.23	0.41	0.59	0.5	0.39	-0.07	0.33	0.25	3.19
1942	0.22	0.25	0.48	0.21	0.49	0.61	0.78	0.26	0.27	0.18	0.4	0.14	4.29
1943	0.25	0.38	0.27	0.57	0.4	0.68	0.75	1	0.47	0.5	0.29	-0.01	5.55
1944	0.03	0.06	0.38	0.61	0.39	0.84	0.76	0.72	0.43	0.32	0.22	0.01	4.77
1945	0.16	0.18	0.31	0.34	0.81	0.78	0.3	0.78	0.68	0.1	0.44	0.28	5.16
1946	0.01	0.27	0.36	0.48	0.59	0.68	1.07	1.06	0.4	0.43	0.23	-0.04	5.54
1947	0.19	0.26	0.09	0.36	0.14	0.65	0.97	0.88	0.83	0.52	0.23	0.13	5.25
1948	0.19	0.05	0.36	0.55	0.54	0.65	0.6	1.04	0.73	0.4	0.48	0.34	5.93
1949	0.04	0.02	0.24	0.02	0.13	0.49	0.81	0.72	0.42	0.21	0.44	0.13	3.67
1950	0.2	0.22	0.43	0.32	0.17	0.62	0.51	0.8	0.29	0.58	0.55	0.23	4.92
1951	0.28	0.18	0.23	0.38	0.35	0.37	0.73	0.73	0.67	0.48	0.29	0.31	5
1952	0.27	0.33	0.37	0.38	0.47	0.9	0.85	1.16	0.64	0.76	0.21	0.19	6.53
1953	0.34	0.26	0.19	0.45	0.48	0.89	0.69	0.58	0.84	0.38	0.27	0.32	5.69
1954	0.15	0.42	0.43	0.29	0.3	0.65	0.89	0.82	0.74	0.46	0.29	0.26	5.7
1955	0.11	0.15	0.48	0.68	0.45	0.58	0.58	0.58	0.45	0.47	0.34	0.26	5.13
1956	0.15	0.27	0.57	0.44	0.62	0.84	0.89	0.88	0.71	0.39	0.33	0.2	6.29
1957	0.18	0.01	0.4	0.03	-0.16	0.44	0.77	0.82	0.32	0.15	0.02	0.22	3.2
1958	0	-0.05	0.04	0.15	0.17	0.58	0.74	0.5	-0.02	0.09	0.19	0.19	2.58
1959	0.15	0.11	0.45	0.34	0.23	0.17	0.14	0.6	0.44	-0.09	0.14	0.03	2.71
1960	0.01	0.15	0.26	0.37	0.34	0.7	0.43	0.5	0.53	0.13	0.26	-0.08	3.6
1961	-0.13	0.05	0.32	0.55	0.28	0.01	0.26	0.6	0.2	0.19	-0.01	0.12	2.44
1962	0.17	0.33	0.35	0.34	0.69	0.41	0.5	0.73	0.1	0.3	0.21	0.12	4.25
1963	0.19	0.2	0.51	0.42	0.13	0.33	0.8	0.54	0.41	0.46	0.12	0.1	4.21
1964	0.16	0.1	0.4	0.46	0.42	0.69	0.84	0.67	0.16	0.37	0.11	0.23	4.61
1965	0.19	0.03	0.32	0.45	0.02	0.49	0.85	0.56	0.46	0.24	0.25	0.11	3.97
1966	0.08	0.15	0.45	0.19	0.38	0.6	0.82	0.22	0.04	0.28	0.38	0.29	3.88
1967	0.33	0.33	0.48	0.53	0.47	0.63	0.55	0.61	-0.08	0.37	0.07	0.07	4.36
1968	-0.17	0.02	0.12	0.18	0.25	0.31	0.46	0.64	0.38	0.46	0.01	0.23	2.89
1969	0.23	0.11	0.14	0.17	0.14	0.52	0.86	0.43	0.05	0	0.13	-0.03	2.75
1970	0.14	0.07	0.1	0.25	0.26	0.55	0.82	0.6	0.21	0.25	0.38	0.27	3.9
1971	0.35	0.33	0.67	0.44	0.44	0.59	0.61	-0.21	0.12	0.11	0.25	0.1	3.8
1972	0.24	0.31	0.58	0.61	0.23	0.46	0.64	0.13	0.09	0	0.2	0.24	3.73

Table C-32
Lake Winters Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.15	0.12	0.47	0.39	0.49	0.3	0.87	0.58	0.76	0.59	0.11	0.22	5.05
1973	-0.01	0.03	0.31	0.27	0.5	0.41	0.35	0.62	0.07	0.15	0.28	0.29	3.27
1974	0.18	0.35	0.42	0.51	0.39	0.68	0.69	0.07	-0.26	-0.08	0.17	0.07	3.19
1975	0.16	0.12	0.36	0.42	0.01	0.42	0.32	0.49	0.29	0.36	0.15	0.16	3.26
1976	0.21	0.35	0.42	0.13	0.31	0.59	0	0.5	0.09	-0.11	0.14	0.16	2.79
1977	0.06	0.21	0.29	0.12	0.22	0.49	0.63	0.53	0.56	0.3	0.26	0.27	3.94
1978	0.09	0.02	0.36	0.51	0.25	0.54	0.8	0.3	0.13	0.33	0.05	0.2	3.58
1979	0.07	0.1	0.15	0.32	0.3	0.31	0.54	0.4	0.53	0.54	0.22	-0.03	3.45
1980	0.07	0.15	0.36	0.55	0.06	0.44	0.92	0.59	-0.37	0.35	0.1	0.05	3.27
1981	0.1	0.13	0.14	0.07	0.17	0.32	0.57	0.41	0.33	-0.13	0.26	0.24	2.61
1982	0.14	0.11	0.26	0.37	-0.21	0.25	0.51	0.53	0.46	0.35	0.17	0.07	3.01
1983	-0.04	0.11	0.23	0.44	0.34	0.31	0.6	0.59	0.56	0.05	0.15	0.1	3.44
1984	0.11	0.3	0.31	0.6	0.52	0.56	0.62	0.52	0.34	-0.07	0.08	-0.17	3.72
1985	0.14	0.04	0.14	0.35	0.23	0.27	0.43	0.65	0.23	0.04	0.13	0.14	2.79
1986	0.3	0.14	0.44	0.45	0.08	0.19	0.57	0.25	0.1	-0.27	0.06	-0.07	2.24
1987	0.12	-0.12	0.17	0.37	-0.09	0.18	0.49	0.42	0.17	0.33	0.2	-0.02	2.22
1988	0.2	0.19	0.4	0.39	0.38	0.46	0.42	0.68	0.31	0.47	0.43	0.18	4.51
1989	0.12	-0.09	0.25	0.43	0.35	0.28	0.65	0.5	0.28	0.39	0.32	0.13	3.61
1990	0.12	0.05	0.11	0.02	0.26	0.71	0.26	0.32	0	0.2	0.07	0.12	2.24
1991	-0.06	0.21	0.41	0.45	0.41	0.15	0.56	0.34	0	0.31	0.25	-0.15	2.88
1992	0	0.03	0.3	0.24	0.12	0.09	0.46	0.38	0.41	0.37	0.16	0.1	2.66
1993	0.11	0.09	0.24	0.36	0.35	0.42	0.78	0.63	0.33	0.32	0.25	0.19	4.07
1994	0.08	0.12	0.36	0.34	0.12	0.63	0.68	0.76	0.21	0.2	0.11	0.08	3.69
1995	0	0	0.22	0.28	0.12	0.35	0.59	0.31	0.18	0.43	0.23	0.19	2.9
1996	0.22	0.3	0.34	0.33	0.49	0.46	0.58	0.08	0.2	0.36	0.26	0.27	3.89
Average	0.13	0.15	0.32	0.36	0.30	0.49	0.63	0.56	0.32	0.27	0.22	0.14	3.89

Table C-33
Hords Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.16	0.11	0.47	0.34	0.43	0.26	0.84	0.56	0.77	0.6	0.11	0.21	4.86
1941	0.12	0.06	0.14	0.20	0.17	0.42	0.63	0.50	0.42	-0.13	0.36	0.26	3.15
1942	0.25	0.26	0.49	0.13	0.42	0.56	0.79	0.33	0.25	0.14	0.40	0.12	4.14
1943	0.26	0.39	0.24	0.57	0.40	0.62	0.76	1.01	0.47	0.50	0.32	-0.01	5.53
1944	0.04	0.04	0.34	0.59	0.31	0.81	0.79	0.78	0.50	0.33	0.21	0.03	4.77
1945	0.18	0.16	0.27	0.31	0.77	0.72	0.33	0.82	0.70	0.15	0.45	0.29	5.15
1946	0.03	0.26	0.36	0.46	0.53	0.66	1.05	1.02	0.36	0.44	0.24	0.01	5.42
1947	0.16	0.27	0.12	0.33	0.13	0.65	0.98	0.85	0.85	0.52	0.25	0.13	5.24
1948	0.19	0.06	0.35	0.53	0.51	0.59	0.64	1.00	0.75	0.45	0.49	0.34	5.9
1949	0.00	0.03	0.24	0.04	0.11	0.48	0.80	0.66	0.44	0.19	0.47	0.13	3.59
1950	0.19	0.21	0.46	0.30	0.17	0.61	0.48	0.83	0.32	0.61	0.57	0.26	5.01
1951	0.25	0.15	0.22	0.35	0.28	0.31	0.74	0.74	0.69	0.50	0.29	0.30	4.82
1952	0.25	0.30	0.34	0.33	0.42	0.88	0.88	1.20	0.71	0.78	0.20	0.18	6.47
1953	0.33	0.25	0.18	0.42	0.40	0.89	0.61	0.59	0.85	0.32	0.27	0.32	5.43
1954	0.14	0.42	0.44	0.28	0.29	0.67	0.92	0.85	0.75	0.43	0.27	0.26	5.72
1955	0.12	0.16	0.47	0.66	0.45	0.56	0.58	0.58	0.39	0.47	0.34	0.26	5.04
1956	0.15	0.25	0.56	0.44	0.65	0.87	0.93	0.89	0.72	0.40	0.31	0.22	6.39
1957	0.18	-0.03	0.39	-0.01	-0.24	0.46	0.78	0.83	0.32	0.14	0.01	0.22	3.05
1958	0.01	-0.05	0.03	0.15	0.17	0.57	0.69	0.52	-0.05	0.10	0.20	0.18	2.52
1959	0.17	0.12	0.46	0.35	0.20	0.17	0.15	0.60	0.43	-0.11	0.13	0.04	2.71
1960	0.00	0.16	0.26	0.35	0.34	0.72	0.44	0.49	0.52	0.13	0.26	-0.08	3.59
1961	-0.15	0.06	0.33	0.57	0.29	-0.02	0.30	0.60	0.18	0.18	-0.01	0.13	2.46
1962	0.19	0.33	0.34	0.33	0.67	0.32	0.47	0.71	0.09	0.29	0.19	0.12	4.05
1963	0.20	0.22	0.49	0.42	0.09	0.31	0.79	0.52	0.43	0.47	0.09	0.11	4.14
1964	0.16	0.11	0.41	0.44	0.43	0.70	0.87	0.64	0.13	0.37	0.06	0.24	4.56
1965	0.17	0.04	0.33	0.41	-0.03	0.49	0.84	0.58	0.44	0.22	0.23	0.10	3.82
1966	0.09	0.15	0.43	0.15	0.37	0.59	0.81	0.21	0.04	0.29	0.38	0.28	3.79
1967	0.33	0.33	0.48	0.52	0.43	0.65	0.57	0.62	-0.10	0.37	0.06	0.06	4.32
1968	-0.24	0.02	0.12	0.18	0.23	0.28	0.44	0.64	0.38	0.45	0.01	0.22	2.73
1969	0.22	0.09	0.11	0.16	0.14	0.50	0.85	0.41	0.06	0.03	0.14	-0.03	2.68
1970	0.15	0.06	0.10	0.21	0.26	0.58	0.82	0.59	0.20	0.25	0.38	0.28	3.88
1971	0.34	0.32	0.65	0.44	0.42	0.56	0.60	-0.15	0.11	0.10	0.24	0.08	3.71
1972	0.23	0.29	0.56	0.57	0.22	0.47	0.61	0.18	0.12	0.00	0.19	0.24	3.68

Table C-33
Hords Creek Reservoir Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1940	0.16	0.11	0.47	0.34	0.43	0.26	0.84	0.56	0.77	0.6	0.11	0.21	4.86
1973	-0.02	0.03	0.30	0.27	0.49	0.37	0.33	0.62	0.07	0.12	0.27	0.29	3.14
1974	0.17	0.34	0.40	0.49	0.37	0.67	0.71	0.06	-0.29	-0.09	0.16	0.07	3.06
1975	0.16	0.11	0.34	0.39	0.00	0.41	0.33	0.51	0.32	0.37	0.17	0.16	3.27
1976	0.21	0.35	0.41	0.12	0.29	0.58	0.02	0.49	0.10	-0.11	0.14	0.15	2.75
1977	0.04	0.21	0.28	0.13	0.20	0.46	0.63	0.57	0.56	0.29	0.25	0.28	3.9
1978	0.09	0.01	0.34	0.49	0.28	0.56	0.80	0.07	0.17	0.33	0.03	0.21	3.38
1979	0.06	0.09	0.15	0.29	0.29	0.28	0.55	0.40	0.53	0.55	0.22	-0.04	3.37
1980	0.06	0.14	0.35	0.55	0.03	0.45	0.90	0.59	-0.26	0.35	0.11	0.06	3.33
1981	0.11	0.13	0.12	0.13	0.19	0.28	0.55	0.40	0.33	-0.16	0.24	0.23	2.55
1982	0.14	0.10	0.24	0.36	-0.19	0.27	0.50	0.52	0.45	0.34	0.14	0.05	2.92
1983	-0.04	0.08	0.19	0.42	0.32	0.27	0.59	0.56	0.54	0.05	0.14	0.08	3.2
1984	0.12	0.30	0.27	0.60	0.51	0.54	0.60	0.51	0.34	-0.10	0.08	-0.19	3.58
1985	0.13	0.04	0.10	0.34	0.24	0.25	0.45	0.63	0.25	0.01	0.11	0.15	2.7
1986	0.29	0.12	0.41	0.43	0.08	0.17	0.56	0.30	0.15	-0.24	0.03	-0.07	2.23
1987	0.11	-0.13	0.16	0.36	-0.10	0.16	0.46	0.41	0.18	0.32	0.18	-0.04	2.07
1988	0.19	0.18	0.38	0.37	0.42	0.46	0.43	0.67	0.36	0.46	0.42	0.17	4.51
1989	0.11	-0.10	0.24	0.42	0.30	0.24	0.61	0.48	0.26	0.38	0.32	0.14	3.4
1990	0.11	0.04	0.09	-0.02	0.20	0.72	0.26	0.32	0.01	0.21	0.06	0.10	2.1
1991	-0.06	0.21	0.40	0.42	0.41	0.14	0.59	0.33	0.00	0.28	0.26	-0.18	2.8
1992	0.00	0.00	0.28	0.24	0.13	0.10	0.44	0.39	0.39	0.38	0.13	0.07	2.55
1993	0.10	0.07	0.23	0.34	0.33	0.40	0.81	0.64	0.33	0.33	0.25	0.19	4.02
1994	0.09	0.11	0.36	0.32	0.09	0.64	0.54	0.77	0.16	0.18	0.07	0.07	3.4
1995	0.00	0.00	0.22	0.28	0.13	0.35	0.57	0.30	0.17	0.43	0.25	0.19	2.89
1996	0.21	0.28	0.31	0.34	0.47	0.44	0.56	0.11	0.15	0.35	0.25	0.26	3.73
Average	0.13	0.15	0.31	0.34	0.28	0.48	0.62	0.56	0.32	0.26	0.22	0.14	3.81

Table C-34
Lake Brownwood Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.18	0.07	0.47	0.31	0.33	0.22	0.9	0.57	0.83	0.6	0.12	0.17	4.77
1942	0.22	0.02	0.15	0.1	-0.05	0.28	0.63	0.55	0.49	-0.19	0.4	0.2	2.8
1943	0.28	0.28	0.45	-0.09	0.26	0.49	0.81	0.59	0.26	0.03	0.44	0.07	3.87
1944	0.25	0.39	0.21	0.53	0.33	0.5	0.73	1.06	0.58	0.54	0.38	0.04	5.54
1945	0.01	0.01	0.27	0.52	0.14	0.74	0.77	0.89	0.68	0.35	0.21	0.09	4.68
1946	0.18	0.1	0.19	0.2	0.59	0.53	0.44	0.86	0.81	0.28	0.5	0.29	4.97
1947	0.09	0.22	0.39	0.43	0.25	0.64	1.04	0.97	0.29	0.46	0.27	0.12	5.17
1948	0.12	0.27	0.17	0.31	0.13	0.67	0.99	0.79	0.85	0.49	0.29	0.08	5.16
1949	0.17	0.08	0.34	0.48	0.44	0.54	0.71	0.91	0.77	0.49	0.49	0.35	5.77
1950	-0.08	0.1	0.26	0.07	0.1	0.41	0.73	0.61	0.54	0.23	0.5	0.18	3.65
1951	0.17	0.21	0.48	0.23	0.13	0.55	0.43	0.84	0.34	0.65	0.58	0.33	4.94
1952	0.29	0.14	0.33	0.37	0.12	0.27	0.76	0.86	0.76	0.55	0.33	0.3	5.08
1953	0.23	0.28	0.31	0.28	0.32	0.81	0.87	1.26	0.67	0.8	0.19	0.17	6.19
1954	0.3	0.22	0.22	0.31	0.29	0.86	0.49	0.56	0.81	0.19	0.27	0.32	4.84
1955	0.11	0.33	0.38	0.11	0.11	0.79	1.02	1.17	1.04	0.6	0.28	0.38	6.32
1956	0.14	0.15	0.37	0.36	0.13	0.32	0.82	0.83	0.51	0.67	0.52	0.31	5.13
1957	0.13	0.11	0.4	0.33	0.44	0.84	1.11	1.21	1	0.64	0.6	0.25	7.06
1958	0.23	-0.07	0.27	-0.25	-0.51	0.43	0.97	1.14	0.59	0.17	0.02	0.3	3.29
1959	0.07	0.06	0.03	0.1	0.13	0.56	0.71	0.77	0.19	0.24	0.32	0.25	3.43
1960	-0.04	0.11	0.27	0.25	0.41	0.74	0.52	0.69	0.71	0.24	0.43	-0.04	4.29
1961	-0.14	0.1	0.33	0.54	0.49	-0.01	0.5	0.84	0.34	0.39	0.16	0.18	3.72
1962	0.2	0.28	0.25	0.18	0.62	0.11	0.52	0.91	0.14	0.38	0.28	0.16	4.03
1963	0.18	0.2	0.37	0.29	0.02	0.37	0.94	0.75	0.57	0.57	0.12	0.16	4.54
1964	0.14	0.84	0.29	0.37	0.41	0.64	0.29	0.7	0.33	0.47	0.14	0.28	4.9
1965	0.19	0.07	0.29	0.24	-0.19	0.3	1.01	0.81	0.65	0.32	0.29	0.14	4.12
1966	0.08	0.14	0.4	0	0.39	0.63	0.86	0.34	0.13	0.44	0.44	0.32	4.17
1967	0.32	0.28	0.41	0.45	0.35	0.63	0.61	0.73	-0.03	0.43	0.1	0.09	4.37
1968	-0.35	0.02	0.12	0.19	0.23	0.34	0.48	0.77	0.57	0.57	0.09	0.28	3.31
1969	0.22	0.1	0.09	0.21	0.08	0.44	0.84	0.51	0.12	0.23	0.25	0.03	3.12
1970	0.1	0.02	0.04	0.11	0.23	0.59	0.87	0.7	0.44	0.31	0.45	0.33	4.19
1971	0.31	0.28	0.49	0.36	0.51	0.6	0.72	0.18	0.3	0.2	0.26	0.07	4.28
1972	0.19	0.24	0.45	0.41	0.3	0.47	0.62	0.4	0.35	0.24	0.25	0.26	4.18
1973	-0.04	0.03	0.22	0.26	0.51	0.44	0.48	0.76	0.33	0.21	0.33	0.37	3.9

Table C-34
Lake Brownwood Net Evaporation
Values in Feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1941	0.18	0.07	0.47	0.31	0.33	0.22	0.9	0.57	0.83	0.6	0.12	0.17	4.77
1974	0.17	0.3	0.34	0.43	0.51	0.74	0.8	0.35	0.11	0.17	0.17	0.12	4.21
1975	0.15	0.08	0.26	0.32	0.2	0.49	0.49	0.61	0.38	0.48	0.23	0.17	3.86
1976	0.2	0.38	0.36	0.19	0.33	0.55	0.31	0.61	0.25	0.11	0.17	0.1	3.56
1977	0.02	0.26	0.27	0.17	0.33	0.6	0.74	0.64	0.78	0.43	0.29	0.33	4.86
1978	0.09	0.01	0.37	0.46	0.46	0.67	0.95	0.43	0.29	0.44	0.12	0.25	4.54
1979	0.06	0.09	0.15	0.24	0.28	0.37	0.62	0.53	0.66	0.69	0.25	0.03	3.97
1980	0.07	0.13	0.32	0.52	0.21	0.6	1.06	0.8	0.34	0.44	0.21	0.09	4.79
1981	0.13	0.13	0.15	0.21	0.31	0.39	0.77	0.62	0.51	0.08	0.31	0.23	3.84
1982	0.12	0.08	0.27	0.35	0.15	0.25	0.65	0.68	0.58	0.43	0.26	0.14	3.96
1983	-0.02	0.12	0.14	0.41	0.37	0.34	0.67	0.72	0.68	0.34	0.22	0.14	4.13
1984	0.14	0.19	0.28	0.58	0.67	0.67	0.69	0.7	0.55	0.12	0.18	0.02	4.79
1985	0.02	0.01	0.08	0.29	0.38	0.44	0.59	0.77	0.39	0.14	0.14	0.06	3.31
1986	0.29	0.17	0.37	0.37	0.24	0.26	0.67	0.53	0.32	0.06	0.08	-0.02	3.34
1987	0.1	-0.04	0.17	0.39	0.14	0.25	0.62	0.61	0.35	0.45	0.2	0.01	3.25
1988	0.19	0.18	0.34	0.38	0.45	0.42	0.49	0.69	0.44	0.44	0.39	0.16	4.57
1989	0.12	-0.06	0.23	0.39	0.37	0.29	0.61	0.6	0.36	0.44	0.44	0.18	3.97
1990	0.07	0.1	0.13	0.11	0.32	0.72	0.47	0.52	0.38	0.35	0.16	0.19	3.52
1991	0	0.21	0.4	0.38	0.36	0.35	0.65	0.4	0.16	0.33	0.27	0	3.51
1992	-0.02	-0.04	0.2	0.23	0.17	0.32	0.53	0.6	0.45	0.48	0.13	0.08	3.13
1993	0.06	0.05	0.18	0.32	0.35	0.41	0.88	0.72	0.37	0.39	0.24	0.18	4.15
1994	0.12	0.09	0.36	0.33	0.18	0.73	0.35	0.8	0.13	0.24	0.11	0.06	3.5
1995	0.1	0.13	0.2	0.32	0.3	0.41	0.55	0.37	0.21	0.46	0.3	0.2	3.55
1996	0.19	0.25	0.27	0.29	0.37	0.36	0.53	-0.01	0.09	0.18	0	0.25	2.77
Average	0.12	0.15	0.28	0.29	0.28	0.49	0.69	0.69	0.46	0.37	0.27	0.18	4.27

Table C-35

Area-Capacity-Elevation Chararcteristics of Lake Ballinger

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1680.0	0	0
1682.0	38	38
1684.0	72	147
1685.6	106	295
1686.0	115	333
1688.0	167	614
1690.0	224	1,004
1692.0	251	1,478
1694.0	279	2,007

Table C-36

Area-Capacity-Elevation Chararcteristics of Lake Moonen

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1624	0	0
1628	1	1
1632	2	5
1636	5	17
1640	13	52
1644	23	122
1648	81	328
1652	152	792
1656	222	1,538
1660	301	2,583
1664	413	4,009
1668	578	5,989

Table C-37

Area-Capacity-Elevation Chararcteristics of Oak Creek Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1955	0	0
1960	48	121
1962	83	252
1964	133	468
1966	178	780
1968	233	1,191
1970	283	1,708
1972	348	2,339
1974	423	3,110
1978	583	5,123
1980	683	6,390
1985	958	10,493
1988	1,148	13,653
1990	1,308	16,109
1992	1,473	18,890
1995	1,763	23,745
1998	2,043	29,455
2000	2,248	33,746

Table C-38

Area-Capacity-Elevation Chararcteristics of Thomas Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
2194	0	0
2195	5	1
2196	44	26
2197	95	100
2198	153	224
2199	227	416
2200	285	673
2201	334	981
2202	377	1,338
2203	423	1,736
2204	473	2,184
2205	559	2,697
2206	656	3,304
2207	770	4,013
2208	906	4,856
2209	1,001	5,805
2210	1,144	6,873
2211	1,302	8,099
2212	1,424	9,463
2213	1,518	10,936
2214	1,601	12,497
2215	1,685	14,138
2216	1,791	15,874
2217	1,917	17,724
2218	2,065	19,716
2219	2,179	21,839
2220	2,324	24,089
2221	2,463	26,482
2222	2,603	29,014
2223	2,727	31,681
2224	2,874	34,480
2225	2,986	37,411
2226	3,093	40,450

Elevation (feet)	Area (acres)	Capacity (acre-feet)
2227	3,186	43,591
2228	3,274	46,822
2229	3,377	50,146
2230	3,491	53,580
2231	3,614	57,132
2232	3,749	60,813
2233	3,879	64,629
2234	4,013	68,573
2235	4,136	72,649
2236	4,247	76,841
2237	4,362	81,145
2238	4,488	85,569
2239	4,615	90,121
2240	4,746	94,801
2241	4,890	99,617
2242	5,039	104,582
2243	5,181	109,692
2244	5,322	114,943
2245	5,463	120,336
2246	5,592	125,866
2247	5,706	131,516
2248	5,816	137,277
2249	5,925	143,148
2250	6,033	149,127
2251	6,138	155,212
2252	6,240	161,401
2253	6,337	167,690
2254	6,433	174,075
2255	6,530	180,557
2256	6,628	187,136
2257	6,728	193,814
2258	7,282	200,604

Table C-39
Area-Capacity-Elevation Chararcteristics of O.H. Ivie Reservoir
Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1453	0	0
1454	4	2
1455	17	13
1456	31	37
1457	46	76
1458	62	131
1459	79	201
1460	97	290
1461	116	397
1462	136	523
1463	157	670
1464	180	839
1465	204	1,031
1466	229	1,248
1467	255	1,490
1468	282	1,759
1469	310	2,055
1470	339	2,380
1471	369	2,735
1472	402	3,120
1473	438	3,541
1474	476	3,998
1475	520	4,497
1476	565	5,039
1477	613	5,629
1478	665	6,268
1479	721	6,961
1480	780	7,712
1481	818	8,512
1482	856	9,349
1483	936	10,245
1484	1,016	11,222
1485	1,096	12,278
1486	1,176	13,414
1487	1,296	14,651
1488	1,416	16,007
1489	1,575	17,503
1490	1,734	19,158
1491	1,830	20,940
1492	1,926	22,818
1493	2,023	24,793
1494	2,121	26,866
1495	2,220	29,037
1496	2,320	31,307
1497	2,421	33,678
1498	2,523	36,150
1499	2,626	38,725
1500	2,731	41,404
1501	2,861	44,200
1502	2,997	47,129

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1503	3,142	50,199
1504	3,291	53,416
1505	3,461	56,792
1506	3,642	60,344
1507	3,852	64,092
1508	4,073	68,055
1509	4,303	72,243
1510	4,534	76,662
1511	4,745	81,302
1512	4,956	86,152
1513	5,175	91,218
1514	5,395	96,504
1515	5,635	102,019
1516	5,882	107,778
1517	6,162	113,800
1518	6,448	120,106
1519	6,708	126,684
1520	6,972	133,524
1521	7,334	140,678
1522	7,696	148,193
1523	8,062	156,072
1524	8,427	164,317
1525	8,782	172,922
1526	9,138	181,882
1527	9,477	191,190
1528	9,816	200,837
1529	10,153	210,822
1530	10,490	221,144
1531	10,828	231,803
1532	11,166	242,800
1533	11,541	254,154
1534	11,916	265,883
1535	12,291	277,987
1536	12,666	290,466
1537	13,041	303,320
1538	13,416	316,549
1539	13,811	330,162
1540	14,209	344,173
1541	14,600	358,578
1542	14,991	373,373
1543	15,403	388,571
1544	15,816	404,181
1545	16,241	420,209
1546	16,666	436,663
1547	17,091	453,542
1548	17,516	470,846
1549	17,939	488,574
1550	18,362	506,725
1551	18,764	525,288
1551.5	18,965	534,721

Table C-40
Area-Capacity-Elevation Chararcteristics of E.V. Spence Reservoir
Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1796	0	0
1797	3	2
1798	7	7
1799	12	16
1800	19	31
1801	27	55
1802	35	86
1803	45	125
1804	59	177
1805	79	246
1806	101	337
1807	125	450
1808	152	588
1809	186	757
1810	228	962
1811	281	1,217
1812	340	1,527
1813	397	1,896
1814	450	2,319
1815	516	2,801
1816	582	3,350
1817	648	3,966
1818	714	4,647
1819	787	5,396
1820	865	6,221
1821	942	7,126
1822	1,015	8,104
1823	1,097	9,160
1824	1,175	10,296
1825	1,254	11,510
1826	1,334	12,804
1827	1,420	14,181
1828	1,511	15,646
1829	1,608	17,206
1830	1,697	18,858
1831	1,804	20,609
1832	1,913	22,467
1833	2,015	24,430
1834	2,132	26,503
1835	2,265	28,701
1836	2,400	31,034
1837	2,528	33,497
1838	2,666	36,095
1839	2,811	38,832
1840	2,961	41,722
1841	3,082	44,744
1842	3,209	47,888
1843	3,346	51,167
1844	3,498	54,587
1845	3,690	58,173
1846	3,858	61,971
1847	3,952	65,877

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1848	4,061	69,878
1849	4,333	74,101
1850	4,451	78,495
1851	4,562	83,002
1852	4,673	87,619
1853	4,790	92,350
1854	4,915	97,202
1855	5,069	102,191
1856	5,260	107,351
1857	5,478	112,718
1858	5,665	118,291
1859	5,862	124,057
1860	6,066	130,009
1861	6,252	136,166
1862	6,462	142,519
1863	6,680	149,089
1864	6,940	155,888
1865	7,170	162,949
1866	7,341	170,206
1867	7,498	177,627
1868	7,641	185,196
1869	7,824	192,918
1870	8,220	200,835
1871	8,531	209,326
1872	8,748	217,965
1873	8,968	226,826
1874	9,165	235,893
1875	9,367	245,159
1876	9,568	254,626
1877	9,770	264,296
1878	9,975	274,168
1879	10,176	284,244
1880	10,382	294,521
1881	10,592	305,009
1882	10,807	315,709
1883	11,030	326,627
1884	11,253	337,768
1885	11,486	349,137
1886	11,713	360,739
1887	11,925	372,559
1888	12,134	384,589
1889	12,337	396,825
1890	12,543	409,264
1891	12,757	421,913
1892	12,980	434,781
1893	13,217	447,879
1894	13,463	461,219
1895	13,720	474,809
1896	13,993	488,663
1897	14,291	502,803
1898	14,640	517,272

Table C-41

Area-Capacity-Elevation Chararcteristics of O.C. Fisher Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1850	0	0
1855	170	425
1860	268	1,521
1865	414	3,226
1870	676	5,952
1875	1,097	10,385
1880	1,647	17,245
1885	2,060	26,513
1890	2,577	38,106
1895	2,976	51,989
1900	3,630	68,505
1905	4,584	89,040
1908	5,187	103,697

Table C-42

Area-Capacity-Elevation Chararcteristics of Lake Nasworthy

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1846	0	0
1852	1	4
1853	2	6
1854	7	11
1855	20	24
1856	41	55
1857	63	107
1858	101	189
1859	158	319
1860	207	502
1861	274	742
1862	365	1,062
1863	484	1,487
1864	584	2,021
1865	676	2,651
1866	775	3,377
1867	881	4,205
1868	990	5,141
1869	1,075	6,173
1870	1,147	7,285
1871	1,218	8,467
1872	1,294	9,724
1872.2	1,380	9,991

Table C-43
Area-Capacity-Elevation Chararcteristics of Lake Coleman
Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1662	0	0
1663	3	2
1664	8	7
1665	14	19
1666	20	36
1667	26	59
1668	32	89
1669	38	124
1670	44	165
1671	55	215
1672	68	277
1673	83	353
1674	104	446
1675	125	561
1676	146	697
1677	167	854
1678	188	1,032
1679	209	1,230
1680	230	1,450
1681	258	1,695
1682	287	1,967
1683	317	2,270
1684	347	2,602
1685	380	2,966
1686	413	3,363
1687	447	3,793
1688	484	4,259
1689	520	4,761
1690	561	5,302
1691	594	5,880
1692	627	6,490
1693	660	7,134
1694	693	7,811
1695	727	8,521
1696	761	9,266
1697	795	10,044
1698	829	10,856
1699	866	11,704
1700	906	12,590
1701	949	13,518
1702	995	14,490
1703	1,045	15,511
1704	1,098	16,582
1705	1,155	17,709
1706	1,217	18,896
1707	1,281	20,145
1708	1,346	21,459
1709	1,412	22,838
1710	1,478	24,283
1711	1,546	25,796
1712	1,611	27,374
1713	1,675	29,018
1714	1,738	30,724
1715	1,809	32,498
1716	1,871	34,339
1717	1,935	36,242
1717.5	1,965	37,217

Table C-44

Area-Capacity-Elevation Chararcteristics of Twin Buttes Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1875	0	0
1877	9	9
1880	189	307
1885	509	2,053
1887	589	3,152
1890	689	5,070
1895	889	9,016
1896	989	9,955
1900	1,189	14,312
1903	1,389	18,180
1905	1,564	21,134
1910	2,089	30,267
1915	2,689	42,214
1920	3,419	57,485
1925	4,414	77,069
1930	5,709	102,378
1933	6,589	120,825
1935	7,239	134,654
1937	7,889	149,782
1940.2	8,919	176,676

Table C-45

Area-Capacity-Elevation Chararcteristics of Colorado City Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
2030	0	0
2035	63	157
2040	208	833
2045	384	2,312
2050	568	4,691
2055	734	7,620
2055	753	7,992
2060	955	12,261
2065	1,179	17,595
2070	1,433	24,123
2070.3	1,451	24,556

Table C-46

Area-Capacity-Elevation Chararcteristics of Champion Creek Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
2010	0	0
2015	13	32
2020	45	175
2025	90	511
2028	121	827
2030	147	1,094
2035	219	2,007
2040	307	3,321
2045	406	5,102
2050	511	7,393
2055	624	10,229
2060	745	13,650
2065	875	17,698
2070	1,004	22,394
2075	1,164	27,812
2080	1,366	34,136
2083	1,504	38,440

Table C-47

Area-Capacity-Elevation Chararcteristics of Mountain Creek Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1823.2	0	0
1831.3	7	28
1839.4	44	232
1847.5	82	741

Table C-48

Area-Capacity-Elevation Chararcteristics of Brady Creek Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1685	0	0
1705	50	504
1710	112	911
1713	172	1,267
1715	237	1,780
1718	312	2,467
1720	397	3,354
1723	527	4,510
1725	662	5,998
1727.5	812	7,841
1730	967	10,066
1732.5	1,132	12,691
1735	1,322	15,759
1737.5	1,512	19,303
1740	1,717	23,340
1743	1,972	28,875

Table C-49

Area-Capacity-Elevation Chararcteristics of Lake Winters

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1758	0	0
1764	61	186
1768	130	569
1772	211	1,252
1776	246	2,166
1780	325	3,309
1784	414	4,788
1788	557	6,731
1790	627	7,915

Table C-50

Area-Capacity-Elevation Chararcteristics of Hords Creek Reservoir

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1853	0	0
1860	12	43
1862	21	76
1864	30	127
1866	47	205
1868	73	325
1870	98	496
1872	112	707
1874	125	944
1876	137	1,207
1878	145	1,489
1880	154	1,788
1882	177	2,120
1884	200	2,497
1886	225	2,922
1888	253	3,401
1890	282	3,936
1892	319	4,538
1894	355	5,212
1896	397	5,964
1898	443	6,805
1900	489	7,737

Table C-51

Area-Capacity-Elevation Chararcteristics of Lake Brownwood

Estimated Conditions as of the year 2000

Elevation (feet)	Area (acres)	Capacity (acre-feet)
1359	0	0
1370	52	197
1380	230	1,408
1390	1,051	7,061
1400	2,278	23,320
1410	3,873	54,032
1415	4,609	75,198
1416	4,807	79,906
1417	5,007	84,814
1418	5,227	89,928
1419	5,463	95,275
1420	5,692	100,858
1421	5,880	106,644
1422	6,043	112,609
1423	6,196	118,728
1424	6,392	125,001
1425	6,587	131,429

DRAFT *7/26/2000*

SOCIO-ECONOMIC IMPACTS OF NOT MEETING WATER NEEDS

REGION F REGIONAL WATER PLANNING GROUP

SECTION 1 SUMMARY OF RESULTS

Section 357.7(4) of the rules for implementing Senate Bill 1 require that the social and economic impact of not meeting regional water supply needs be evaluated by the Regional Water Planning Groups (RWPG). The Texas Water Development Board (TWDB) is required to provide technical assistance, upon request, to complete the evaluations. The Board has offered its staff to conduct the required analysis of the impacts of the identified needs for each region, using a common methodological approach for all regions.

The Region F Regional Water Planning Group submitted a request to TWDB for assistance. Board staff has completed the analysis of the social and economic impacts of not meeting water needs as identified in Exhibit B, Table 7. TWDB evaluated each negative value, showing an unmet water need for an individual water user group (WUG), using data that connected water use with the economy and the population of the region.

The detailed results of the analysis are found in Tables 9 and 10, included in Section 3 of this report. Each water user group with a need is evaluated in terms of direct and indirect economic and social impact on the region resulting from the shortage. Economic variables chosen by TWDB for this analysis include gross economic output (sales and business gross income), employment (number of jobs) and personal income (wages, salaries and proprietors net receipts). The effects of shortages on population and school enrollments are the social variables of the analysis. Declining populations indicate a deprecation of social services in most, but not every case, while declining school enrollment indicates loss of younger cohorts of the population and possibilities of strains on the tax bases, when combined with economic losses. RWPGs are allowed to expand this analysis at their discretion.

The purpose of this element of Senate Bill 1 planning is to give the regions an estimate of the potential costs of not acting to meet anticipated needs in each water user group, or conversely, the potential benefit to be gained from devising a strategy to meet a particular need. Collectively, the summation of all the impacts gives the region a view of the ultimate magnitude of the impacts caused by not meeting all of the entire list of needs. These summations should be considered a worst-case scenario for the region, since the likelihood of not meeting the entire list of needs is very small.

IMPACTS OF UNMET WATER NEEDS FOR THE REGION

The Region F Regional Water Planning Group identified individual water user groups which showed an unmet need during drought-of-record supply conditions for each decade from 2000 to 2050.

The region projected that total water demands would grow from 881 thousand acre-feet in 2000 to 887 thousand acre-feet in 2030, rising steadily to 900 thousand acre-feet in 2050.

Under extreme supply limitations and with no management strategies in place, water shortages would amount to 214 thousand acre-feet in 2000, rising to 227 thousand acre-feet in 2030 and to 236 thousand acre-feet by 2050.

The water needs of the region amount to about 24% of the forecasted demand by 2020, rising to 26% of demand in 2040 and in 2050. This means that by 2050 the region would be able to supply only 74% of the projected needs unless supply development or other water management strategies are implemented.

(See Figure 1 and Table 1)

Economic Growth Limitations

The difference between expected future growth, unrestricted by water shortage, and expected growth restricted by unmet water needs provides the measure of impact.

Employment–
Left entirely unmet, the level of shortage in 2010 results in 10 thousand fewer jobs than would be expected in unrestricted development (without water needs) by 2010. The gap between unrestricted and restricted job growth grows to 42 thousand by 2030,and to 68 thousand jobs that the restricted economy could not create by 2050.

Population–
The forecasted population growth of the region would be economically restricted by curtailed potential job creation. This in turn causes both an outmigration of some current population and an expected curtailment of future population growth. Compared to the baseline growth in population, the region could expect 6 thousand fewer people in 2010, growing to 25 thousand fewer in 2030 and 40 thousand fewer in 2050. The expected 2050 population under the severe shortage conditions would be 16% lower than projected in the region's most likely growth forecast.

Income–
The potential loss of economic development in the region amounts to about 3% less income to people in 2010, with the gap growing to 10% less than expected in 2030. By 2050 the region would have 15% less income than is currently projected assuming no water restrictions.

Water User Groups with Shortages

The economic and social impact of an unmet water need varies greatly depending on the type of Water User Group for which the shortage is anticipated. On a per acre-foot basis, the largest impacts will generally result from shortages in manufacturing and municipal uses, while shortages for irrigation will typically result in the smallest impact. Table 2 (in Section 2 of this report) presents the impacts of unmet water needs summarized for each of the six types of Water User Group.

In the beginning, the economic and social impacts of unmet water needs in Region F are relatively balanced among municipal, manufacturing, mining and irrigation water shortages, even though the largest water needs are in irrigation. However, in the later years, the majority of the impacts of unmet needs result from municipal shortages.

In 2010, municipalities have unmet needs of 4,600 acre-feet, 2% of the total unmet needs. The economic impacts of this shortage (6 thousand jobs, $418 million in output, and $148 million of income) represent approximately 50% of the total impacts. By 2050, unmet municipal needs total 39 thousand acre-feet (16% of the total) resulting in 59 thousand jobs not created, and reductions of $4 billion in potential output and $1.5 billion in potential income.

The impact of not meeting manufacturing needs increases over time. In 2010, manufacturing has unmet needs of 1,245 acre-feet, less than one percent of the total unmet needs. The economic impacts of this shortage include loss of nearly 2 thousand jobs (17% of the total employment impact) and $216 million in output (22% of the total output impact). In 2050, unmet manufacturing needs are 2 thousand acre-feet (1% of the total) resulting in 4 thousand jobs not created and reduction of $531 million in output (10% of the total output impact).

Unmet irrigation needs represent the largest category of need, but, due to the relatively small value of economic output added per acre-foot, the impacts of not meeting irrigation needs are considerably less. In 2010, irrigation has unmet needs of 193 thousand acre-feet, 89% of the total. The economic impacts of the shortage (1,032 direct and indirect jobs, $70 million in output, and $17 million in income) represent less than 10% of the total economic impact. By 2050, even though the unmet irrigation needs are 72% of total needs, they account for only about one percent of the total economic and social impact.

Shortages projected for steam electric generation and mining would each result in the loss of about one thousand jobs in each decade, and a constant unmet need of 39 acre-feet for livestock has a very small impact.

INTERPRETATION OF THE RESULTS

Users are cautioned not to assume that the entire list of needs with impacts is a prediction of future water disasters. These data simply give regional planners one source of information by which to develop efficient and effective means to meet the needs and avoid calamities.

Some clarification is needed to understand the impact numbers. The following points must be kept in mind when using the data:

a) The impacts are expressed in terms of regional impact. Thus, individual water user group shortages are shown as they influence the entire region's economy and not just the limits of the direct impact. The total impact of municipal shortage for a particular city, for example, includes the direct impact within the city limits and the impact indirectly through the region. The indirect linkages were derived from regional economic models. There are no models for individual water user groups.

b) While the entirety of an estimated impact applies to the region as a whole, a significant portion will generally be felt in the local area where the shortage occurs. An impact that is of a small magnitude relative to impacts of other shortages on other areas may be extremely severe if its magnitude is large relative to the size of the local economy. Thus, while the absolute magnitude of agricultural shortages may appear to be small, the true severity of the impact may be much more significant to the surrounding rural area.

c) Water supplies are calculated on drought-of-record levels. Shortages that show up for the 2000 decade and beyond are considered to be mostly the result of severe dry conditions; this contributes to the apparent abnormally large size of some impacts. This approach to supply analysis results in a worst-case scenario. Historically, most water user groups have at least partially met their needs through management of the remaining supplies, either by conservation, limitations on lower-valued uses such as lawn watering, or finding alternative sources of water. The results in this report assume no applied management strategies. The entirety of the needs is not met in any fashion.

d) The analysis begins by calculating water use coefficients–defined as production (dollars of sales to final customers, or final demand) resulting from use of an acre-foot of water. This measure is considered an average, not marginal measure of water use. Thus, the analysis does not attempt to measure the market forces that would tend to drive the price of water higher or reserve limited water for the highest-valued uses, as it becomes scarce. The average value approach was used because the analysis is intended to show the present value in today's regional economies of differing amounts of water use. With this information analysts can answer the question, "How much water does it take to support the current level and structure of economic activity and population?" The baseline projections for the future of regional economies assume a continuation of this known relationship of volumes of water use to economic output, under current structures of use. The models do not attempt to estimate the market allocation of the resource among competing activities because this change in structure is considered a possible management strategy–relying on market forces to work in a water-marketing system. Marginal cost analysis would be necessary for evaluating such an approach.

e) The Municipal water use category includes commercial establishments. The impacts from even small shortages in many such establishments are considerably higher on a per-acre-foot basis than in any other category. Thus, relatively small Municipal shortages can have a very large amount of economic impact, since the analysis assumes a direct relationship between curtailed water use and lost economic production. Since this analysis is intended to provide impacts without assuming any strategies, the normal response of conservation programs is not assumed. The impact data appear to overstate the Municipal category, but the results are consistently measured, since no response to the shortage is assumed that would mitigate loss of critical water used in commercial and residential settings.

f) The sizes of the projected impacts do not represent reductions from the current levels of economic activity or population. That is, the data are a comparison between a baseline forecast, assuming no water shortages, and a restricted forecast, based on the assumption of future water shortages. In some cases, with severe water shortages the regional economy could actually decline, dropping employment below current levels. For most regions, however, the measurement of impact represents an opportunity cost, or lost potential development that would be foregone in the absence of water management strategies.

OVERVIEW OF THE METHODOLOGY

Estimation of the socioeconomic impact of unmet water needs begins with estimation of the direct impact of the absence of water on the individual or business making productive use of the water. The direct economic impact of unmet water needs is defined as the dollar value of final demand (production for sale to final consumers) that could not be produced because of the absence of water. This direct impact per acre-foot was estimated by region for each type of water user – residential, commercial, manufacturing, irrigation, livestock, mining, and steam-electric.

The term *Water Use Coefficients* is used in this study to refer to the direct impact on the different water user groups of the loss of one acre-foot of water. Estimates were based on the average value of output added per acre-foot of water used by those firms/individuals that are reliant on water (i.e., where lack of water would result in inability to operate or at least cause significant curtailment of operations).

The total regional impact of water shortage does not end with the direct impact. Indirect impacts (often referred to as third-party impacts) refer to the reduction of output by firms/individuals which result from change in operations by those who are directly impacted by lack of water. Those who are directly impacted, producing less due to lack of water, will make fewer purchases of inputs, thus resulting in losses to the firms/individuals who produce and sell those products. These firms, facing less demand for their products, then reduce their purchases from their own suppliers. Indirect impacts can thus be said to continue to ripple throughout the economy.

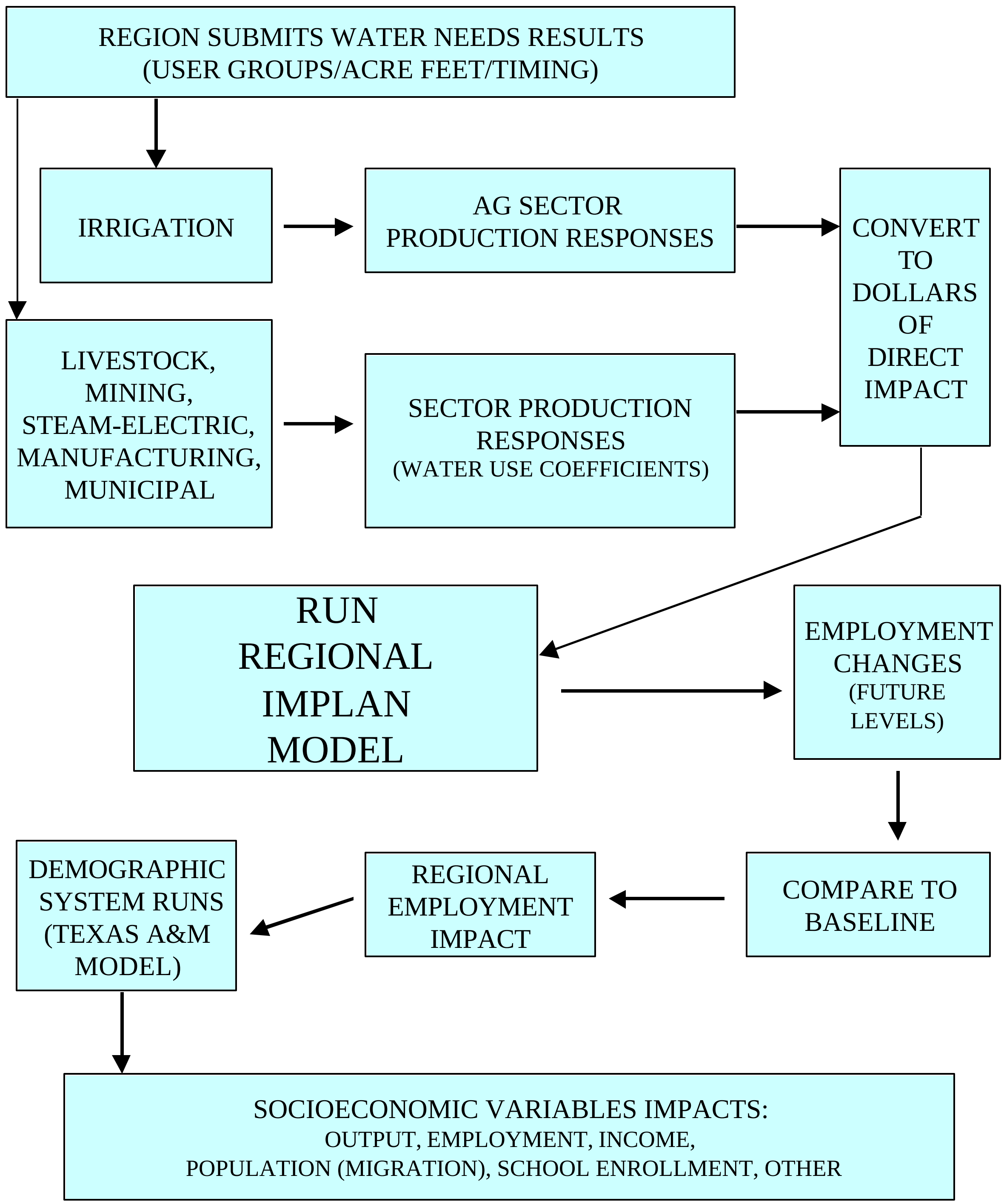
The most common method of estimating the extent of indirect impact is the *Input-Output Model*. This type of model uses actual data from local economies to show the buying and selling linkages among the different economic sectors. For this study, input-output models were assembled for each of the 16 regions from county-level input-output models developed by the Minnesota Implan Group. Data from these models are available in Attachment B.

The total extent of economic loss, direct plus indirect impact relative to the estimated direct impact, is derived from the input-output model in the form of a *multiplier*. Multipliers have been derived to estimate the total impact on three important economic variables – Total business output, personal income, and employment.

In addition to the economic impacts related to water shortages, demographic changes would also be expected to take place. While availability of jobs is not the sole reason for living in a given place, the absence of jobs created would be expected to cause many current residents to leave a region in search of other opportunities or cause reduction of anticipated migration into the region by current nonresidents. Thus, the estimated employment impact was used to estimate change in two important social variables – regional population and school enrollment.

The relationship between employment change and change in population and school enrollment was estimated using the model developed for the Texas Population Estimates and Projections Program, specifically modified for the purposes of this study by the Department of Rural Sociology at Texas A&M University.

FLOW OF THE ANALYSIS SYSTEM



Detailed Data Availability

The data in Section 3, Tables 9.00 through 9.50 show the impacts on the socioeconomic variables for each water user group by decade, 2000 (Table 9.00) through 2050 (Table 9.50). Tables 10.00 through 10.50 correspond to the same decades as for Table(s) 9, but provides additional detail on the impact in each river basin where a shortage for a particular water user group occurs in two or more basins. Users can consult the tables to determine any remaining unmet needs after the management strategies to meet the needs are determined by the RWPG. Each unmet, or partially met, need can be added together to determine the remaining economic development costs of not meeting the needs.

Under the Rules the RWPG can determine any social impact or other economic variables of impact at its discretion. The analysis submitted by TWDB represents the assistance provided upon request. The underlying data and calculation techniques are available to each region.

The Attachments to this report will provide the RWPG with details of the data used in its region and the worksheets used in the calculations. Staff of TWDB is available to answer technical questions about the data.

SECTION 2 SUMMARY DATA

Table 2 provides details of the summary of regional water needs before management strategies are in place, including the needs impacts listed by category of use.

The Table should be used only for measuring the extreme limit of lost potential economic development for the region as a whole, caused by complete lack of development of water supplies in the region for those water user groups in need of supply.

The data are not a prediction or forecast of water shortages, but show the cumulative effect of simultaneous unmet needs for those with potential shortages.

Water use categories include Municipal (residential and commercial), Manufacturing (industry), Steam Electric Power (consumptive use), Mining (including oil and gas), Irrigation (on-farm water use) and Livestock. The level of impact is largely determined by which category has an unmet shortage. Under the analysis system, small amounts of water shortage in the Municipal category can cause relatively large economic impacts, since water use is measured against value of production. Thus, unmet needs in the Municipal category often overshadow those in other categories. Often, however, relatively small adjustments to the supply allocations can be strategically made to meet less water intensive needs, producing large positive impacts. These decisions are part of the RWPGs responsibilities. The data provided by the Summary tables can point to the sources of most of the potential economic and social impacts.

SECTION 3 EXHIBIT B, TABLES 9 AND 10

Tables 9.00 through 9.50 show the impacts on the socioeconomic variables for each water user group by decade, 2000 (Table 9.00) through 2050 (Table 9.50). Tables 10.00 through 10.50 correspond to the same decades as for Table(s) 9, but provides additional detail on the impact in each river basin where a shortage for a particular water user group occurs in two or more basins.

Note: In these tables, for all entities other than cities, the last three digits of the Water User Group identifier represent the county code. The following list shows county codes and corresponding county names for this region.

CODE	COUNTY NAME
2	ANDREWS
17	BORDEN
25	BROWN
41	COKE
42	COLEMAN
48	CONCHO
52	CRANE
53	CROCKETT
68	ECTOR
87	GLASSCOCK
114	HOWARD
118	IRION
134	KIMBLE
151	LOVING
154	MCCULLOCH
159	MARTIN
160	MASON
164	MENARD
165	MIDLAND
168	MITCHELL
186	PECOS
192	REAGAN
195	REEVES
200	RUNNELS
207	SCHEICHER
208	SCURRY
216	STERLING
218	SUTTON
226	TOM GREEN
231	UPTON
238	WARD
248	WINKLER

ATTACHMENT A

WATER USE COEFFICIENTS

REGION F WATER PLANNING REGION

Water Use Coefficients, as used in this study, represent the average dollar value of output sold to final demand per acre-foot of water used in the production of this output.

For 4 of the 6 types of Water User Group, a single Water Use Coefficient has been estimated for all users in the region:

Water User Group	Water Use Coefficient ($ per acre-foot)
Steam Electric	15,459
Mining	10,643
Irrigation	187
Livestock	16,734

The Municipal water user group provides water for both commercial and residential users, each of which were estimated to have a different water use coefficient. The distribution of water use between the two types of users was assumed to vary depending on whether the water user group had a city or a "county other" classification. For cities, the assumed distribution is dependent on population.

User Type	Water Use Coefficient ($ per acre-foot)
Residential	34,437
Commercial	193,356

Population	% Sales to Residential	% Sales to Commercial
< 5000	91.49%	8.51%
5,000-10,000	78.85%	21.15%
10,000-25,000	84.91%	15.09%
25,000-50,000	77.92%	22.08%
50,000-250,000	80.95%	19.05%
> 250,000	61.49%	38.51%
"County Other"	94.15%	5.85%

Water use coefficients for manufacturing were estimated separately for individual counties, based on the distribution of water use among different manufacturing industries in the county and the average productivity of water in different types of manufacturing industries.

County	Water Use Coefficient ($ per acre-foot)
ANDREWS	434,608
BORDEN	434,608
BROWN	234,754
COLEMAN	434,608
ECTOR	59,399
HOWARD	105,319
KIMBLE	48,854
MCCULLOCH	392,184
MARTIN	48,260
MIDLAND	424,938
PECOS	138,963
REEVES	404,286
RUNNELS	428,575
TOM GREEN	262,767
WARD	48,260
WINKLER	91,475

ATTACHMENT B

REGIONAL ECONOMIC MODEL DATA, MULTIPLIERS AND BASE YEAR VARIABLES

REGION F WATER PLANNING REGION

The impact analysis was conducted using a regional interindustry (input/output) model for the region. These models were developed by TWDB using IMPLAN Professional™ Version 2.0 software, a proprietary product of MIG, Inc. of Stillwater, MN. The county economic data was provided in a dataset containing details for 586 economic sectors in Texas for 1995. TWDB collapsed these sectors into models of seven sectors, representing the major water use categories used in water development planning. The data are unique to the region.

For this region, the summary data in IMPLAN for the 1995 base year for major economic variables were as follows:

POPULATION	583,045	
EMPLOYMENT	308,232	
HOUSEHOLDS	241,911	
TOTAL PERSONAL INCOME	$10.924 Billion	In 1999 dollars– $11.94 Billion

The tables on the following pages include 1) the base year Final Demands for the seven water use sectors and 2) the multipliers used to estimate the indirect impacts from economic changes due to water shortages by sector.

The Final Demand data were used to calculate the Water Use Coefficients by matching each sector's dollar totals to volumes of water use in the corresponding category for the calendar year–base year 1995. The result is an average of production associated with an acre-foot of water use. This measure produces an average value of water in terms that can be used to apply the IMPLAN multipliers. Regional indirect economic changes can then be estimated.

The multipliers are ratios that, when applied to the direct changes (estimated by the Water Use Coefficients in Attachment A), result in a total impact on the entire region. The impact totals represent the sum of successive changes among all economic sectors caused by the initial change in the affected sector. Multipliers are listed for Employment, Output (Gross Sales or Receipts), and Income (earned income from business and labor activity, not including transfer payments).

ATTACHMENT C LETTER OF REQUEST FOR TECHNICAL ASSISTANCE

Development of Cost Estimates

A cost estimate was prepared for each proposed strategy that passed the initial screening process. In most cases the designs used in the strategies are conceptual and require detailed engineering studies prior to implementation of the strategy. The development of cost estimates is governed by Appendix B Section 1.7 of the Region F contract with the Texas Water Development Board. The cost estimates include construction costs, other project development costs, and annual costs. Other project costs include engineering and contingencies, environmental and archeological studies, and interest during construction. Annual costs include debt service, operation and maintenance, electricity, and purchase of water. Capital costs are set at mid-1999 price levels with no adjustment for future inflation. Standardized costs were used in order to make an equitable comparison of the cost of various alternatives. Actual construction and capital costs may be higher or lower depending upon site conditions, financing options, permitting, water purchase price, costs of electricity, time of construction and other factors.

The cost estimates use standard costs for installed pipe, ground storage tanks, pump stations and standard treatment facilities developed from experience with similar projects throughout the State of Texas. All unit costs include the contractors' mobilization, overhead and profit. Installed pipe costs also include appurtenances and an allowance for resolving conflicts. In some cases standard pipe costs were adjusted for installation conditions or major conflicts such as river crossings. Other assumptions include costs for purchase of treated or raw water, treated effluent, and environmental and archeological studies. These costs may vary substantially from actual costs. Costs for reservoirs and water wells were developed using site-specific criteria.

Summary of Strategy Costs

			Capital Costs			Annual Costs						
Water User	Alternative	Quantity (AF/Y)	Construction Costs	Other Project Costs	Total Capital Costs	Annualized Project	Pumping (electrical)	Water Purchase	O&M	Total Annual Costs	Cost/1,000 gal	Cost per AF/Y
Midland	T-Bar Well Field, Winkler County	13,449	$46,096,000	$19,752,000	$65,848,000	$4,784,000	$1,104,000	$0	$629,000	$6,517,000	$1.49	$485
Runnels	Expand Ballinger WTP	552	$2,000,000	$813,000	$2,813,000	$204,000	$0	$0	$63,000	$267,000	$1.48	$483
	Temporary Supplies from CRMWD	280	$0	$0	$0	$0	$3,000	$152,000	$0	$155,000	$1.70	$554
	Increase delivery via North Runnels WSC	200	$800,000	$319,000	$1,119,000	$81,000	$5,000	$130,000	$14,000	$230,000	$3.53	$1,150
San Angelo	Improvements to Delivery from CRMWD to San Angelo	15,000	$4,620,000	$1,877,000	$6,497,000	$472,000	$558,000	$0	$116,000	$1,146,000	$0.20	$64
	Direct Pipeline from McCulloch Well Field to San Angelo	12,000	$46,444,000	$19,511,000	$65,955,000	$4,792,000	$410,000	$0	$732,000	$5,934,000	$1.52	$495
	Pipeline from McCulloch Well Field to Ivie	12,000	$31,093,000	$13,268,000	$44,361,000	$3,223,000	$721,000	$0	$367,000	$4,311,000	$1.10	$359
Junction	Two new wells in Kimble Co.	112	$586,000	$222,000	$808,000	$59,000	$1,000	$6,000	$12,000	$78,000	$2.14	$696
City of Menard	Install 1 well in Edwards-Trinity	56	$373,000	$144,000	$517,000	$37,600	$500	$2,800	$6,700	$47,600	$2.61	$850
Early	Purchase treated water from BCWID	245	$376,000	$159,000	$535,000	$39,000	$0	$160,000	$6,000	$205,000	$2.57	$837
	Treatment Plant Expansion	245	$1,300,000	$529,000	$1,829,000	$133,000	$0	$100,000	$28,000	$261,000	$3.27	$1,065
Brown County Other	Brownwood to May Pipeline	586	$5,110,000	$2,101,000	$7,211,000	$524,000	$26,000	$382,000	$80,000	$1,012,000	$5.30	$1,727
Hickory Users	Lake Ivie Water Treatment Plant	1,000	$9,433,000	$4,340,000	$13,773,000	$1,001,000	$30,000	$370,000	$247,000	$1,648,000	$5.06	$1,648
	New Hickory Well Fields	2,600	$9,908,000	$5,287,000	$15,195,000	$1,104,000	$171,000	$0	$147,000	$1,422,000	$1.68	$547
	Ellenburger Well Field	800	$6,712,000	$3,515,000	$10,227,000	$743,000	$105,000	$0	$114,000	$962,000	$3.69	$1,203
	San Saba Off-Channel Reservoir	2,600	$24,953,000	$13,354,000	$38,307,000	$2,783,000	$627,000	$341,000	$579,000	$4,330,000	$5.11	$1,665
	San Saba Off-Channel Reservoir	1,500	$16,906,000	$8,906,000	$25,812,000	$1,876,000	$349,000	$190,000	$377,000	$2,792,000	$5.71	$1,861
	Purchase Water from Brown County WCID #1	1,000	$10,081,000	$4,134,000	$14,215,000	$1,033,000	$93,000	$484,000	$146,000	$1,756,000	$5.39	$1,756
	Brady Creek Reservoir 3MGD Water Treatment Plant	2,200	$11,966,000	$5,424,000	$17,390,000	$1,264,000	$60,000	$372,000	$64,000	$1,760,000	$2.46	$800
Eden	Well Field in Edwards - Trinity	545	$2,283,000	$1,675,751	$3,958,751	$287,599	$19,000	$0	$38,955	$345,554	$1.95	$634
Kimble Manufacturing	Develop seven new wells within 15 miles	1,549	$4,286,000	$1,553,000	$5,839,000	$425,000	$33,000	$155,000	$93,000	$706,000	$1.40	$456
Crockett Steam Electric Power	6 New wells in Pecos Co. in existing wellfield.	1,900	$2,478,000	$955,000	$3,433,000	$250,000	$41,000	$0	$48,000	$339,000	$0.55	$178
Mitchell Steam Electric Power	Construct 3 Plants at Other Sources	5,263	$2,958,000	$1,110,000	$4,068,000	$296,000	$45,000	$2,143,000	$72,000	$2,556,000	$1.49	$486
Tom Green Steam Electric	Delivery of Treated Effluent to Lake Nasworthy Power Plant	2,500	$5,859,000	$2,639,000	$8,498,000	$618,000	$55,000	$408,000	$124,000	$1,205,000	$1.48	$482

Summary of Strategy Costs

			Capital Costs			Annual Costs						
Water User	Alternative	Quantity (AF/Y)	Construction Costs	Other Project Costs	Total Capital Costs	Annualized Project	Pumping (electrical)	Water Purchase	O&M	Total Annual Costs	Cost/1,000 gal	Cost per AF/Y
Ward Steam Electric Power	Move SEP Demands to Winkler County and Develop 10 New Wells Within 10 miles of Plant	6,782	$6,608,000	$2,327,000	$8,935,000	$650,000	$145,000	$679,000	$143,000	$1,617,000	$0.73	$238
Ector Mining	Develop 30 new wells in Dockum Aquifer	4,500	$5,490,000	$2,083,000	$7,573,000	$551,000	$96,000	$126,000	$186,000	$959,000	$0.65	$213
Ector Mining	Develop 12 new wells in Pecos Alluvium	1,800	$2,196,000	$834,000	$3,030,000	$221,000	$39,000	$51,000	$75,000	$386,000	$0.66	$214
Reagan Mining	Non-Potable Water from Edwards-Trinity	1,481	$2,745,000	$1,042,000	$3,787,000	$276,000	$19,000	$42,000	$93,000	$430,000	$0.89	$290
Reeves Mining	Non-Potable water from Pecos Alluvium	175	$366,000	$140,000	$506,000	$37,000	$4,000	$5,000	$13,000	$59,000	$1.03	$337
Upton Mining	No water available	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Ward Mining	Non-Potable water from Pecos-Alluvium	635	$732,000	$279,000	$1,011,000	$74,000	$14,000	$18,000	$25,000	$131,000	$0.63	$206
Martin Mining	Use Non-Potable Surface Water from Natural Dam Lake and	1,196	$3,887,000	$1,399,000	$5,286,000	$385,000	$31,600	$0	$52,900	$469,500	$1.20	$393
Eldorado	Expand well field in Edwards-Trinity	225	$255,600	$219,300	$474,900	$34,600	$1,500	$0	$4,900	$41,000	$0.56	$182
Robert Lee	Lake Spence with reverse osmosis	800	$1,743,520	$737,931	$2,481,451	$181,000	$7,000	$325,600	$199,795	$713,395	$2.74	$892
Bronte	Purchase water from Robert Lee	300	$1,110,000	$431,500	$1,541,500	$112,000	$5,100	$293,040	$16,350	$426,490	$4.37	$1,422
CRMWD-MWP	Winkler Well Field 16 mgd capacity	6,000	$25,381,000	$10,910,000	$36,291,000	$2,637,000	$480,000	$0	$332,000	$3,449,000	$1.76	$575
CRMWD-MWP	Ivie Improvements 23 mgd additional capacity	16,400	$10,516,000	$4,352,000	$14,868,000	$1,081,000	$3,771,000	$0	$263,000	$5,115,000	$0.96	$312

WUGNAME:	Midland
STRATEGY:	T-Bar Well Field, Winkler County
AMOUNT (ac-ft/yr):	13,449

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Well Field Facilities					
Water Wells		20	EA	$50,000	$1,000,000
Transmission to Pump Station	10 in.	50,000	LF	$28	$1,400,000
Transmission Facilities					
Pipeline	36 in.	368,860	LF	$91	$33,567,000
Storage Tank at High Point	6 MG	1	LS	$1,043,000	$1,043,000
Pump Station at Well Field	1400 HP	1	LS	$3,500,000	$3,500,000
Storage Tank at Well Field	6 MG	1	LS	$1,043,000	$1,043,000
Booster Station	1400 HP	1	LS	$3,500,000	$3,500,000
Storage Tank at Booster Station	6 MG	1	LS	$1,043,000	$1,043,000
Subtotal Construction Costs					*$46,096,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$14,386,000
Environmental and Archeological Studies		368,860	LF	$0.60	$221,000
Right of way easements (ROW)		368,860	LF	$1.00	$369,000
Subtotal Other Costs					*$14,976,000*
Interest During Construction (24 months) Construction and Non-Construction Cost					*$4,776,000*
Total Capital Project Costs					**$65,848,000**
Annual Costs					
Debt Service (30 years at 6%)					$4,784,000
Electricity ($0.06 per kWh)					$1,104,000
Operation and Maintenance					
Pipeline (1% of construction cost)					$350,000
Other facilities (2.5% of construction cost)					$279,000
Total Annual Costs					**$6,517,000**
Annual Cost ($ per acre-feet)					**$485**
Annual Cost ($ per 1000 gallons)					**$1.49**

WUGNAME:	Runnels
STRATEGY:	Increase delivery via North Runnels WSC
AMOUNT (ac-ft/yr):	200

Temporary Supplies from CRMWD					
Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Water Line from Ballinger to Winters	6"	45,000	LF	$10	$450,000 [a]
Pump Stations	60 HP	2	EA	$175,000	$350,000 [a]
Subtotal Construction Costs					*$800,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$258,000 [c]
Environmental and Archeological Studies					$0
Right of way easements (ROW)					$0 [b]
Subtotal Other Costs					*$258,000*
Interest During Construction (18 months) Construction and Non-Construction Cost					*$61,000* [d]
Total Capital Project Costs					**$1,119,000**
Annual Costs					
Debt Service (30 years at 6%)					$81,000 [e]
Wholesale Purchase from City of Ballinger		200	AF	$652	$130,000
Electricity ($0.06 per kWh)					
Ballinger WTP to Winters		79,000	kWh	$0.06	$5,000 [h]
Operation and Maintenance					
Pipeline (1% of construction cost)					$5,000 [i]
Other facilities (2.5% of construction cost)					$9,000 [i]
Total Annual Costs					**$230,000**
Annual Cost ($ per acre-feet)					**$1,150** [j]
Annual Cost ($ per 1000 gallons)					**$3.53** [j]

Notes

a Quantities are from Jacob and Martin
b Assumed to use existing right-of-way
c 35% of cost of pump stations and 30% for other costs per TWDB guidance
d Assuming 18 month construction period
e 30 year loan at 6% interest
h 200 ac-ft per year with an assumed head loss of 540 ft
i 1% of cost for pipelines and 2.5% of cost for pump stations per TWDB guidance
j Based upon 200 AF of water per year

WUGNAME: Runnels
STRATEGY: Expand Ballinger WTP
AMOUNT (ac-ft/yr): 552

Ballinger WTP Expansion					
Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Water Treatment Plant Expansion	1 mgd	1	LS	$2,000,000	$2,000,000
Subtotal Construction Costs					*$2,000,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$700,000
Environmental and Archeological Studies					$0
Right of way easements (ROW)					$0
Subtotal Other Costs					*$700,000*
Interest During Construction (12 months) Construction and Non-Construction Cost					*$113,000*
Total Capital Project Costs					**$2,813,000**
Annual Costs					
Debt Service (30 years at 6%)					$204,000
Operation and Maintenance		180	MG	$350	$63,000
Total Annual Costs					**$267,000**
Annual Cost ($ per acre-feet)					**$483**
Annual Cost ($ per 1000 gallons)					**$1.48**

WUGNAME:	Runnels
STRATEGY:	Purchase water from CRMWD
AMOUNT (ac-ft/yr):	280

Temporary Supplies from CRMWD					
Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Subtotal Construction Costs					*$0*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$0
Environmental and Archeological Studies					$0
Right of way easements (ROW)					$0
Construction Total					$0
Subtotal Other Costs					$0
Construction Total					$0
Total Capital Project Costs					$0
Annual Costs					
Debt Service (30 years at 6%)					$0
Wholesale Purchase from CRMWD*		375	AF	$405	$152,000
Electricity ($0.06 per kWh)					
Colorado River to Lake Moonen		53,000	kWh	0.06	$3,000
Total Annual Costs					**$155,000**
Annual Cost ($ per acre-feet)					$554
Annual Cost ($ per 1000 gallons)					$1.70

* assume 25% losses during transmission

WUGNAME:	Tom Green
STRATEGY:	Improvements to Delivery from CRMWD to San Angelo
AMOUNT (ac-ft/yr):	15,000

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Pump Station	2700 HP	1	LS	$3,990,000	$3,990,000
Storage Tank	5 MG	1	LS	$630,000	$630,000
Subtotal Construction Costs					*$4,620,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$1,617,000
Environmental and Archeological Studies					$0
Right of way easements (ROW)					$0
Subtotal Other Costs					*$1,617,000*
Interest During Construction (12 months) Construction and Non-Construction Cost					*$260,000*
Total Capital Project Costs					**$6,497,000**
Annual Costs					
Debt Service (30 years at 6%)					$472,000
Electricity ($0.06 per kWh)					$558,000
Operation and Maintenance					
Storage Tank (2.5% of construction cost)					$16,000
Other facilities (2.5% of construction cost)					$100,000
Total Annual Costs					**$1,146,000**
Annual Cost ($ per acre-feet)					**$64**
Annual Cost ($ per 1000 gallons)					**$0.20**

WUGNAME:	San Angelo
STRATEGY:	Direct Pipeline from McCulloch Well Field to San Angelo
AMOUNT (ac-ft/yr):	12,000

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Well Field Facilities					
Water Wells		19	EA	$250,000	$4,750,000
Well field pipeline	10 in.	69,680	LF	$28	$1,951,000
Well field pipeline	12 in.	107,320	LF	$32	$3,434,000
Well field pipeline	14 in.	3,280	LF	$37	$120,000
Well field pipeline	16 in.	5,280	LF	$41	$216,000
Well field pipeline	18 in.	5,280	LF	$45	$235,000
Well field pipeline	20 in.	5,280	LF	$48	$253,000
Well field pipeline	24 in.	10,000	LF	$56	$560,000
Well field pipeline	27 in.	3,280	LF	$65	$213,000
Well field pipeline	30 in.	2,000	LF	$74	$148,000
Rehab existing wells		9	EA	$100,000	$900,000
Transmission Facilities					
Transmission Pipeline	36 in.	303,934	LF	$91	$27,658,000
Storage Tanks	6 MG	2	LS	$1,043,000	$2,086,000
Pump Station at Well Field	2600 HP	1	LS	$3,920,000	$3,920,000
Subtotal Construction Costs					*$46,444,000*

Other Project Costs	**Quantity**	**Unit**	**Unit Price**	**Cost**
Engineering and Contingencies (30% pipelines, 35% other facilities)				$14,516,000
Environmental and Archeological Studies	303,934	LF	$0.60	$182,000
Right of way easements (ROW)	30,393	LF	$1.00	$30,000
Subtotal Other Costs				*$14,728,000*
Interest During Construction (24 months) Construction and Non-Construction Cost				*$4,783,000*
Total Capital Project Costs				**$65,955,000**

Annual Costs	
Debt Service (30 years at 6%)	$4,792,000
Electricity ($0.06 per kWh)	$410,000
Operation and Maintenance	
Pipeline (1% of construction cost)	$529,000
Other facilities (2.5% of construction cost)	$203,000
Total Annual Costs	**$5,934,000**
Annual Cost ($ per acre-feet)	**$495**
Annual Cost ($ per 1000 gallons)	**$1.52**

WUGNAME:	San Angelo
STRATEGY:	Pipeline from McCulloch Well Field to Ivie
AMOUNT (ac-ft/yr):	12,000

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Well Field Facilities					
Water Wells		19	EA	$250,000	$4,750,000
Well field pipeline	10 in.	69,680	LF	$28	$1,951,000
Well field pipeline	12 in.	107,320	LF	$32	$3,434,000
Well field pipeline	14 in.	3,280	LF	$37	$120,000
Well field pipeline	16 in.	5,280	LF	$41	$216,000
Well field pipeline	18 in.	5,280	LF	$45	$235,000
Well field pipeline	20 in.	5,280	LF	$48	$253,000
Well field pipeline	24 in.	10,000	LF	$56	$560,000
Well field pipeline	27 in.	3,280	LF	$65	$213,000
Well field pipeline	30 in.	2,000	LF	$74	$148,000
Rehab existing wells		9	EA	$100,000	$900,000
Transmission Facilities					
Transmission Pipeline	36 in.	161,100	LF	$91	$14,660,000
Storage Tanks	6 MG	1	LS	$1,043,000	$1,043,000
Outlet Structure		1	LS	$100,000	$100,000
Pump Station at Well Field	1100 HP	1	LS	$2,510,000	$2,510,000
Subtotal Construction Costs					*$31,093,000*

Other Project Costs	**Quantity**	**Unit**	**Unit Price**	**Cost**
Engineering and Contingencies (30% pipelines, 35% other facilities)				$9,793,000
Environmental and Archeological Studies	161,100	LF	$0.60	$97,000
Right of way easements (ROW)	161,100	LF	$1.00	$161,000
Subtotal Other Costs				*$10,051,000*

Interest During Construction (24 months) Construction and Non-Construction Cost	*$3,217,000*
Total Captial Project Costs	**$44,361,000**
Annual Costs	
Debt Service (30 years at 6%)	$3,223,000
Electricity (McCulloch to Ivie, $0.06 per kWh)	$158,000
Electricity (Ivie to San Angelo, $0.06 per kWh)	$563,000
Operation and Maintenance	
Pipeline (1% of construction cost)	$275,000
Other facilities (2.5% of construction cost)	$92,000
Total Annual Costs	**$4,311,000**
Annual Cost ($ per acre-feet)	**$359**
Annual Cost ($ per 1000 gallons)	**$1.10**

WUGNAME: Junction
STRATEGY: Two new wells in Kimble Co.
AMOUNT (ac-ft/yr): 112

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Wells (2)	2	EA	$18,500	$37,000
Connection to Pump Station	1	EA	$20,000	$20,000
6-in Pipeline	15,840	LF	$14	$229,000
Pump Station	1	EA	$300,000	$300,000
Subtotal Construction Costs				*$586,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$193,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)	3	MI	$3,636	$11,000
Subtotal Other Costs				*$204,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$18,000*
Total Capital Project Costs				**$808,000**
Annual Costs				
Debt Service (30 years at 6%)				$59,000
Electricity ($0.06 per kWh)				$1,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$3,000
Other facilities (2.5% of construction cost)				$9,000
Water Rights Purchase	112	AF	$50	$6,000
Total Annual Costs				**$78,000**
Annual Cost ($ Per Acre-Feet)				**$696**
Annual Cost ($ Per 1,000 Gallons)				**$2.14**

WUGNAME:	City of Menard
STRATEGY:	Install 1 well in Edwards-Trinity
AMOUNT (ac-ft/yr):	56

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well (1)	1	EA	$18,500	$18,500
Connection to Pump Station	1	EA	$20,000	$20,000
4-in Pipeline	15,840	LF	$10	$159,000
Pump Station	1	EA	$175,000	$175,000
Subtotal Construction Costs				*$373,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$122,000
Environmental and Archeological Studies				$0
ROW costs	3	MI	$3,636	$11,000
Subtotal Other Costs				*$133,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$11,000*
Total Capital Project Costs				**$517,000**
Annual Costs				
Debt Service (30 years at 6%)				$37,600
Electricity ($0.06 per kWh)				$500
Operation and Maintenance				
Pipeline (1% of construction cost)				$1,800
Other facilities (2.5% of construction cost)				$4,900
Water Rights Purchase	56	AF	$50	$2,800
Total Annual Costs				**$47,600**
Annual Cost ($ Per Acre-Feet)				**$850**
Annual Cost ($ Per 1,000 Gallons)				**$2.61**

WUGNAME:	City of Early
STRATEGY:	Purchase treated water from BCWID
AMOUNT (ac-ft/yr):	245

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
10-in Pipeline	10,200	LF	$28	$286,000
Pecan Bayou Crossing	300	LF	$200	$60,000
Meter and vault	1	LS	$30,000	$30,000
Subtotal Construction Costs				*$376,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$118,000
Environmental/Archelogical Studies	1	EA	$25,000	$25,000
ROW costs	4,000	LF	$1.00	$4,000
Subtotal Other Costs				*$147,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$12,000*
Total Capital Project Costs				**$535,000**
Annual Costs				
Debt Service (30 years at 6%)				$39,000
Electricity ($0.06 per kWh)				$0
Operation and Maintenance				
Pipeline (1% of construction cost)				$3,000
Other facilities (2.5% of construction cost)				$3,000
Water Purchase Costs	$80,000	1k gal	$2.00	$160,000
Total Annual Costs				**$205,000**
Annual Cost ($ Per Acre-Feet)				**$837**
Annual Cost ($ Per 1,000 Gallons)				**$2.57**

WUGNAME:	City of Early
STRATEGY:	Treatment Plant Expansion
AMOUNT (ac-ft/yr):	245

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
0.5 MGD plant expansion	1	EA	$1,300,000	$1,300,000
Subtotal - Construction Costs				*$1,300,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$455,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal				*$455,000*
Interest During Construction (12 months) Construction and Non-Construction Cost				*$74,000*
Total Capital Project Costs				**$1,829,000**
Annual Costs				
Debt Service (30 years at 6%)				$133,000
Operation and Maintenance	80,000	1k gal	$0.35	$28,000
Water Purchase Costs	80,000	1k gal	$1.25	$100,000
Total Annual Costs				**$261,000**
Annual Cost ($ Per Acre-Feet)				**$1,065**
Annual Cost ($ Per 1,000 Gallons)				**$3.27**

WUGNAME: Brown County - Other
STRATEGY: Brownwood to May Pipeline
AMOUNT (ac-ft/yr): 586

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Pipeline	10 in.	116,000	LF	$28	$3,248,000
Storage Tanks	0.5 MG	2	EA	$156,000	$312,000
Pump Station	150 HP	2	EA	$775,000	$1,550,000
Subtotal Construction Costs					*$5,110,000*
Other Project Cost					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$1,627,000
Environmental and Archeological Studies		116,000	LF	$0.60	$70,000
Right of way easements (ROW)		116,000	LF	$1.00	$116,000
Subtotal Other Costs					*$1,813,000*
Interest During Construction (12 months) Construction and Non-Construction Cost					*$288,000*
Total Capital Project Costs					**$7,211,000**
Annual Costs					
Debt Service (30 years at 6%)					$524,000
Electricity ($0.06 per kWh)					$26,000
Operation and Maintenance					
Pipeline (1% of construction cost)					$33,000
Other facilities (2.5% of construction cost)					$47,000
Water Purchase ($2.00 per 1000 gallon)					$382,000
Total Annual Costs					**$1,012,000**
Annual Cost ($ per acre-feet)					**$1,727**
Annual Cost ($ per 1000 gallons)					**$5.30**

WUGNAME:	Hickory Users
STRATEGY:	Lake Ivie Water Treatment Plant
AMOUNT (ac-ft/yr):	1,000

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Raw Water Intake Structure	1	LS	$1,000,000	$1,000,000
Miscellaneous Valving & Piping	1	LS	$50,000	$50,000
Raw Water Pumps	1	LS	$837,000	$837,000
Conventional 2 MGD Treatment Plant	1	LS	$5,650,000	$5,650,000
Reverse Osmosis Treatment Train	1	LS	$1,500,000	$1,500,000
Ground Storage at Treatment Plant	1	LS	$203,600	$203,600
Piping between Intake and Plant	6000	LF	$32	$192,000
Subtotal Construction Costs				*$9,433,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$3,292,000
Environmental and Archeological Studies	1	LS	$25,000	$25,000
Land Acquisition (Treatment/Storage Facilities)	20	AC	$1,000	$20,000
Right of way easements (ROW)	4000	LF	$1.00	$4,000
Subtotal Other Costs				*$3,341,000*
Interest During Construction (24 months) Construction and Non-Construction Cost				*$999,000*
Total Capital Project Costs				**$13,773,000**
Annual Costs				
Debt Service (30 years at 6%)				$1,001,000
Electricity ($0.06 per kWh)				$30,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$2,000
Water treatment	325,600	1k gal	$0.75	$245,000
Raw Water Purchase				$370,000
Total Annual Costs				**$1,648,000**
Cost of Water Delivered ($ Per Acre-Feet)				**$1,648**
Cost of Water Delivered ($ Per 1,000 Gallons)				**$5.06**

WUGNAME: Hickory Users
STRATEGY: New Hickory Well Fields
AMOUNT (ac-ft/yr): 2,600

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Wells		10	LS	$100,000	$1,000,000
Pump Station at Camp San Saba	1 MG	1	LS	$1,500,000	$1,500,000
Storage Tank at Camp San Saba		1	LS	$275,000	$275,000
Storage Tank at Terminal End	1.3 MG	1	LS	$323,000	$323,000
Piping to Camp San Saba Pump Station	10 inch	170,000	LF	$28	$4,760,000
Pipeline to Town	16 inch	50,000	LF	$41	$2,050,000
Subtotal Construction Costs					*$9,908,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$3,128,000
Environmental and Archeological Studies		50,000	LF	$0.60	$30,000
Land Acquisition (Well Field/Transmission/Storage Facilities)		400	AC	$1,000	$400,000
Hydrogeologic Studies		1	LS	$500,000	$500,000
Right of way easements (ROW)		127,000	LF	$1	$127,000
Subtotal Other Costs					*$4,185,000*
Interest During Construction (24 months) Construction and Non-Construction Cost					*$1,102,000*
Total Capital Project Costs					**$15,195,000**
Annual Costs					
Debt Service (30 years at 6%)					$1,104,000
Electricity ($0.06 per kWh)					$171,000
Operation and Maintenance					
Pipeline (1% of construction cost)					$69,000
Other facilities (2.5% of construction cost)					$78,000
Total Annual Costs					**$1,422,000**
Cost of Water Delivered ($ Per Acre-Feet)					**$547**
Cost of Water Delivered ($ Per 1,000 Gallons)					**$1.68**

WUGNAME: Hickory Users
STRATEGY: Ellenburger Well Field
AMOUNT (ac-ft/yr): 800

Construction Costs		**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Wells		5	EA	$55,000	$275,000
Pump Station 1		1	LS	$837,000	$837,000
Pump Station 2		1	LS	$775,000	$775,000
Pump Station 3		1	LS	$713,000	$713,000
Storage at Pump Station 1		1	LS	$156,000	$156,000
Storage at Pump Station 2		1	LS	$156,000	$156,000
Storage at Pump Station 3		1	LS	$156,000	$156,000
Piping to Pump Station 1	10 in.	111,550	LF	$28	$3,123,400
Wellfield Piping		26,000	LF	$20	$520,000
Subtotal Construction Costs					*$6,712,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$2,167,000
Environmental and Archeological Studies		111,550	LF	$0.60	$67,000
Hydrogeologic Study		1	LS	$150,000	$150,000
Land Acquisition (Well Field)		200	AC	$1,000	$388,420
Right of way easements (ROW)					$0
Subtotal Other Costs					*$2,773,000*
Interest During Construction (24 months) Construction and Non-Construction Cost					*$742,000*
Total Capital Project Costs					**$10,227,000**
Annual Costs					
Debt Service (30 years at 6%)					$743,000
Electricity ($0.06 per kWh)					$105,000
Operation and Maintenance					
Pipeline (1% of construction cost)					$37,000
Other facilities (2.5% of construction cost)					$77,000
Total Annual Costs					**$962,000**
Cost of Water Delivered ($ Per Acre-Feet)					**$1,203**
Cost of Water Delivered ($ Per 1,000 Gallons)					**$3.69**

WUGNAME:	Eden
STRATEGY:	Well Field in Edwards - Trinity
AMOUNT (ac-ft/yr):	545

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Wells	15	LS	$30,000	$450,000
Piping to Pump Station	45,000	LF	$20	$900,000
Pump Station at Hwy 83 & Brady Creek	1	LS	$500,000	$500,000
Storage Tank at Pump Station	1	LS	$125,000	$125,000
Pipeline to Town	11,000	LF	$28	$308,000
Subtotal Construction Costs				*$2,283,000*
Other Project Costs				
Environmental and Archeological Studies	1	LS	$25,000	$25,000
Hydogeologic Studies	1	LS	$200,000	$200,000
ROW Purchase (Well Field Collection Pipeline)	1	LS	$25,000	$25,000
Land Acquisition (Well Field/Transmission/Storage Facilities)	400	AC	$1,000	$400,000
Engineering and Contingencies				$738,650
Interest During Construction				$287,101
Subtotal Other Costs				*$1,675,751*
Total Capital Project Costs				**$3,958,751**
Annual Costs				
Debt Service (30 years @ 6%)				$287,599
Electrical Costs ($0.06 per kWh)				$19,000
Operation & Maintenance				$38,955
Total Annual Costs				**$345,554**
Cost of Water Delivered ($ Per Acre-Feet)				**$634**
Cost of Water Delivered ($ Per 1,000 Gallons)				**$1.95**

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WUGNAME:	Hickory Users (McCulloch County Other et al.)
STRATEGY:	San Saba Off-Channel Reservoir
AMOUNT (ac-ft/yr):	2,600

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Reservoir					
Mobilization (5% Max)		1	LS	$550,700	$551,000
Care Of Water During Construction		1	LS	$320,800	$321,000
Clearing And Grubbing		60	AC	$3,000	$180,000
Excavation		673,900	CY	$5	$3,370,000
Compacted Impervious Fill		306,700	CY	$10	$3,067,000
Compacted Random Fill		279,400	CY	$5	$1,397,000
Internal Drainage System		1	LS	$652,220	$652,000
Service Spillway		1,329	CY	$350	$465,000
Low Flow Outlet		1	LS	$61,075	$61,000
Grassing For Erosion Control		7.0	AC	$2,500	$18,000
Soil Cement		11,350	CY	$75	$851,000
Trench Safety		3,200	LF	$10	$32,000
Fence		2,700	LF	$15	$41,000
Access Road		4,000	LF	$50	$200,000
Erosion Control		1	LS	$25,000	$25,000
Transmission Facilities					
Pipeline from River to Off-Channel Reservoir	36 in.	6,139	LF	$91	$559,000
Pipeline from Off-Channel Reservoir to Brady	20 in.	50,682	LF	$48	$2,433,000
Outlet Works		1	LS	$100,000	$100,000
Pump Stations					
Channel Weir		1	LS	$300,000	$300,000
River Intake Structure	35 mgd	1	LS	$800,000	$800,000
River Pump Station	1,300 HP	1	LS	$2,730,000	$2,730,000
Reservoir Pump Station	300 HP	1	LS	$1,200,000	$1,200,000
Reservoir Intake Structure	5 mgd	1	LS	$500,000	$500,000
Brady Treatment Plant Expansion					
Conventional Treatment Expansion	3 mgd	1	LS	$5,100,000	$5,100,000
Subtotal Construction Costs					*$24,953,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$8,579,000
Environmental and Archeological Studies					
Pipeline		56,821	LF	$0.60	$34,000
Reservoir		244	AC	$500	$122,000
Mitigation tracts		244	AC	$1,000	$244,000
Pipeline ROW		56,821	LF	$1.00	$57,000
Reservoir Site		250	AC	$1,000	$250,000
Subtotal Other Costs					*$9,286,000*
Interest During Construction (36 months) Construction and Non-Construction Cost					*$4,068,000*
Total Capital Project Costs					**$38,307,000**

WUGNAME:	Hickory Users (McCulloch County Other et al.)				
STRATEGY:	San Saba Off-Channel Reservoir				
AMOUNT (ac-ft/yr):	2,600				

Annual Costs				
Debt Service (30 years at 6%)				$2,783,000
Electricity ($0.06 per kWh)				$627,000
Operation and Maintenance				
Reservoir (1% of construction cost)				$113,000
Pipeline (1% of construction cost)				$31,000
Other facilities (2.5% of construction cost)				$139,000
Treatment Plant	2,600	AF	$114	$296,000
Water Purchase	3,251	AF	$105	$341,000
Total Annual Cost				**$4,330,000**
Annual Cost ($ per acre-feet)				**$1,665**
Annual Cost ($ per 1000 gallons)				**$5.11**

WUGNAME: Hickory Users (McCulloch County Other et al.)
STRATEGY: San Saba Off-Channel Reservoir
AMOUNT (ac-ft/yr): 1,500

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Reservoir					
Mobilization (5% Max)		1	LS	$300,000	$300,000
Care Of Water During Construction		1	LS	$175,000	$175,000
Clearing And Grubbing		30	AC	$3,000	$90,000
Excavation		328,900	CY	$5	$1,645,000
Compacted Impervious Fill		154,200	CY	$10	$1,542,000
Compacted Random Fill		132,000	CY	$5	$660,000
Internal Drainage System		1	LS	$407,000	$407,000
Service Spillway		1,180	CY	$350	$413,000
Low Flow Outlet		1	LS	$53,000	$53,000
Grassing For Erosion Control		3.4	AC	$2,500	$8,000
Soil Cement		5,500	CY	$75	$413,000
Trench Safety		2,200	LF	$10	$22,000
Fence		2,700	LF	$15	$41,000
Access Road		4,000	LF	$50	$200,000
Erosion Control		1	LS	$25,000	$25,000
Transmission Facilities					
Pipeline from River to Off-Channel Reservoir	30 in.	6,139	LF	$74	$454,000
Pipeline from Off-Channel Reservoir to Brady	16 in.	50,682	LF	$41	$2,078,000
Outlet Works		1	LS	$100,000	$100,000
Pump Stations					
Channel Weir		1	LS	$300,000	$300,000
River Intake Structure	25 mgd	1	LS	$700,000	$700,000
River Pump Station	1,000 HP	1	LS	$2,400,000	$2,400,000
Reservoir Pump Station	200 HP	1	LS	$930,000	$930,000
Reservoir Intake Structure	2.5 mgd	1	LS	$400,000	$400,000
Brady Treatment Plant Expansion					
Conventional Treatment Expansion	2 mgd	1	LS	$3,550,000	$3,550,000
Subtotal Construction Costs					*$16,906,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$5,786,000
Environmental and Archeological Studies					
Pipeline		56,821	LF	$0.60	$34,000
Reservoir		112	AC	$500	$56,000
Mitigation tracts		112	AC	$1,000	$112,000
Pipeline ROW		56,821	LF	$1.00	$57,000
Reservoir Site		120	AC	$1,000	$120,000
Subtotal Other Costs					*$6,165,000*
Interest During Construction (36 months) Construction and Non-Construction Cost					*$2,741,000*
Total Capital Project Costs					**$25,812,000**

WUGNAME:	Hickory Users (McCulloch County Other et al.)
STRATEGY:	San Saba Off-Channel Reservoir
AMOUNT (ac-ft/yr):	1,500

Annual Costs				
Debt Service (30 years at 6%)				$1,876,000
Electricity ($0.06 per kWh)				$349,000
Operation and Maintenance				
Reservoir (1% of construction cost)				$60,000
Pipeline (1% of construction cost)				$27,000
Other facilities (2.5% of construction cost)				$119,000
Treatment Plant	1,500	AF	$114	$171,000
Water Purchase	1,810	AF	$105	$190,000
Total Annual Cost				**$2,792,000**
Annual Cost ($ per acre-feet)				**$1,861**
Annual Cost ($ per 1000 gallons)				**$5.71**

WUGNAME:	Hickory Users
STRATEGY:	Purchase Water from Brown County WCID #1
AMOUNT (ac-ft/yr):	1,000

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Pump Station 1	1	EA	$650,000	$650,000
Pump Station 2	1	EA	$821,500	$821,500
Pump Station 3	1	EA	$957,000	$957,000
Storage at Pump Station 1	1	EA	$203,600	$203,600
Storage at Pump Station 2	1	EA	$203,600	$203,600
Storage at Pump Station 3	1	EA	$203,600	$203,600
Pipeline	190,300	LF	$37	$7,041,100
Subtotal Construction Costs				*$10,081,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$3,177,000
Environmental and Archeological Studies	190,300	LF	$0.60	$167,000
Land (Transmission/Storage Facilities)	15	AC	$1,000	$15,000
ROW Purchase (Pipeline)				$0
Subtotal Other Costs				*$3,359,000*
Interest During Construction (18 months) Construction and Non-Construction Cost				*$775,000*
Total Capital Project Costs				**$14,215,000**
Annual Costs				
Debt Service (30 years at 6%)				$1,033,000
Electricity ($0.06 per kWh)				$93,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$70,000
Other facilities (2.5% of construction cost)				$76,000
Treated Water Purchase				$484,000
Total Annual Costs				**$1,756,000**
Cost of Water Delivered ($ Per Acre-Feet)				**$1,756**
Cost of Water Delivered ($ Per 1,000 Gallons)				**$5.39**

WUGNAME:	Hickory Users
STRATEGY:	Brady Creek Reservoir 3MGD Water Treatment Plant
AMOUNT (ac-ft/yr):	2,200

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Retrofit Outletworks w/ Valves & Piping	1	LS	$250,000	$250,000
Pump Station at Outletworks	1	LS	$670,000	$670,000
Conventional Treatment Plant	1	LS	$7,300,000	$7,300,000
Reverse Osmosis Treatment Train	1	LS	$1,500,000	$1,500,000
Pump Station at BCR-WTP	1	LS	$620,000	$620,000
Storage Tank at BCR-WTP	1	LS	$275,000	$275,000
Storage Tank at Terminal End	1	LS	$275,000	$275,000
Retrofit Existing Wells w/ Valves & Piping	1	LS	$10,000	$10,000
Piping between Intake and Plant	5,500	LF	$45	$247,500
Piping from Existing Lake Well Field to Plant	3,500	LF	$28	$98,000
Pipeline to Town	15,000	LF	$32	$480,000
Piping from City Municipal Wells to City Property	12,000	LF	$20	$240,000
Subtotal Construction Costs				*$11,966,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$4,135,000
Environmental and Archeological Studies	1	LS	$25,000	$25,000
Land Acquisition (Treatment/Storage Facilities)				$0
ROW Purchase (Pipeline)	2,000	LF	$1.00	$2,000
Subtotal Other Costs				*$4,162,000*
Interest During Construction (24 months) Construction and Non-Construction Cost				*$1,262,000*
Total Capital Project Costs				**$17,390,000**
Annual Costs				
Debt Service (30 years at 6%)				$1,264,000
Electricity ($0.06 per kWh)				$60,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$11,000
Other facilities (2.5% of construction cost)				$53,000
Water treatment	495,000	1k gal	$0.75	$372,000
Total Annual Costs				**$1,760,000**
Cost of Water Delivered ($ Per Acre-Feet)				**$800**
Cost of Water Delivered ($ Per 1,000 Gallons)				**$2.46**

WUGNAME: Kimble - Manufacturing
STRATEGY: Develop seven new wells within 15 miles
AMOUNT (ac-ft/yr): 1,549

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well	7	EA	$45,000	$315,000
Connection to Existing System	7	EA	$50,000	$350,000
Pump Station (200 HP)	1	EA	$930,000	$930,000
Storage Tank (.5 MGD)	1	EA	$156,000	$156,000
12-in Pipeline	79,200	LF	$32	$2,534,400
Subtotal Construction Costs				*$4,286,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$1,374,000
Environmental and Archeological Studies				$0
ROW costs	15	MI	$3,636	$54,540
Subtotal Other Costs				*$1,429,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$124,000*
Total Capital Project Costs				**$5,839,000**
Annual Costs				
Debt Service (30 years at 6%)				$425,000
Electricity ($0.06 per kWh)				$33,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$33,000
Other facilities (2.5% of construction cost)				$60,000
Water Purchase Costs	1,549	AF	$100	$155,000
Total Annual Costs				**$706,000**
Annual Cost ($ per acre-feet)				**$456**
Annual Cost ($ per 1000 gallons)				**$1.40**

WUGNAME:	Tom Green - Irrigation
STRATEGY:	Treated Effluent tfrom San Angelo
AMOUNT (ac-ft/yr):	2200 - 6600

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Cost**
Storage at San Angelo WWTP	1	LS	$6,500,000	$6,500,000
Subtotal Construction Costs				*$6,500,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$2,275,000
Environmental and Archeological Studies		LF	$0.60	$0
Subtotal Other Costs				*$2,275,000*
Interest During Construction (12 months) Construction and Non-Construction Cost				*$366,000*
Total Capital Project Costs				**$9,141,000**
Annual Costs				
Debt Service (30 years at 6%)				$665,000
Electricity ($0.06 per kWh)				$0
Operation and Maintenance				
Other facilities (2.5% of construction cost)				$162,500
Water Purchase Cost	3,286	AF	$163	$536,000
Total Annual Costs				**$1,364,000**
Annual Cost ($ per acre-feet)				**$415**
Annual Cost ($ per 1000 gallons)				**$1.27**

WUGNAME: Crockett - Steam Electric Power
STRATEGY: 6 New wells in Pecos Co. in existing wellfield.
AMOUNT (ac-ft/yr): 1,900

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well (6)	6	EA	$38,000	$228,000
Connection to System	6	EA	$20,000	$120,000
Pump Station (250 HP)	1	EA	$960,100	$960,100
Storage Tank (.5 MGD)	1	EA	$156,000	$156,000
12-in Transmission Line	31,680	FT	$32	$1,013,760
Subtotal Construction Costs				*$2,478,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$817,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$817,000*
Interest During Construction (24 months) Construction and Non-Construction Cost				*$138,000*
Total Capital Project Costs				**$3,433,000**
Annual Costs				
Debt Service (30 years at 6%)				$250,000
Electricity ($0.06 per kWh)				$41,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$11,000
Other facilities (2.5% of construction cost)				$37,000
Total Annual Costs				**$339,000**
Annual Cost ($ per acre-feet)				**$178**
Annual Cost ($ per 1000 gallons)				**$0.55**

WUGNAME:	Mitchell - Steam Electric Power
STRATEGY:	Construct 3 Plants at Other Sources
AMOUNT (ac-ft/yr):	5,263

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
24-in Transmission Line	3,000	FT	$56	$168,000
Pump Station with intake (150 HP)	3	EA	$930,000	$2,790,000
Subtotal Construction Costs (3 Plants)				*$2,958,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$1,027,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$1,027,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$83,000*
Total Capital Project Costs				**$4,068,000**
Annual Costs				
Debt Service (30 years at 6%)				$296,000
Electricity ($0.06 per kWh)				$45,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$2,000
Other facilities (2.5% of construction cost)				$70,000
Water Purchase Costs	1,714,000	1k gal	$1.25	$2,143,000
Total Annual Costs				**$2,556,000**
Annual Cost ($ per acre-feet)				**$486**
Annual Cost ($ per 1000 gallons)				**$1.49**

WUGNAME:	Tom Green - Steam Electric Power
STRATEGY:	Delivery of Treated Effluent to Lake Nasworthy Power Plant
AMOUNT (ac-ft/yr):	2,500

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Pipeline from WW Ponds to Nasworthy Plant	20 in.	63,400	LF	$48	$3,043,000
Pipeline from Nasworthy Plant to Irrigation Canal	18 in.	12,090	LF	$45	$538,000
River Crossings		3 x 300	LF	$200	$180,000
Pump Station at WW Ponds	300 HP	1	EA	$1,200,000	$1,200,000
Pump Station at Nasworthy Plant	100 HP	1	EA	$620,000	$620,000
Storage Tank	1.5	1	EA	$278,000	$278,000
Subtotal Construction Costs					*$5,859,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$1,872,000
Environmental and Archeological Studies		71,490	LF	$0.60	$43,000
Right of way easements (ROW)		71,490	LF	$1.50	$107,000
Subtotal Other Costs					*$2,022,000*
Interest During Construction (24 months) Construction and Non-Construction Cost					*$617,000*
Total Capital Project Costs					**$8,498,000**
Annual Costs					
Debt Service (30 years at 6%)					$618,000
Electricity ($0.06 per kWh)					$55,000
Operation and Maintenance					
Pipeline (1% of construction cost)					$47,000
Other facilities (2.5% of construction cost)					$77,000
Water Purchase Cost		2,500	AF	$163	$408,000
Total Annual Costs					**$1,205,000**
Annual Cost ($ per acre-feet)					**$482**
Annual Cost ($ per 1000 gallons)					**$1.48**

WUGNAME:	Ward - Steam Electric Power
STRATEGY:	Move SEP Demands to Winkler County and Develop 10 New Wells Within 10 miles of Plant
AMOUNT (ac-ft/yr):	6,782

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well (33)	10	EA	$50,000	$500,000
Connection to New System	10	EA	$50,000	$500,000
Pump Station (500 HP)	1	EA	$1,700,000	$1,700,000
30-in Transmission Line	52,800	FT	$74	$3,907,200
Subtotal Construction Costs				*$6,608,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$2,118,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)	10	MI	$1,818	$18,180
Subtotal Other Costs				*$2,137,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$190,000*
Total Capital Project Costs				**$8,935,000**
Annual Costs				
Debt Service (30 years at 6%)				$650,000
Electricity ($0.06 per kWh)				$145,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$51,000
Other facilities (2.5% of construction cost)				$92,000
Water Purchase Costs	6782	AF	$100	$679,000
Total Annual Costs				**$1,617,000**
Annual Cost ($ per acre-feet)				**$238**
Annual Cost ($ per 1000 gallons)				**$0.73**

WUGNAME:	Ector - Mining (1)
STRATEGY:	Develop 30 new wells in Dockum Aquifer
AMOUNT (ac-ft/yr):	4,500

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well	30	EA	$33,000	$990,000
Connection to Existing System	30	EA	$150,000	$4,500,000
Subtotal Construction Costs				*$5,490,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$1,922,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$1,922,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$161,000*
Total Capital Project Costs				**$7,573,000**
Annual Costs				
Debt Service (30 years at 6%)				$551,000
Electricity ($0.06 per kWh)				$96,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$0
Other facilities (2.5% of construction cost)				$186,000
Water Purchase Costs	4,500	AF	$28	$126,000
Total Annual Costs				**$959,000**
Annual Cost ($ per acre-feet)				**$213**
Annual Cost ($ per 1000 gallons)				**$0.65**

WUGNAME: Ector - Mining (2)
STRATEGY: Develop 12 new wells in Pecos Alluvium
AMOUNT (ac-ft/yr): 1,800

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well	12	EA	$33,000	$396,000
Connection to Existing System	12	EA	$150,000	$1,800,000
Subtotal Construction Costs				*$2,196,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$769,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$769,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$65,000*
Total Capital Project Costs				**$3,030,000**
Annual Costs				
Debt Service (30 years at 6%)				$221,000
Electricity ($0.06 per kWh)				$39,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$0
Other facilities (2.5% of construction cost)				$75,000
Water Purchase Costs	$1,800	AF	$28	$51,000
Total Annual Costs				**$386,000**
Annual Cost ($ per acre-feet)				**$214**
Annual Cost ($ per 1000 gallons)				**$0.66**

WUGNAME: Reagan - Mining
STRATEGY: Non-Potable Water from Edwards-Trinity
AMOUNT (ac-ft/yr): 1,481

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well	15	EA	$33,000	$495,000
Connection to Existing System	15	EA	$150,000	$2,250,000
Subtotal Construction Costs				*$2,745,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$961,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$961,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$81,000*
Total Capital Project Costs				**$3,787,000**
Annual Costs				
Debt Service (30 years at 6%)				$276,000
Electricity ($0.06 per kWh)				$19,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$0
Other facilities (2.5% of construction cost)				$93,000
Water Purchase Costs	1,481	AF	$28	$42,000
Total Annual Costs				**$430,000**
Annual Cost ($ per acre-feet)				**$290**
Annual Cost ($ per 1000 gallons)				**$0.89**

WUGNAME: Reeves - Mining
STRATEGY: Non-Potable water from Pecos Alluvium
AMOUNT (ac-ft/yr): 175

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well	2	EA	$33,000	$66,000
Connection to Existing System	2	EA	$150,000	$300,000
Subtotal Construction Costs				*$366,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$129,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$129,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$11,000*
Total Capital Project Costs				**$506,000**
Annual Costs				
Debt Service (30 years at 6%)				$37,000
Electricity ($0.06 per kWh)				$4,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$0
Other facilities (2.5% of construction cost)				$13,000
Water Purchase Costs	175	AF	$28	$5,000
Total Annual Costs				**$59,000**
Annual Cost ($ per acre-feet)				**$337**
Annual Cost ($ per 1000 gallons)				**$1.03**

WUGNAME:	Mining
STRATEGY:	No water available
AMOUNT (ac-ft/yr):	0

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well		FT		$0
Connection to Existing System		EA		$0
Subtotal Construction Costs				*$0*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$0
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$0*
Interest During Construction (none) Construction and Non-Construction Cost				*$0*
Total Capital Project Costs				**$0**
Annual Costs				
Debt Service (30 years at 6%)				$0
Electricity ($0.06 per kWh)				$0
Operation and Maintenance				
Pipeline (1% of construction cost)				$0
Other facilities (2.5% of construction cost)				$0
Water Purchase Costs				$0
Total Annual Costs				**$0**
Annual Cost ($ per acre-feet)				**$0**
Annual Cost ($ per 1000 gallons)				**$0**

WUGNAME: Ward - Mining
STRATEGY: Non-Potable water from Pecos-Alluvium
AMOUNT (ac-ft/yr): 635

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Well	4	EA	$33,000	$132,000
Connection to Existing System	4	EA	$150,000	$600,000
Subtotal Construction Costs				*$732,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$257,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)				$0
Subtotal Other Costs				*$257,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$22,000*
Total Capital Project Costs				**$1,011,000**
Annual Costs				
Debt Service (30 years at 6%)				$74,000
Electricity ($0.06 per kWh)				$14,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$0
Other facilities (2.5% of construction cost)				$25,000
Water Purchase Costs	635	AF	$28	$18,000
Total Annual Costs				**$131,000**
Annual Cost ($ per acre-feet)				**$206**
Annual Cost ($ per 1000 gallons)				**$0.63**

WUGNAME:	Martin - Mining
STRATEGY:	Use Non-Potable Surface Water from Natural Dam Lake and Sulpher Draw Lake
AMOUNT (ac-ft/yr):	1,196

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Pumpstation with Intake	1	EA	$930,000	$930,000
10-in Pipeline	105,600	LF	$28	$2,956,800
Subtotal Construction Costs				*$3,887,000*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$1,213,000
Environmental and Archeological Studies				$0
Right of way easements (ROW)	20	MI	$3,636	$73,000
Subtotal Other Costs				*$1,286,000*
Interest During Construction (6 months) Construction and Non-Construction Cost				*$113,000*
Total Capital Project Costs				**$5,286,000**
Annual Costs				
Debt Service (30 years at 6%)				$385,000
Electricity ($0.06 per kWh)				$31,600
Operation and Maintenance				
Pipeline (1% of construction cost)				$29,600
Other facilities (2.5% of construction cost)				$23,300
Total Annual Costs				**$469,500**
Annual Cost ($ per acre-feet)				**$393**
Annual Cost ($ per 1000 gallons)				**$1.20**

WUGNAME:	Eldorado
STRATEGY:	Expand Well Field in Edwards - Trinity
AMOUNT (ac-ft/yr):	225

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Water Wells	3	EA	$50,000	$150,000
Well field piping/ valves	10,560	LF	$10	$105,600
Subtotal Construction Costs				*$255,600*
Other Project Costs				
Hydrologic study	1	LS	$25,000	$25,000
Land Acquisition (Well Field)	100	AC	$1,000	$100,000
Engineering and Contingencies				$84,200
Subtotal Other Costs				*$209,200*
Interest During Construction (6 months)				*$10,100*
Total Capital Project Costs				**$474,900**
Annual Costs				
Debt Service (30 years @ 6%)				$34,600
Electrical Costs ($0.06 per kWh)				
to existing well field pump station	24,000		$0.06	$1,500
Operation & Maintenance				$4,900
Total Annual Costs				**$41,000**
Available Water Yield (Acre-Feet Per Year)				225
Available Water Yield (MGD)				0.4
Cost of Water Delivered ($ Per Acre-Feet)				**$182**
Cost of Water Delivered ($ Per 1,000 Gallons)				**$0.56**

WUGNAME:	Robert Lee
STRATEGY:	Lake Spence Water Treatment Plant
AMOUNT (ac-ft/yr):	800

Construction Costs	**Quantity**	**Unit**	**Unit Price**	**Costs**
Raw Water Intake Structure	1	LS	$500,000	$500,000
Miscellaneous Valving & Piping	1	LS	$50,000	$50,000
Reverse Osmosis Treatment Train	1	LS	$750,000	$750,000
Piping between Intake and Plant	15840	LF	$28	$443,520
Subtotal Construction Costs				*$1,743,520*
Other Project Costs				
Engineering and Contingencies (30% pipelines, 35% other facilities)				$588,000
Land Acquisition (Treatment Facilities)	10	AC	$1,000	$10,000
Right of way easements (ROW)	4752	LF	$1.00	$4,800
Subtotal Other Costs				*$602,800*
Interest During Construction (18 months) Construction and Non-Construction Cost				*$135,131*
Total Capital Project Costs				**$2,481,451**
Annual Costs				
Debt Service (30 years at 6%)				$181,000
Electricity ($0.06 per kWh)				$7,000
Operation and Maintenance				
Pipeline (1% of construction cost)				$4,435
Water treatment	260,480	1k gal	$0.75	$195,360
Raw Water Purchase	260,480	1k gal	$1.25	$325,600
Total Annual Costs				**$713,395**
Available Water Yield (Acre-Feet Per Year)				800
Available Water Yield (MGD)				1.5
Cost of Water Delivered ($ Per Acre-Feet)				**$892**
Cost of Water Delivered ($ Per 1,000 Gallons)				**$2.74**

WUGNAME: Bronte
STRATEGY: Purchase treated water from Robert Lee
AMOUNT (ac-ft/yr): 300

Temporary Supplies from CRMWD					
Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Water Line from Robert Lee to Bronte	6"	63,360	LF	$12	$760,000
Pump Stations		1	EA	$350,000	$350,000
Subtotal Construction Costs					*$1,110,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$350,500
Right of way easements (ROW)		19,008		$ 1.00	$19,000
Subtotal Other Costs					*$369,500*
Interest During Construction (12 months) Construction and Non-Construction Cost					*$62,000*
Total Capital Project Costs					**$1,541,500**
Annual Costs					
Debt Service (30 years at 6%)					$112,000
Wholesale Purchase from City of Robert Lee		97,680	kGal	$3	$293,040
Electricity ($0.06 per kWh)		85,000	kWh	$0.06	$5,100
Operation and Maintenance					
Pipeline (1% of construction cost)					$7,600
Other facilities (2.5% of construction cost)					$8,750
Total Annual Costs					**$426,490**
Annual Cost ($ per acre-feet)					**$1,422**
Annual Cost ($ per 1000 gallons)					**$4.37**

WUGNAME:	CRMWD-MWP
STRATEGY:	Winkler Well Field 16 mgd capacity
AMOUNT (ac-ft/yr):	6,000

Construction Costs	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
Water Wells		7	EA	$50,000	$350,000
Pump Station	1600 HP	1	EA	$3,060,000	$3,060,000
Storage Tanks	5 MG	2	EA	$895,000	$1,790,000
Well field pipeline	10"	2,800	LF	$28	$78,000
Well field pipeline	12"	6,050	LF	$32	$194,000
Well field pipeline	14"	600	LF	$37	$22,000
Well field pipeline	16"	1,000	LF	$41	$41,000
Well field pipeline	18"	800	LF	$45	$36,000
Well field pipeline	24"	2,000	LF	$56	$112,000
Well field pipeline	27"	2,000	LF	$65	$130,000
Well field pipeline	30"	7,650	LF	$74	$566,000
Pipeline to Odessa	33"	228,934	LF	$83	$19,002,000
Subtotal Construction Costs					*$25,381,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$7,875,000
Environmental and Archeological Studies		251,834	LF	$0.60	$151,000
Right of way easements (ROW)		251,834	LF	$1.00	$252,000
Subtotal Other Project Costs					*$8,278,000*
Interest During Construction (24 months) Construction and Non-Construction Cost					*$2,632,000*
Total Capital Costs					**$36,291,000**
Annual Costs					
Debt Service (30 years at 6%)					$2,637,000
Electricity ($0.06 per kWh)					$480,000
Operation and Maintenance					
Pipeline (1% of construction cost)					$202,000
Other facilities (2.5% of construction cost)					$130,000
Total Annual Costs					**$3,449,000**
Annual Cost ($ per ac-ft)					**$575**
Annual Cost ($ per 1000 gallons)					**$1.76**

WUGNAME: CRMWD-MWP
STRATEGY: Ivie Improvements 23 mgd additional capacity
AMOUNT (ac-ft/yr): 16,400

Ivie Pipeline to High Capacity **Construction Costs**	**Size**	**Quantity**	**Unit**	**Unit Price**	**Cost**
New pumps at existing pump stations	500 HP	7	EA	$500,000	$3,500,000
New Pump Station No. 6	2000 HP	1	EA	$3,500,000	$3,500,000
Storage Tank	6 MG	1	EA	$724,000	$724,000
Terminal Storage (1994 cost)	100 MG	1	EA	$2,792,000	$2,792,000
Subtotal Construction Costs					*$10,516,000*
Other Project Costs					
Engineering and Contingencies (30% pipelines, 35% other facilities)					$3,697,000
Environmental and Archeological Studies					$0
Right of way easements (ROW)					$60,000
Subtotal Other Project Costs					*$3,757,000*
Interest During Construction (12 months) Construction and Non-Construction Cost					*$595,000*
Total Capital Costs					**$14,868,000**
Annual Costs					
Debt Service (30 years at 6%)					$1,081,000
Electricity ($0.06 per kWh)					$3,771,000
Operation and Maintenance					
Pipeline (1% of construction cost)					$0
Other facilities (2.5% of construction cost)					$263,000
Total Annual Costs					**$5,115,000**
Annual Cost ($ per ac-ft)					**$312**
Annual Cost ($ per 1000 gallons)					**$0.96**

FACTORS FOR INTEREST DURING CONSTRUCTION

Factor 6 months of construction	0.02167
Factor 12 months of construction	0.04167
Factor 18 months of construction	0.05759
Factor 24 months of construction	0.07819
Factor 36 months of construction	0.11880

EXAMPLE:

Interest during construction for a project with:

18 months construction

capital costs	$1,000,000
Interest during construction	$57,593

STRATEGY MATRIX FOR REGION F

								3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
					30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = postivie impact	5 = postivie impact	5 = postive impact
Max Rating				100	30	20	10	5	5	5	5	5	5	5	5
Water User Group(s)	**County**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Factors**	**Third Party Impacts**
Manufacturing	Borden	Use existing source	Increase use from existing source		Sufficient	Unknown	None	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				74	30	10	10	3	3	3	3	3	3	3	3
Brown County Other	Brown	Use existing source	Northern Brown County to Lake Brownwood		500 ac-ft/yr	Reliable	$1,727 per ac-ft $5.30 per kgal	None identified	Decreases reliance on local groundwater supplies	None identified	None identified	May make more groundwater available for agriculture	Increased use may impact recreation in Lake Brownwood	None identified	None identified
				81	30	20	5	3	5	3	3	4	2	3	3
Early	Brown	Use existing source	Expand Early WTP		250 ac-ft/yr	Reliable	$1,065 per ac-ft $3.27 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				79	30	20	5	3	3	3	3	3	3	3	3
		Use existing source	Buy water from Brownwood/BCWID		250 ac-ft/yr	Reliable	$837 per ac-ft $2.57 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				82	30	20	8	3	3	3	3	3	3	3	3
Steam-Electric	Crockett	Use existing source	Develop additional wells in Edwards-Trinity Aquifer		Sufficient	Moderate to High	$178 per ac-ft $0.55 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				82	30	18	10	3	3	3	3	3	3	3	3
Mining	Ector	New groundwater source	Develop well field in Dockum aquifer		Sufficient	Low to Moderate	$214 per ac-ft $0.66 per kgal	None identified	Low	None identified	None identified	Possible reduction in irrigated acreage for farming	None identified	None identified	None identified
				73	30	10	10	3	3	3	3	2	3	3	3
Junction	Kimble	New groundwater source	Develop wells in Edwards-Trinity aquifer in Kimble County		Sufficient, however well yields tend to be low	Moderate to High	$696 per ac-ft $2.14 per kgal	May impact spring flows	None identified	None identified	May impact spring flows	None identified	None identified	Water quality unknown	None identified
				74	27	18	8	2	3	3	2	3	3	2	3
Manufacturing	Kimble	New groundwater source	Develop well in Edwards-Trinity aquifer		Sufficient, however well yields tend to be low	Moderate to High	$456 per ac-ft $1.40 per kgal	None identified	Low	Low	None identified	Possible reduction in irrigated acreage for farming	None identified	None identified	None identified
				80	29	18	10	3	3	3	3	2	3	3	3
Mining	Martin	Natural Dam Lake/ Sulphur Draw	Use non-potable water from these existing sources.		Sufficient	Moderate to High	$393 per ac-ft $1.20 per kgal	None identified	Positive impacts. May reduce saline spills.	None identified	None identified	None identified	None identified	None identified	None identified
				81	30	15	10	3	5	3	3	3	3	3	3
Hickory	McCulloch, Concho, Runnels, & Tom Green		Brady Creek Reservoir Water Treatment Plant		Insufficient	High	$800 per ac-ft $2.46 per kgal	Low to Moderate due to brine disposal	None identified	None identified	None identified	None identified	Moderate, may impact recreational activities at Brady Creek Reservoir	None identified	None identified
				66	16	20	8	2	3	3	3	3	2	3	3
			San Saba Off-Channel Reservoir		Insufficient	High	$1,665 per ac-ft $5.11 per kgal	Possible positive impact	Low	None identified	None identified	Low	None identified	None identified	None identified
				65	15	20	5	4	3	3	3	3	3	3	3
			Lake Ivie Water Treatment Plant		Insufficient	High	$1,648 per ac-ft $5.06 per kgal	Low to Moderate due to brine disposal	Low	None identified	None identified	None identified	None identified	None identified	None identified
				60	14	20	3	2	3	3	3	3	3	3	3
			New Ellenburger Well Field		Insufficient	High	$1,203 per ac-ft $3.69 per kgal	Low	Low	None identified	None identified	None identified	None identified	None identified	None identified
				63	13	20	6	3	3	3	3	3	3	3	3
			Purchase water from Brown County WID		Insufficient	High	$1,756 per ac-ft $5.39 per kgal	Low	Low	None identified	None identified	None identified	None identified	None identified	None identified
				61	15	20	2	3	3	3	3	3	3	3	3
			New Hickory Well Field		Insufficient	Moderate	$547 per ac-ft $1.68 per kgal	Low	Low	None identified	None identified	Low	None identified	None identified	None identified
				68	17	17	10	3	3	3	3	3	3	3	3
Menard	Menard	New groundwater source	Develop wells in Edwards-Trinity aquifer		Sufficient, however well yields tend to be low	Moderate to High	$850 per ac-ft $2.61 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				77	28	18	7	3	3	3	3	3	3	3	3
Manufacturing	Midland	Use existing source	Purchase water from City		Sufficient	Reliable	$800 per acre-foot $2.45 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				84	30	20	10	3	3	3	3	3	3	3	3
Midland	Midland	Use existing source	Renew CRMWD 1966 contract.		20,000 acre-feet, not sufficient to meet needs by 2040	May require increased capacity on CRMWD system. Otherwise very reliable.	$407 per acre-foot $1.25 per kgal	Existing reservoirs. Spence and Ivie permit have required releases, increased demand will have little impact on spills	Existing reservoirs with few spills. Assume no impact	May impact other strategies relying on increase in CRMWD water. May require additional capacity from CRMWD.	No identified relationship between ground and surface water for CRMWD supplies	CMRWD supplies not used for agriculture	Some impact on recreation with increased use of reservoirs	None identified	None identified
				78	25	20	10	3	3	3	3	3	2	3	3
		New groundwater source	T-Bar well field, Winkler County		13,400 acre-feet per year	Reliable over the 50-year expected life of the project	$485 per acre-foot $1.49 per kgal	Groundwater source, no springs in area, no impact identified	None identified	Excess water is available Winkler County	No surface water in area, ground/surface water interaction unlikely	Agriculture limited in Winkler County. May impact future development.	None identified	None identified	None identified
				71	20	20	8	3	3	3	3	2	3	3	3
Steam-Electric	Mitchell	Use existing source	Use water supply from Lake Brownwood, Lake Coleman, and Lake Spence in Brown, Coleman, or Coke counties		Sufficient	Moderate to High	$486 per ac-ft $1.49 per kgal	May raise temperature of water	Minimal increase evaporation from lake	None identified	None identified	None identified	Moderate, may impact recreational activities	None identified	None identified
				80	30	18	10	2	3	3	3	3	2	3	3
Major Water Providers		Use existing source	Upgrade infrastructure		Sufficient	Reliable	$312 per ac-ft $0.96 per kgal	None identified	None identified	None identified	None identified	None identified	May impact recreational use	None identified	None identified
				83	30	20	10	3	3	3	3	3	2	3	3

Environmental factors may include wetlands, threatened and endangered species, unique wildlife habitats, cultural resources and in-stream flows.

								3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
					30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = postivie impact	5 = postivie impact	5 = postive impact
Max Rating				100	30	20	10	5	5	5	5	5	5	5	5
Water User Group(s)	**County**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Factors**	**Third Party Impacts**
		New groundwater source	Develop well field in Winkler County		Sufficient	Reliable	$575 per ac-ft $1.76 per kgal	None identified	None identified	None identified	None identified	None identified	Positive impact	Improve water quality	Improve water quality
				88	30	20	9	3	3	3	3	3	4	5	5
Mining	Reagan	New non-potable ground water source	Develop wells in Edwards-Trinity Plateau aquifer		Unknown	Low to Moderate	$290 per ac-ft $0.89 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				62	20	8	10	3	3	3	3	3	3	3	3
Mining	Reeves	New non-potable ground water source	Develop wells in Cenozoic Pecos Alluvium aquifer		Sufficient	Moderate to High	$337 per ac-ft $1.03 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				69	20	15	10	3	3	3	3	3	3	3	3
Ballinger County-Other Manufacturing (Long-Term)	Runnels	Yield enhance-ment	Permanent diversion and pipeline to Lake Moonen		Sufficient	Depends upon source of makeup water. Assumed to be relatively reliable	High	None identified	None identified	Possible increased supply availible for other WUGs in Runnels County	None identified	May require purchase of irrigation rights	Positive impact on Lake Moonen water levels	Poor water quality of diversions will increase treatment costs	Reduced quality of raw water may impact third parties using treated water from Ballinger
				69	30	18	1	3	3	4	3	2	4	0	1
		Use existing source	Water from Millersview-Doole		Sufficient	Reliable	Moderate	None identified	None identified	Possible increased supply availible for other WUGs in Runnels County	None identified	None identified	None identified, quantity of water diverted from Lake Ivie insufficient to significantly affect lake levels	None identified	Increased salinity of raw water may impact third parties using treated water from Ballinger
				80	30	20	6	3	3	4	3	3	3	3	2
Ballinger County-Other Manufacturing (Near-Term)	Runnels	Use existing source	Temporary Contract with CRMWD		80 to 400 acre-feet per year	Depends upon availability of surplus Spence water. Assumed to be reliable for short-term needs	$554 per ac-ft $1.70 per kgal	Positive impact due to increased flows in Colorado River between Spence and Ballinger	None identified	Increased supply available for other WUGs in Runnels County	None identified	None identified, CRMWD supplies not used for agriculture	Increased potential for recreation in the Colorado River. Quantity of water released would probably have minimal impact on recreation at Spence Reservoir	None identified	Increased salinity of raw water may impact third parties using treated water from Ballinger
				82	30	15	9	5	3	5	3	3	4	3	2
			Expand Water Treatment Plant		550 acre-feet per year (1 mgd expansion)	Depends upon source	$483 per ac-ft $1.48 per kgal	None identified	None identified	Increased supply available for other WUGs in Runnels County	None identified	None identified	None identified	None identified	Improved quality of treated water
				80	30	15	7	3	3	5	3	3	3	3	5
Manufacturing Winters (Long-Term)	Runnels	Waste-water reuse	Reuse of Winters effluent for manufacturing needs		Sufficient, but treated effluent may not be appropriate depending upon manufacturing process	Reliable	Unknown, assumed to be moderate	None identified, effluent currently used for irrigated agriculture	None identified	Makes a small amount of water available for municipal use	None identified	Effluent currently used for irrigated agriculture	None identified	None identified	None identified
				72	25	20	5	3	3	3	3	1	3	3	3
Winters County-Other Manufacturing (Long-Term)	Runnels	Use existing source	Tap into proposed pipeline between Ivie and City of Abilene		Sufficient	Unknown, operation of proposed pipeline not defined	High	None identified	None identified	May make expansion of North Runnels capacity unnesesary	None identified	None identified	Total water diversions by City of Abiline will probably affect lake levels	None identified	Increased salinity of raw water may impact third parties using treated water from Winters
				70	30	15	4	3	3	2	3	3	2	3	2
		Use existing source	Treated water from City of Coleman via Coleman County WSC		Sufficient	Reliable	High	None identified	None identified	May make expansion of North Runnels capacity unnesesary	None identified	None identified	Possible impacts on recreation in Lake Coleman	May require expansion of City of Coleman facilities	None identified
				82	30	20	10	3	3	2	3	3	2	3	3
		New groundwater source	Develop well field		Unknown, may not be sufficient to totally meet needs	Unknown, shallow aquifers may not be reliable during drought	Low	None identified	None identified	May make expansion of North Runnels capacity unnesesary	Possible	Possible impacts on irrigation or livestock supplies	None identified	None identified	None identified
				68	22	15	10	3	3	2	2	2	3	3	3
Winters County-Other Manufacturing (Near-Term)	Runnels	Use existing source	Increased delivery capacity from Ballinger to Winters via North Runnels WSC		375 gallons per minute capacity, estimated 100 to 200 acre-feet per year	Reliable if supplies available for Ballinger	$1,150 per ac-ft $3.53 per kgal	None identified	Requires additional supply for City of Ballinger	Increases reliability of surface water supplies	None identified	None identified	None identified	Potential reduction in income for City of Winters because of transfer of North Runnels WSC demand to City of Ballinger during drought conditions	Increased salinity of raw water may impact third parties using treated water from Ballinger
				71	30	15	4	3	2	5	3	3	3	1	2
County Other	Tom Green	Use existing source	Purchase water from San Angelo		Sufficient	High	$652 per ac-ft $2.00 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				83	30	20	9	3	3	3	3	3	3	3	3
		New surface water/ground water source	New Ivie treatment plant, water distributed by Millersview-Doole		Sufficient	High	High	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				80	30	20	6	3	3	3	3	3	3	3	3
Irrigation	Tom Green	Reuse	Reuse of San Angelo wastewater		Insufficient	High	Low	None identified, waste water not discharged	None identified, waste water not discharged	May make wastewater unavailable for other uses	None identified	Positive	None identified	None identified	None identified
				75	20	20	10	3	3	2	3	5	3	3	3

Environmental factors may include wetlands, threatened and endangered species, unique wildlife habitats, cultural resources and in-stream flows.

								3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
					30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = postivie impact	5 = postivie impact	5 = postive impact
Max Rating				100	30	20	10	5	5	5	5	5	5	5	5
Water User Group(s)	**County**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Factors**	**Third Party Impacts**
San Angelo County Other Manufacturing	Tom Green	Brush control	North and Middle Concho projects		May increase Fisher supplies by a factor of 3 or 4, actual amount unknown at this time	Unknown	Unknown cost because quantity of water unknown. Assumed to be similar to other supplies	Will probably make more water available for environmental needs	Will probably increase local groundwater supplies	May make additional water available for irrigation	Will probably increase local groundwater supplies	May make additional water available for irrigation	May positively impact recreation on N. Concho, Fisher Reservoir	May have negative impact on wildlife dependent upon brush cover	Possibly increase forage for cattle industry
				48	5	5	8	4	4	4	4	4	4	2	4
		Enhancement of surface yields	System operation		2,064 ac-ft in 2030 2,035 ac-ft in 2040 2,007 ac-ft in 2050	Moderate	None	Positive impact on San Angelo system as less water is taken from system.	Will increase use from Lake Spence during drought.	None identified	None identified	None identified	Possible negative impacts on CRMWD reservoirs, possible positive impacts on local reservoirs	None identified	None identified
				63	10	18	10	4	3	3	3	3	3	3	3
		New groundwater source	McCulloch well field, CRMWD pipeline delivery		10,000 ac-ft in 2030 12,000 ac-ft in 2040 12,000 ac-ft in 2050	High	$359 per ac-ft $1.10 per kgal	None identified	Possible impacts on other Hickory aquifer users	None identified	None identified	Possible impact on other Hickory aquifer users	None identified	Does not increase peak supply	Increase in Radium concentration for other CRMWD users, concentration well below standards
				78	30	20	8	3	2	3	3	2	3	2	2
		New groundwater source	McCulloch well field, direct pipeline		10,000 ac-ft in 2030 12,000 ac-ft in 2040 12,000 ac-ft in 2050	High	$495 per ac-ft $1.52 per kgal	None identified	Possible impacts on other Hickory aquifer users	None identified	None identified	Possible impact on other Hickory aquifer users	None identified	None identified	None identified
				78	30	20	6	3	2	3	3	2	3	3	3
		Reuse	Direct		Insufficient	High	Costs not developed, assumed to be high	None identified, treated effluent currently not discharged	None identified	Reduces water available for irrigation and steam-electric	None identified	Reduces water available for irrigation	None identified	None identified	Reduced agricultural employment
				71	25	20	6	3	3	1	3	2	3	3	2
		Reuse	Meet part of manufacturing demand using treated effluent		Insufficient	High	Costs not developed, assumed to be high	None identified, treated effluent currently not discharged	None identified	Reduces water available for irrigation and steam-electric	None identified	Reduces water available for irrigation	None identified	None identified	Reduced agricultural employment
				56	10	20	6	3	3	1	3	2	3	3	2
Steam-Electric	Tom Green	Reuse	Reuse of San Angelo wastewater		Sufficient	High	$482 per ac-ft $1.48 per kgal	None identified	None identified	None identified	None identified	Reduces water available for irrigation	None identified	None identified	None identified
				82	30	20	9	3	3	3	3	2	3	3	3
		Voluntary transfer	Purchase irrigation water rights		Sufficient	High	Unknown	None identified	None identified	None identified	None identified	Reduced supply for agriculture	None identified	None identified	None identified
				78	30	18	8	3	3	3	3	1	3	3	3
Mining	Upton	conservation	Use excess supply from advanced conservation for irrigation												
				NA											
Mining	Ward	New non-potable ground water source	Develop wells in Cenozoic Pecos Alluvium aquifer		Sufficient	Moderate to High	$206 per ac-ft $0.63 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				79	30	15	10	3	3	3	3	3	3	3	3
Steam-Electric	Ward	New groundwater source	Develop well field in Winkler County from Cenozoic Pecos Alluvium aquifer		Sufficient	High	$238 per ac-ft $0.73 per kgal	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				84	30	20	10	3	3	3	3	3	3	3	3

Environmental factors may include wetlands, threatened and endangered species,
unique wildlife habitats, cultural resources and in-stream flows.

STRATEGY MATRIX
REGION F

Max Rating					100	30	20	10	5	5	5	5	5	5	5	5
						30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = postivie impact	5 = postivie impact	5 = postive impact
									3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
Water User Group(s)	**County**	**Demand Category**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Impacts**	**Third Party Impacts**
Manufacturing	Borden	Manufacturing	Use existing source	Increase use from existing source		Sufficient	High	Low	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					84	30	20	10	3	3	3	3	3	3	3	3
Manufacturing	Kimble	Manufacturing	New groundwater source	Develop well in Edwards-Trinity aquifer		Sufficient, however well yields tend to be low	Moderate to High	Low	None identified	Low	Low	None identified	Possible reduction in irrigated acreage for farming	None identified	None identified	None identified
					80	29	18	10	3	3	3	3	2	3	3	3
Manufacturing	Midland	Manufacturing	Use existing source	Purchase water from City		Sufficient	Reliable	Moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					84	30	20	10	3	3	3	3	3	3	3	3
Manufacturing Winters (Long-Term)	Runnels	Manufacturing Municipal	Waste-water reuse	Reuse of Winters effluent for manufacturing needs		Sufficient, but treated effluent may not be appropriate depending upon manufacturing process	Reliable	Unknown, assumed to be moderate	None identified, effluent currently used for irrigated agriculture	None identified	Makes a small amount of water available for municipal use	None identified	Effluent currently used for irrigated agriculture	None identified	None identified	None identified
					72	25	20	5	3	3	3	3	1	3	3	3
Mining	Ector	Mining	New groundwater source	Develop well field in Dockum aquifer		Sufficient	Low to Moderate	Unknown, asummed to be low to moderate	None identified	Low	None identified	None identified	Possible reduction in irrigated acreage for farming	None identified	None identified	None identified
					68	30	10	5	3	3	3	3	2	3	3	3
Mining	Martin	Mining	Natural Dam Lake/ Sulphur Draw	Use non-potable water from these existing sources.		Sufficient	Moderate to High	Unknown, asummed to be low to moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					74	30	15	5	3	3	3	3	3	3	3	3
Mining	Reagan	Mining	New non-potable ground water source	Develop wells in Edwards-Trinity Plateau aquifer		Unknown	Low to Moderate	Unknown, asummed to be low to moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					57	20	8	5	3	3	3	3	3	3	3	3
Mining	Reeves	Mining	New non-potable ground water source	Develop wells in Cenozoic Pecos Alluvium aquifer		Sufficient	Moderate to High	Unknown, asummed to be low to moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					64	20	15	5	3	3	3	3	3	3	3	3
Mining	Ward	Mining	New non-potable ground water source	Develop wells in Cenozoic Pecos Alluvium aquifer		Sufficient	Moderate to High	Unknown, asummed to be low to moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					74	30	15	5	3	3	3	3	3	3	3	3
Brown County Other	Brown	Municipal	Use existing source	Northern Brown County to Lake Brownwood		500 ac-ft/yr	Reliable	moderate to high	None identified	Decreases reliance on local groundwater supplies	None identified	None identified	May make more groundwater available for agriculture	Increased use may impact recreation in Lake Brownwood	None identified	None identified
					80	30	20	4	3	5	3	3	4	2	3	3
Early	Brown	Municipal	Use existing source	Expand Early WTP		250 ac-ft/yr	Reliable	moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					80	30	20	6	3	3	3	3	3	3	3	3
			Use existing source	Buy water from Brownwood/BCWID		250 ac-ft/yr	Reliable	moderate, close to existing costs	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					82	30	20	8	3	3	3	3	3	3	3	3
Junction	Kimble	Municipal	New groundwater source	Develop wells in Edwards-Trinity aquifer in Kimble or Menard Counties		Sufficient, however well yields tend to be low	Moderate to High	Low	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					81	29	18	10	3	3	3	3	3	3	3	3
Hickory	McCulloch, Concho, Runnels, & Tom Green			Brady Creek Reservoir Water Treatment Plant		Insufficient	High	Low	Low to Moderate due to brine disposal	None identified	None identified	None identified	None identified	Moderate, may impact recreational activities at Brady Creek Reservoir	None identified	None identified
					68	16	20	10	2	3	3	3	3	2	3	3
				San Saba Off-Channel Reservoir		Insufficient	High	High	Possible positive impact	Low to moderate	None identified	None identified	Low	May decrease flows in San Saba River for recreation	None identified	None identified
					61	15	20	3	4	2	3	3	3	2	3	3
				Lake Ivie Water Treatment Plant		Insufficient	High	High	Low to Moderate due to brine disposal	Low	None identified	None identified	None identified	None identified	None identified	None identified
					62	14	20	5	2	3	3	3	3	3	3	3
				New Ellenburger Well Field		Insufficient	High	Moderate	Low	Low	None identified	None identified	None identified	None identified	None identified	None identified
					64	13	20	7	3	3	3	3	3	3	3	3
				Purchase water from Brown County WID		Insufficient	High	High	Low	Low	None identified	None identified	None identified	None identified	None identified	None identified
					61	14	20	3	3	3	3	3	3	3	3	3
				New Hickory Well Field		Insufficient	Moderate	Low	Low	Low	None identified	None identified	Low	None identified	None identified	None identified
					68	17	17	10	3	3	3	3	3	3	3	3

Max Rating					100	30	20	10	5	5	5	5	5	5	5	5
						30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = postivie impact	5 = postivie impact	5 = postive impact
									3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
Water User Group(s)	**County**	**Demand Category**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Impacts**	**Third Party Impacts**
Menard	Menard	Municipal	New groundwater source	Develop wells in Edwards-Trinity aquifer		Sufficient, however well yields tend to be low	Moderate to High	Moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					79	30	18	7	3	3	3	3	3	3	3	3
Midland	Midland	Municipal	Use existing source	Renew CRMWD 1966 contract.		20,000 acre-feet, not sufficient to meet needs by 2040	May require increased capacity on CRMWD system. Otherwise very reliable.	assume same costs as current contract	Existing reservoirs. Spence and Ivie permit have required releases, increased demand will have little impact on spills	Existing reservoirs with few spills. Assume no impact	May impact other strategies relying on increase in CRMWD water. May require additional capacity from CRMWD.	No identified relationship between ground and surface water for CRMWD supplies	CMRWD supplies not used for agriculture	Some impact on recreation with increased use of reservoirs	None identified	None identified
					78	25	20	10	3	3	3	3	3	2	3	3
			New groundwater source	T-Bar well field, Winkler County		13,400 acre-feet per year	Reliable over the 50-year expected life of the project	Low	Groundwater source, no springs in area, no impact identified	None identified	Excess water is available Winkler County	No surface water in area, ground/surface water interaction unlikely	Agriculture limited in Winkler County. May impact future development.	None identified	None identified	None identified
					71	20	20	8	3	3	3	3	2	3	3	3
County Other	Tom Green	Municipal	Use existing source	Purchase water from San Angelo		Sufficient	High	Low	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					83	30	20	9	3	3	3	3	3	3	3	3
			New surface water/ground water source	New Ivie treatment plant, water distributed by Millersview-Doole		Sufficient	High	Moderate	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					82	30	20	8	3	3	3	3	3	3	3	3
Ballinger County-Other Manufacturing (Long-Term)	Runnels	Municipal Manufacturing	Yield enhance-ment	Permanent diversion and pipeline to Lake Moonen		Sufficient	Depends upon source of makeup water. Assumed to be relatively reliable	High	None identified	None identified	Possible increased supply availible for other WUGs in Runnels County	None identified	May require purchase of irrigation rights	Positive impact on Lake Moonen water levels	Poor water quality of diversions will increase treatment costs	Reduced quality of raw water may impact third parties using treated water from Ballinger
					69	30	18	1	3	3	4	3	2	4	0	1
			Use existing source	Water from Millersview-Doole		Sufficient	Very reliable	Moderate	None identified	None identified	Possible increased supply availible for other WUGs in Runnels County	None identified	None identified	None identified, quantity of water diverted from Lake Ivie insufficient to significantly affect lake levels	None identified	Increased salinity of raw water may impact third parties using treated water from Ballinger
					80	30	20	6	3	3	4	3	3	3	3	2
Ballinger County-Other Manufacturing (Near-Term)	Runnels	Municipal Manufacturing	Use existing source	Temporary Contract with CRMWD		80 to 400 acre-feet per year	Depends upon availability of surplus Spence water. Assumed to be reliable for short-term needs	Low	Positive impact due to increased flows in Colorado River between Spence and Ballinger	None identified	Increased supply available for other WUGs in Runnels County	None identified	None identified, CRMWD supplies not used for agriculture	Increased potential for recreation in the Colorado River. Quantity of water released would probably have minimal impact on recreation at Spence Reservoir	None identified	Increased salinity of raw water may impact third parties using treated water from Ballinger
					81	30	15	8	5	3	5	3	3	4	3	2
				Expand Water Treatment Plant		550 acre-feet per year (1 mgd expansion)	Very reliable	Low to moderate	None identified	None identified	Increased supply available for other WUGs in Runnels County	None identified	None identified	None identified	None identified	Improved quality of treated water
					85	30	20	7	3	3	5	3	3	3	3	5
Winters County-Other Manufacturing (Long-Term)	Runnels	Municipal Manufacturing	Use existing source	Tap into proposed pipeline between Ivie and City of Abilene		Sufficient	Unknown, operation of proposed pipeline not defined	High	None identified	None identified	May make expansion of North Runnels capacity unnessesary	None identified	None identified	Total water diversions by City of Abiline will probably affect lake levels	None identified	Increased salinity of raw water may impact third parties using treated water from Winters
					70	30	15	4	3	3	2	3	3	2	3	2
			Use existing source	Treated water from City of Coleman via Coleman County WSC		Sufficient	Reliable	Moderate	None identified	None identified	May make expansion of North Runnels capacity unnessesary	None identified	None identified	Possible impacts on recreation in Lake Coleman	May require expansion of City of Coleman facilities	None identified
					79	30	20	7	3	3	2	3	3	2	3	3
			New groundwater source	Develop well field		Unknown, may not be sufficient to totally meet needs	Unknown, shallow aquifers may not be reliable during drought	Low	None identified	None identified	May make expansion of North Runnels capacity unnessesary	Possible	Possible impacts on irrigation or livestock supplies	None identified	None identified	None identified
					68	22	15	10	3	3	2	2	2	3	3	3
Winters County-Other Manufacturing (Near-Term)	Runnels	Municipal Manufacturing	Use existing source	Increased delivery capacity from Ballinger to Winters via North Runnels WSC		375 gallons per minute capacity, estimated 100 to 200 acre-feet per year	Reliable if supplies available for Ballinger	Moderate to high	None identified	Requires additional supply for City of Ballinger	Increases reliability of surface water supplies	None identified	None identified	None identified	Potential reduction in income for City of Winters because of transfer of North Runnels WSC demand to City of Ballinger during drought conditions	Increased salinity of raw water may impact third parties using treated water from Ballinger
					71	30	15	4	3	2	5	3	3	3	1	2

STRATEGY MATRIX
REGION F

Max Rating					100	30	20	10	5	5	5	5	5	5	5	5
						30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = postivie impact	5 = postivie impact	5 = postive impact
									3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
Water User Group(s)	**County**	**Demand Category**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Impacts**	**Third Party Impacts**
San Angelo County Other Manufacturing	Tom Green	Municipal Manufacturing	Brush control	North and Middle Concho projects		May increase Fisher supplies by a factor of 3 or 4, actual amount unknown at this time	Unknown	Unknown cost because quantity of water unknown. Assumed to be similar to other supplies	Will probably make more water available for environmental needs	Will probably increase local groundwater supplies	May make additional water available for irrigation	Will probably increase local groundwater supplies	May make additional water available for irrigation	May positively impact recreation on N. Concho, Fisher Reservoir	May have negative impact on wildlife dependent upon brush cover	Possibly increase forage for cattle industry
					48	5	5	8	4	4	4	4	4	4	2	4
			Enhancement of surface yields	System operation		2,064 ac-ft in 2030 2,035 ac-ft in 2040 2,007 ac-ft in 2050	Moderate	None	None identified	None identified	None identified	None identified	None identified	Possible negative impacts on CRMWD reservoirs, possible positive impacts on local reservoirs	None identified	None identified
					62	10	18	10	3	3	3	3	3	3	3	3
		Municipal Manufacturing	New groundwater source	McCulloch well field, CRMWD pipeline delivery		10,000 ac-ft in 2030 12,000 ac-ft in 2040 12,000 ac-ft in 2050	High	Low	None identified	Possible impacts on other Hickory aquifer users	None identified	None identified	Possible impact on other Hickory aquifer users	None identified	None identified	Increase in Radium concentration for other CRMWD users, concentration well below standards
					79	30	20	8	3	2	3	3	2	3	3	2
			New groundwater source	McCulloch well field, direct pipeline		10,000 ac-ft in 2030 12,000 ac-ft in 2040 12,000 ac-ft in 2050	High	Low	None identified	Possible impacts on other Hickory aquifer users	None identified	None identified	Possible impact on other Hickory aquifer users	None identified	None identified	None identified
					78	30	20	6	3	2	3	3	2	3	3	3
			Reuse	Direct		Insufficient	High	Costs not developed, assumed to be high	None identified, treated effluent currently not discharged	None identified	Reduces water available for irrigation and steam-electric	None identified	Reduces water available for irrigation	None identified	None identified	Reduced agricultural employment
					69	25	20	4	3	3	1	3	2	3	3	2
			Reuse	Meet part of manufacturing demand using treated effluent		Insufficient	High	Costs not developed, assumed to be high	None identified, treated effluent currently not discharged	None identified	Reduces water available for irrigation and steam-electric	None identified	Reduces water available for irrigation	None identified	None identified	Reduced agricultural employment
					54	10	20	4	3	3	1	3	2	3	3	2
Steam-Electric	Crockett	Steam-Electric	Use existing source	Develop additional wells in Edwards-Trinity Aquifer		Sufficient	Moderate to High	Low	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					82	30	18	10	3	3	3	3	3	3	3	3
Steam-Electric	Mitchell	Steam-Electric	Use existing source	Use water supply from Lake Brownwood, Lake Coleman, and Lake Spence in Brown, Coleman, or Coke counties		Sufficient	Moderate to High	Low	Low	Minimal increase evaporation from lake	None identified	None identified	None identified	Moderate, may impact recreational activities	None identified	None identified
					81	30	18	10	3	3	3	3	3	2	3	3
Steam-Electric	Tom Green	Steam-Electric	Reuse	Reuse of San Angelo wastewater		Sufficient	High	Low	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
					84	30	20	10	3	3	3	3	3	3	3	3
			Voluntary transfer	Purchase irrigation water rights		Sufficient	High	Moderate	None identified	None identified	None identified	None identified	Reduced supply for agriculture	None identified	None identified	None identified
					80	30	20	8	3	3	3	3	1	3	3	3
Steam-Electric	Ward	Steam-Electric	New groundwater source	Develop well field in Winkler County from Cenozoic Pecos Alluvium aquifer		Sufficient	High	Low	None identified	None identified	None identified	None identified	Possible reduction in irrigated acreage for farming	None identified	None identified	None identified
					83	30	20	10	3	3	3	3	2	3	3	3

Table 10
Comparison of Strategies
for McCulloch and Concho Counties, and Portions of Runnels and Tom Green Counties

							3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
				30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = postive impact	5 = postivie impact
				30	20	10	5	5	5	5	5	5	5
Demand Category	**Strategy Designation**	**Strategy Description**	**Overall Rating**	**Quantity: Demand (af/yr); Peak (MGD)**	**Reliability**	**Cost (per acre-foot)**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Impacts**
Municipal; Manufacturing	A	Brady Creek Reservoir WTP + San Saba River off-channel reservoir + New Ellenburger well field		5600; 7.44	Should be reliable	waiting for OCR cost	Stream inflow issues for OCR must be considered; should not affect Brady Creek (existing source).	Diversion from San Saba River could impact downstream supplies, but should be minor if at all.	Will help any strategies for other systems in Runnels or Tom Green Counties	None identified	None identified	Diversion of water from Brady Creek Reservoir could severely impact recreation on the lake during dry periods.	Disposal of brine reject from water treatment will be a significant issue
			76	30	20	5	2	3	4	3	3	2	2
Municipal; Manufacturing	B	Brady Creek Reservoir WTP + New Hickory well field + New Ellenburger well field		5,600; 7.44	Should be reliable	$1,232	None identified	None identified	Will help any strategies for other systems in Runnels or Tom Green Counties	None identified	None identified	Diversion of water from Brady Creek Reservoir could severely impact recreation on the lake during dry periods.	Disposal of brine reject from water treatment will be a significant issue
			79	30	20	7	3	3	4	3	3	2	2
Municipal; Manufacturing	C	Brady Creek Reservoir WTP + San Saba River off-channel reservoir + Lake Ivie WTP		4,700; 7.0	Should be reliable	waiting for OCR cost	Stream inflow issues for OCR must be considered; should not affect Brady Creek or Lake Ivie (existing sources).	Diversion of water from the San Saba River could affect downstream resources; diversion from Lake Ivie should have minimal impact on other water resources	Will help any strategies for other systems in Runnels or Tom Green Counties	None identified	None identified	Diversion of water from Brady Creek Reservoir could impact recreation on the lake during dry periods	This strategy spreads the sources out over the area which may reduce pumping requirements; all surface water strategy could have negative public acceptability.
			77	30	20	4	2	2	4	3	3	2	4
Municipal; Manufacturing	D	Brady Creek Reservoir WTP + Lake Ivie WTP + Brown County WCID water		4,200; 7.0; demand is slightly below design demand, but should be okay if minimal blending with existing sources can be done	Should be reliable	$2,286	None identified	Diversion from Lake Ivie should have minimal impact on other water resources	Will help any strategies for other systems in Runnels or Tom Green Counties	None identified	None identified	Diversion of water from Brady Creek Reservoir could impact recreation on the lake during dry periods	This strategy spreads the sources out over the area which may reduce pumping requirements; all surface water strategy could have negative public acceptability.
			74	28	20	1	3	3	4	3	3	2	4
Municipal; Manufacturing	E	Lake Ivie WTP + Brown County WCID + New Hickory well field		4,600; 8.0	Should be reliable	$1,957	None identified	Diversion from Lake Ivie should have minimal impact on other water resources	Will help any strategies for other systems in Runnels or Tom Green Counties	None identified	None identified	None identified	This strategy spreads the sources out over the area which may reduce pumping requirements
			76	30	20	1	3	3	4	3	3	3	4

Table 10
Comparison of Strategies
for McCulloch and Concho Counties, and Portions of Runnels and Tom Green Counties

Municipal; Manufacturing	F	Brady Creek Reservoir WTP + New Hickory well field		4,800; 7.0	Should be reliable	$1,292	None identified	None identified	Will help any strategies for other systems in Runnels or Tom Green Counties	None identified	None identified	Diversion of water from Brady Creek Reservoir could impact recreation on the lake during dry periods	Disposal of brine reject from water treatment will be a significant issue; This strategy depends on only 2 sources of water from the same general area
			78	30	20	6	3	3	4	3	3	2	2

Table 10
Comparison of Strategies
for McCulloch and Concho Counties, and Portions of Runnels and Tom Green Counties

3 = no impact
5 = postive impact
5
Third Party Impacts
Development of the off-channel reservoir will impact surrounding landowners; Ellenburger wells could impact other local wells.
2
Local well impacts possible from either Ellenburger or Hickory well fields.
2
None identified
3
None identified
3
Local well impacts possible from Hickory well field.
2

Table 10
Comparison of Strategies
for McCulloch and Concho Counties, and Portions of Runnels and Tom Green Counties

Local well impacts possible Hickory well field.
2

Table 1
Comparison of Strategies for Brown County

								3 = no impact	3 = no impact
					30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact
			Max Rating	100	30	20	10	5	5
Water User Group	**Demand Category**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**
Brown County Other	Municipal	Use existing source	Northern Brown County to Lake Brownwood		500 ac-ft/yr	Reliable	$1,864 per ac-ft $5.72 per kgal	None identified	Decreases reliance on local groundwater supplies
				81	30	20	5	3	5
Early	Municipal	Use existing source	Expand Early WTP		250 ac-ft/yr	Reliable	$1,052 per ac-ft $3.23 per kgal	None identified	None identified
				79	30	20	5	3	3
		Use existing source	Buy water from Brownwood/BCWID		250 ac-ft/yr	Reliable	$841 per ac-ft $2.58 per kgal	None identified	None identified
				82	30	20	8	3	3

Table 1
Comparison of Strategies for Brown County

	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact	5 = positive impact
	5	5	5	5	5	5
Water User Group	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Impacts**	**Third Party Impacts**
Brown County Other	None identified	None identified	May make more groundwater available for agriculture	Increased use may impact recreation in Lake Brownwood	None identified	None identified
	3	3	4	2	3	3
Early	None identified	None identified	None identified	None identified	None identified	None identified
	3	3	3	3	3	3
	None identified	None identified	None identified	None identified	None identified	None identified
	3	3	3	3	3	3

Table 1
Summary of Strategies for
Midland and Midland County Manufacturing

Water User Group	Demand Category	Strategy Category	Strategy Description	Overall Rating	Quantity	Reliability	Cost	Impact on Environmental Water Needs	Impact on Other Water Sources	Impact on Other Proposed Strategies	Impact on Ground/Surface Water Relationships	Impact on Threats to Agricultural Resources	Recreational Impacts	Other Impacts
Midland	Municipal	Use existing source	Renew CRMWD 1966 contract.		20,000 acre-feet, not sufficient to meet needs by 2040	May require increased capacity on CRMWD system. Otherwise very reliable.	$407 per acre-foot $1.25 per 1000 gallons	Existing reservoirs. Spence and Ivie permit have required releases, increased demand will have little impact on spills	Existing reservoirs with few spills. Assume no impact	May impact other strategies relying on increase in CRMWD water. May require additional capacity from CRMWD.	No identified relationship between ground and surface water for CRMWD supplies	CMRWD supplies not used for agriculture	Some impact on recreation with increased use of reservoirs	None identified
				78	25	20	10	3	3	3	3	3	2	3
Midland	Municipal	New groundwater source	T-Bar well field, Winkler County		13,400 acre-feet per year	Reliable over the 50-year expected life of the project	$481 per acre-foot $1.48 per 1000 gallons	Groundwater source, no springs in area, no impact identified	None identified	Excess water is available Winkler County	No surface water in area, ground/surface water interaction unlikely	Agriculture limited in Winkler County. May impact future development.	None identified	None identified
				71	20	20	8	3	3	3	3	2	3	3
Manufacturing	Manufacturing	Use existing source	Purchase water from City		Sufficient	Reliable	$800 per acre-foot $2.45 per 1000 gallons	None identified	None identified	None identified	None identified	None identified	None identified	None identified
				84	30	20	10	3	3	3	3	3	3	3

Table 1
Summary of Strategies for
Midland and Midland County Manufacturing

Third Party Impacts
None identified
3
None identified
3
None identified
3

Table 3
Comparison of Near-Term Strategies
Runnels County

								3 = no impact	3 = no impact
					30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact
					30	20	10	5	5
Water User Group(s)	**Demand Category**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**
Ballinger County-Other Manufacturing	Municipal Manufacturing	Use existing source	Temporary Contract with CRMWD		80 to 400 acre-feet per year	Depends upon availability of surplus Spence water. Assumed to be reliable for short-term needs	$185 per acre-foot	Positive impact due to increased flows in Colorado River between Spence and Ballinger	None identified
				81	30	15	8	5	3
			Expand Water Treatment Plant		550 acre-feet per year (1 mgd expansion)	Very reliable	$476 per acre-foot	None identified	None identified
				85	30	20	7	3	3
Winters County-Other Manufacturing	Municipal Manufacturing	Use existing source	Increased delivery capacity from Ballinger to Winters via North Runnels WSC		375 gallons per minute capacity, estimated 100 to 200 acre-feet per year	Reliable if supplies available for Ballinger	? per acre-foot	None identified	Requires additional supply for City of Ballinger
				71	30	15	4	3	2

Table 3
Comparison of Near-Term Strategies
Runnels County

	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact	3 = no impact
	5 = positive impact	5 = positive impact	5 = positive impact	5 = postive impact	5 = postivie impact	5 = postive impact
	5	5	5	5	5	5
Water User Group(s)	**Impact on Other Proposed Strategies**	**Impact on Ground/Surface Water Relationships**	**Impact on Threats to Agricultural Resources**	**Recreational Impacts**	**Other Impacts**	**Third Party Impacts**
Ballinger County-Other Manufacturing	Increased supply available for other WUGs in Runnels County	None identified	None identified, CRMWD supplies not used for agriculture	Increased potential for recreation in the Colorado River. Quantity of water released would probably have minimal impact on recreation at Spence Reservoir	None identified	Increased salinity of raw water may impact third parties using treated water from Ballinger
	5	3	3	4	3	2
	Increased supply available for other WUGs in Runnels County	None identified	None identified	None identified	None identified	Improved quality of treated water
	5	3	3	3	3	5
Winters County-Other Manufacturing	Increases reliability of surface water supplies	None identified	None identified	None identified	Potential reduction in income for City of Winters because of transfer of North Runnels WSC demand to City of Ballinger during drought conditions	Increased salinity of raw water may impact third parties using treated water from Ballinger
	5	3	3	3	1	2

Table 4
Comparison of Long-Term Strategies
Runnels County

								3 = no impact	3 = no impact
					30 = 100% of need	20 = 100% of time during drought	10 = close to current	5 = positive impact	5 = positive impact
					30	20	10	5	5
Water User Group(s)	**Demand Category**	**Strategy Category**	**Strategy Description**	**Overall Rating**	**Quantity**	**Reliability**	**Cost**	**Impact on Environmental Water Needs**	**Impact on Other Water Sources**
Ballinger County-Other Manufacturing	Municipal Manufacturing	Yield enhance-ment	Permanent diversion and pipeline to Lake Moonen		Sufficient	Depends upon source of makeup water. Assumed to be relatively reliable	High	None identified	None identified
				69	30	18	1	3	3
		Use existing source	Water from Millersview-Doole		Sufficient	Very reliable	Moderate	None identified	None identified
				80	30	20	6	3	3
Winters County-Other Manufacturing	Municipal Manufacturing	Use existing source	Tap into proposed pipeline between Ivie and City of Abilene		Sufficient	Unknown, operation of proposed pipeline not defined	High	None identified	None identified
				70	30	15	4	3	3
		Use existing source	Treated water from City of Coleman via Coleman County WSC		Sufficient	Reliable	Moderate	None identified	None identified
				79	30	20	7	3	3
		New ground water source	Develop well field		Unknown, may not be sufficient to totally meet needs	Unknown, shallow aquifers may not be reliable during drought	Low	None identified	None identified
				68	22	15	10	3	3
Manufacturing Winters	Manufacturing Municipal	Waste-water reuse	Reuse of Winters effluent for manufacturing needs		Sufficient, but treated effluent may not be appropriate depending upon manufacturing process	Reliable	Unknown, assumed to be moderate	None identified, effluent currently used for irrigated agriculture	None identified

GROUND WATER DROUGHT TRIGGERS

Drought contingency plans provide a structured response that is intended to minimize the damaging effects caused by the water shortage conditions. A common feature of drought contingency plans is a structure that allows increasingly stringent drought response measures to be implemented in successive stages as water supply diminishes or water demand increases (TNRCC, 1999). This measured or gradual approach allows for timely and appropriate action as a water shortage develops. The onset and termination of each implementation stage should be defined by specific “triggering” criteria. Triggering criteria are intended to ensure that timely action is taken in response to a developing situation and that the response is appropriate to the level of severity of the situation.

Drought response triggers should be specific to each water supplier and should be based on an assessment of the water user’s vulnerability. Groundwater drought triggers may be based on levels of user demand, water treatment plant or delivery system capabilities, water levels within designated monitor wells that have a record of historical measurements or in some cases using short or long term weather patterns. Whichever method is employed, trigger criteria should be defined on well-established relationships between the benchmark and historical experience. If historical observations have not been made then common sense must prevail until such time that more specific data can be presented.

Ground-water triggers are not as easily identified as factors related to surface-water systems. This is attributable to (1) the rapid response of stream discharge and reservoir storage to short-term changes in climatic conditions and (2) the typically slower response of ground-water systems to recharge processes. Wet climatic conditions over a period of one or two years might have a significant impact on the availability of surface water. However, aquifers in the same area might not show comparable levels of response for much longer periods of time, depending on infiltration rates, size and location of the recharge areas, the distribution of precipitation, and the extent to which aquifers are developed and exploited by major users of ground water.

Aquifers that do not receive sufficient recharge to offset natural discharge and pumpage may be depleted of ground water (e.g., mined) over time. The rate and extent of ground-water mining are related to the timeframe and the extent to which withdrawals exceed recharge. In such aquifers, water levels may fall over long periods of time, eventually reaching a point at which the cost of lifting water to the surface becomes uneconomic. Thus, water levels alone in such areas may not be a satisfactory drought trigger. Instead, communities might consider the average annual rate of water level decline relative to the remaining saturated thickness of the aquifer, and increased well pumping costs as water levels decline as a drought trigger indicators.

Water levels in observation wells in and adjacent to municipal well fields, especially wells completed in aquifers that respond relatively quickly to recharge events, may be established as drought triggers for municipalities if historical water level measurements are available. Water levels below specified elevations for a pre-determined period of time might be interpreted to be reasonable ground-water indicators of drought conditions. Until such historical water-level trends are established, municipalities will likely continue to depend on demand as a percentage of production capacity as their primary drought trigger.

As discussed earlier in this section, ground-water levels in this part of the State have only limited use as drought triggers. Although numerous water-level measurements are available on a number of wells in the Region F, most of this data represents only one measurement a year. This does not allow for observation of seasonal fluctuation or response to recharge events. However, wells have been selected that could monitor water levels in each aquifer, county and for each user group and the locations of these wells are illustrated in Figure F-2.

Table F-2 lists the individual available well information obtained from TWDB and TNRCC databases including well location, owner, elevation, depth, use and historical water levels. Historical water level trends, aquifer type, well-saturated thickness, drought trigger levels and present drought status were determined from this data. Wells selected in this list had a combination of the most complete record of historical water levels and/or the most recent water levels (1994 -2000). If water level information was unavailable, the most recent well drilled and/or the deepest well was selected.

When historical water level data was available, a benchmark water level from each well was determined by calculating the average of the historical water levels. Drought trigger levels were set at 50% mark between the benchmark level and the historical low. If the difference in the historical low and benchmark level for a well was less than 10% of the water column in the well, it was assumed that there is not sufficient water level variation to establish drought trigger levels. Also, if the historical water level data indicated the well was being mined, an average mining rate was determined and the trigger level was set at a 25% increase in the average mining rate.

Wells assigned the “Insufficient data” status should not be used for ground water management decisions until additional data is collected. Drought related decisions of ground water management in these areas should be based a combination of weather, user demand and or water system delivery capacity to determine drought triggers.

Water-use categories in the Region F other than municipal that are dependent on ground water as their primary or only source of supply must rely on a number of factors to identify drought conditions. In most cases, atmospheric condition (days without measurable rainfall) is the most obvious factor. Various drought indices (Palmer, Standard Precipitation, and Keetch-Byram) are available from State and local sources. Groundwater conservation districts, agricultural agencies, as well as individuals can access these indices for use in determining local drought conditions and appropriate responses.

The TWDB staff measures water levels of approximately a third of the monitor wells listed in Table F-2. Groundwater conservation districts are generally responsible for monitoring conditions within their boundaries and making appropriate public notification. Outside of existing districts, the TWDB should assume responsibility of public notification of drought conditions based on their water-level monitoring network. Appropriate drought responses are the responsibility of and at the discretion of private well owners. Wells selected for drought contingency triggers should be re-evaluated for appropriateness during the next planning period.

Table F-2

Region F Water Level Monitor Wells

Monitoring Well														Drought Triggers			
SWN	County	Aquifer	Owner	Elev.	Well Depth	Use	most recent WL	WL/ Decade Trend	recent water column in Well	Historical Lowest_WL	Historical Highest_WL	Decade Avg. WL	Diff. Of Avg - Lowest_WL	W.L. Avg-50%	Mining	W.L. decrease / year	Drought Response
2736201	Andrews	121OGLL	City of Andrews	3158	200	P	-104.2	-1.4	96	-104.2	-99.9	-102.1	-2.1	Insuff			Additional data is needed.
2745401	Andrews	121OGLL	Charley Welch	3098	125	I	-71.8	-7.3	53	-73.2	-49.9	-61.6	-11.7	-67.4			Notification of drought conditions
2739405	Andrews	121OGLL	City of Midland	2960	215	P								Insuff			Additional data is needed.
2803601	Borden	121OGLL	N. Jones Hubert Walker	2953	57	I	-20.3	2.7	37	-31.2	-13.5	-22.4	-8.9	-26.8			Notification of drought conditions
4101918	Brown	218TVPK	Claude McInnis	1675	135	H	-104.7	-7.3	30	-105.7	-75.7	-90.7	-15	-98.2			Notification of drought conditions
4101234	Brown	218TVPK	May Water Supply	1650	118	P	-62.9	0.9	55	-85.7	-62.9	-74.3	-11.4	-80			Coordinate with entity's DC plan
4118650	Brown	218TVPK	D.A. Young	1475	134	I	-29.8	-0.3	104	-32.6	-28.8	-30.7	-1.9	Insuff			Additional data is needed.
4110641	Brown	218TVPK	City of Blanket	1650	240	P								Insuff			Additional data is needed.
4314602	Coke	318CLFK	Mrs. Imogene Griffin	1835	160	H	-119.6	1.5	40	-125.5	-119.6	-122.5	-2.9	Insuff			Additional data is needed.
4213201	Coleman	110ALVM	City of Coleman	1690	22	P								Insuff			Additional data is needed.
4249806	Concho	218EDRDA	J. C. Sorrell	2184		U	-111.9			-113.1	-111.9	-112.5	-0.6	Insuff			Additional data is needed.
4250102	Concho	218EDRDA	City of Eden	2044	36	P	-26.6	0.4	9	-28.2	-25.6	-26.9	-1.3	-27.6			Coordinate with entity's DC plan
4535301	Crane	110ALVM	City of Crane	2521	156	P		-16.1		-112.3	-48	-80.2	-32.2		Yes	-2	Coordinate with entity's DC plan
4529401	Crane	100PECS	Phillip's Crane Water	2670	105	U	-44.4	3.0	61	-64.9	-44.4	-54.7	-10.3	-59.8			Notification of drought conditions
5415304	Crockett	218EDRDA	John Childress	2540	420	I	-356.6	-0.6	63	-358.4	-354	-356.2	-2.2	Insuff			Additional data is needed.
5423106	Crockett	218EDRDA	Crockett County	2400	397	P	-323.1	-0.5	74	-323.1	-321.3	-322.2	-0.9	Insuff			Additional data is needed.
2762801	Ector	218ALRS	L. W. Bell	2925	147	I	-127.1	-14.6	20	-127.1	-39.4	-83.3	-43.9		Yes	-1.9	Notification of drought conditions
4505607	Ector	218ALRS	CRMWD	2951	180	P	-111.5	-4.5	69	-113.7	-84.7	-99.2	-14.5	-106.5			Coordinate with entity's DC plan
2761903	Ector	218ALRS	City of Odessa-Parks	2963	91	P	-85.7	-5.0	5	-85.7	-70.6	-78.2	-7.6		Yes	-0.6	Coordinate with entity's DC plan
4504107	Ector	218ALRS	City of Goldsmith	3165	159	P								Insuff			Additional data is needed.
4406307	Glasscock	110ALVM	CRMWD	2522	229	P		-0.8		-75.1	-72	-73.6	-1.6	-74.3			Coordinate with entity's DC plan
4413103	Glasscock	218ALRS	Fred Ratliff	2605	200	I	-91.6	-5.2	108	-91.6	-70.7	-81.2	-10.5		Yes	-1	Notification of drought conditions
2859301	Howard	121OGLL	Dr. G.T. Hall	2519	108	I	-30.5	7.6	78	-60.8	-30.5	-45.7	-15.2	-53.2			Notification of drought conditions
2862121	Howard	218ALRS	City of Forsan	2765	284	P								Insuff			Additional data is needed.
4440901	Irion	110AVAN	John Sheen	2230	121	I	-16.2	0.6	105	-18.7	-14.2	-16.5	-2.3	Insuff			Additional data is needed.
4455811	Irion	218EDDT	Barnhart Water	2625	418	P	-144.4	35.5	274	-315.5	-144.4	-230	-85.6	-272.7			Coordinate with entity's DC plan
4455811	Irion	218EDDT	Barnhart Water Works	2625	418	P	-136.2	37.6	282	-315.5	-136.2	-225.9	-89.7	-270.7			Coordinate with entity's DC plan
4350215	Irion	218ALRS	City of Mertzon	2202	130	P								Insuff			Additional data is needed.
5634307	Kimble	100ALVM	City of Junction		21	P								Insuff			Additional data is needed.
5524601	Kimble	218EDRDA	A.D. Rust	2283	318	S	-236	5.5	82	-257.8	-227.1	-242.4	-15.3	-250.1			Notification of drought conditions
5620513	Kimble	210CRCS	London Community		90	P								Insuff			Additional data is needed.
4612402	Loving	100PECS	Johnson Ranch Partner	2840	173	S	-136.3	0.4	37	-139.6	-133.8	-136.7	-2.9	Insuff			Additional data is needed.
2739903	Martin	121OGLL	City of Midland	2895	182	U	-134.3	-5.5	48	-139.4	-112.2	-125.8	-13.6	-132.6			Notification of drought conditions
2849908	Martin	121OGLL	CRMWD	2742	188	P		-11.2		-113.9	-69	-91.5	-22.5		Yes	-1.5	Coordinate with entity's DC plan
2850813	Martin	121OGLL	City of Stanton	2670		P								Insuff			Additional data is needed.
5623115	Mason	371HCKR	City of Mason	1590	335	P	-83.5		252					Insuff			Additional data is needed.
5613601	Mason	371HCKR	Mrs. Earl Larmore	1741	425	I	-69.8	-3.6	355	-72.3	-51.8	-62.1	-10.3	-67.2			Notification of drought conditions
4239901	McCulloch	324STRN	City of Mercury	1475	436	P								Insuff			Additional data is needed.
4255203	McCulloch	320MBLF	Wayne Myers	1758	240									Insuff			Additional data is needed.
4263801	McCulloch	367EBHK	J.A. Vince	1553	349	I								Insuff			Additional data is needed.
4255101	McCulloch	371HCKR	Rochelle Water	1778	2350	P	-320.2	-8.5	2030	-326.1	-294.7	-310.4	-15.7	-318.3			Coordinate with entity's DC plan
5606614	McCulloch	371HCKR	T.W.D.B.	1743	641	N	-143.5	-6.8	498	-143.5	-123.1	-133.3	-10.2		Yes	-0.9	Notification of drought conditions
4245601	McCulloch	371HCKR	Lohn WSC	1561	2746	P	-69.8	-16.0	2676	-69.8	-21.7	-45.8	-24.1		Yes	-2	Coordinate with entity's DC plan
5607302	McCulloch	371HCKR	M.F. Deans	1552	117	I	-68.9	-7.4	48	-68.9	-32	-50.5	-18.5		Yes	-0.9	Notification of drought conditions
4252505	McCulloch	371PNPK	City of Melvin	1861	2400	P								Insuff			Additional data is needed.
5602501	Menard	100ALVM	City of Menard	1880	22	P								Insuff			Additional data is needed.
5609612	Menard	218EDRDA	Eva Lively Westbrook	2272	270	S	-229.4	-3.9	41	-229.8	-214	-221.9	-7.9	-225.8			Notification of drought conditions
5612210	Menard	371HCKR	Earl Ray Anderson	1870	1080	I	-252.1	-20.7	828	-252.1	-190	-221.1	-31.1		Yes	-2.6	Notification of drought conditions
4402202	Midland	121OGLL	B.W. Brown	2623	62	I	-44.2		18	-44.2	-28	-36.1	-8.1	-40.2			Notification of drought conditions
4401103	Midland	121OGLL	Le Roy Gill	2740		P	-40.6	3.3		-66.2	-40.6	-53.4	-12.8	-59.8			Notification of drought conditions
2763501	Midland	121OGLL	City of Midland	2857	174	P								Insuff			Additional data is needed.
4507406	Midland	218ALRS	Midland Air Termin	2868	120	P	-38.7	-0.7	81	-42.6	-36.5	-39.6	-3.1	Insuff			Additional data is needed.
2942501	Mitchell	231DCKM	Elon Harrell	2126	137	I	-54.9	1.2	82	-60.8	-46.6	-53.7	-7.1	-57.3			Notification of drought conditions

Table F-2

Region F Water Level Monitor Wells

Monitoring Well SWN	County	Aquifer	Owner	Elev.	Well Depth	Use	most recent WL	WL/ Decade Trend	recent water column in Well	Historical Lowest_WL	Historical Highest_WL	Decade Avg. WL	Diff. Of Avg - Lowest_WL	Drought Triggers W.L. Avg-50%	Mining	W.L. decrease / year	Drought Response
2935705	Mitchell	231DCKM	City of Loraine	2347	220	P								Insuff			Additional data is needed.
2934716	Mitchell	231DCKM	City of Colorado	2173	249	P								Insuff			Additional data is needed.
4648802	Pecos	112PECSA	Edgar Glass	2556	779	I	-138.9	-14.9	640	-138.9	-64.2	-101.6	-37.4		Yes	-1.9	Notification of drought conditions
4656308	Pecos	100PECS	City of Imperial	2617	924	P								Insuff			Additional data is needed.
5303901	Pecos	218EDDT	TX DOT Rest Area	2876	462	P	-151.2	-2.5	311	-153.6	-138.5	-146.1	-7.6	-149.8			Notification of drought conditions
5216902	Pecos	218ALRS	City of Fort Stock	3259	517	P		-7.6		-282.5	-224.6	-253.6	-29	-268			Coordinate with entity's DC plan
5308402	Pecos	218ALRS	City of McCamey	2383	272	P								Insuff			Additional data is needed.
5418504	Pecos	218EDDT	City of Sheffield	2175	294	P								Insuff			Additional data is needed.
5216608	Pecos	312RSLR	Belding Farms	3195	1600	I	-121	11.6	1479	-201.6	-121	-161.3	-40.3	-181.5			Notification of drought conditions
4437506	Reagan	218ALRS	City of Big Lake	2626	358	P	-213.5	-0.2	145	-213.5	-212.7	-213.1	-0.4	Insuff			Additional data is needed.
4429705	Reagan	218EDDT	Clayton Henderson	2651	300	I	-109.6	-4.0	190	-146.5	-85.9	-116.2	-30.3	-131.4			Notification of drought conditions
4436303	Reagan	218ALRS	Regan County Water	2668	336	P								Insuff			Additional data is needed.
5204105	Reeves	100PECS	Seventh Day Advent	2943	350	I	-211.2	-6.5	139	-242.8	-178.8	-210.8	-32	-226.8			Notification of drought conditions
4642810	Reeves	218EDDT	Barnes-Ramshaud Wyn	2961	1018	I	-49.2	11.0	969	-179.6	-49.2	-114.4	-65.2	-147			Notification of drought conditions
4646206	Reeves	231DCKM	City of Pecos	2616	198	P	-153	-6.3	45	-153	-80	-116.5	-36.5		Yes	-0.8	Coordinate with entity's DC plan
4660902	Reeves	312RSLR	R. W. Winterrowd	2950	1450		-257.1	45.5	1193	-439.2	-257.1	-348.2	-91.1	-393.7			Notification of drought conditions
4324301	Runnels	318ARRY	Lenard Halfmann	1672	50	I	-38.5	-3.5	12	-38.5	-27.9	-33.2	-5.3	-35.9			Notification of drought conditions
4331211	Runnels	318CLFK	City of Miles	1802	150	P								Insuff			Additional data is needed.
4324601	Runnels	318CLFK	Rowena Corp.	1683	73	P								Insuff			Additional data is needed.
5512116	Schleicher	218EDRDA	City of Eldorado	2441	450	P	-312.5	2.3	138	-321.1	-312.5	-316.8	-4.3	Insuff			Additional data is needed.
4361706	Schleicher	218EDRDA	W. A. Davis Estate	2195	160	U	-92	-0.1	68	-92.4	-84	-88.2	-4.2	Insuff			Additional data is needed.
2918902	Scurry	231DCKM	City of Hermleigh	2445	350	P	-202.6	-2.6	147	-202.6	-186.9	-194.8	-7.8	-198.7			Coordinate with entity's DC plan
2917704	Scurry	231DCKM	Western Texas Col.	2289	382	I	-67.9	-2.0	314	-86.4	-60	-73.2	-13.2	-79.8			Notification of drought conditions
2917309	Scurry	231DCKM	CRMWD	2381	215	P		-12.3		-118.5	-94	-106.3	-12.3		Yes	-1.5	Coordinate with entity's DC plan
4415201	Sterling	110AVAN	Lena R. Foster	2452	123	I	-80.1	-0.2	43	-81.4	-78.2	-79.8	-1.6	Insuff			Additional data is needed.
4309102	Sterling	100CPDG	City of Sterling	2263	107	P	-30.5	0.6	77	-33.2	-27.7	-30.5	-2.8	Insuff			Additional data is needed.
4408307	Sterling	218ALRS	Willie Mae Foster	2468	162	I	-47		115	-47	-40.2	-43.6	-3.4	Insuff			Additional data is needed.
5527620	Sutton	218EDRDA	City of Sonora	2245	278	P	-224		54	-224	-224	-224		Insuff			Additional data is needed.
5527606	Sutton	218EDRDA	Sam Allison	2110	180	I	-149.4	-0.1	31	-160.3	-142.6	-151.5	-8.8	-155.9			Notification of drought conditions
4346301	Tom Green	318BLGN	Ripple Brothers	1884	214	I	-104.5	-0.4	110	-126.7	-73.2	-100	-26.8	-113.3			Notification of drought conditions
4339104	Tom Green	318BLGN	R. E. McCullough	1813	103	I	-81.8	-2.0	21	-83.1	-53.4	-68.3	-14.9	-75.7			Notification of drought conditions
4338301	Tom Green	112LNCZ	A. F. Schumm	1820	125	I	-70.8	-0.3	54	-85.1	-53.1	-69.1	-16	-77.1			Notification of drought conditions
4346204	Tom Green	112LEON	A. J. Bean	1862	117	I	-58.1	1.8	59	-74.5	-50.1	-62.3	-12.2	-68.4			Notification of drought conditions
4329701	Tom Green	112LEON	Ray Moore (Morris E)	1914	82	I	-45.4		37	-48.1	-35.2	-41.7	-6.5	-44.9			Notification of drought conditions
4328202	Tom Green	112LEON	Concho Rural Water	2001	100	P	-38	-2.5	62	-38	-33	-35.5	-2.5	Insuff			Additional data is needed.
4327201	Tom Green	112LEON	State Sanatorium	2014	75	P		-1.0		-36.5	-17.3	-26.9	-9.6	-31.7			Notification of drought conditions
4433501	Upton	218ALRS	Ray Barrett	2744	340		-188.2	-8.3	152	-188.2	-154.9	-171.6	-16.7		Yes	-1	Notification of drought conditions
4449217	Upton	218ALRS	Upton County	2642	360	P								Insuff			Additional data is needed.
4632626	Ward	100PECS	CRMWD	2642	295	P	-148.2	-13.1	147	-148.2	-109	-128.6	-19.6		Yes	-1.6	Coordinate with entity's DC plan
4637101	Ward	100PECS	Fred and Calvin Ge	2574	300	I	-13.7	0.5	286	-18	-13.7	-15.9	-2.2	Insuff			Additional data is needed.
4533826	Ward	100CPDG	City of Grandfalls	2521	225	P								Insuff			Additional data is needed.
4624719	Ward	100PECS	City of Monahans	2692	385	P								Insuff			Additional data is needed.
4631702	Ward	231DCKM	Wilson Ranch	2667	160	H	-104.3	-0.7	56	-106.3	-97.7	-102	-4.3	Insuff			Additional data is needed.
4632630	Ward	231DCKM	City of Wickett	2653	400	P								Insuff			Additional data is needed.
4615402	Winkler	110ALVM	Winkler County	2830	190	I	-98.5	0.3	92	-106.7	-98.5	-102.6	-4.1	Insuff			Additional data is needed.
4615921	Winkler	100PECS	City of Wink School	2790	267	P								Insuff			Additional data is needed.
4616104	Winkler	231DCKM	City of Kermit	2857	559	P	-116.8	-2.8	442	-126.8	-102.8	-114.8	-12	-120.8			Coordinate with entity's DC plan
4616213	Winkler	231DCKM	Winkler County	2868	420	P								Insuff			Coordinate with entity's DC plan

WL = Water Level
I = Irrigation
H = Domestic

P = Public Water Supply
U = Unused
S = Used for Stock

Insuff - Insufficient historical water level data and/or variability to develop drought trigger levels

								Decade Average Water Levels					
SWN	**County**	**Aquifer**	**Owner**	**Elevation**	**Well_depth**	**Drilled**	**Use**	**1930s**	**1940s**	**1950s**	**1960s**	**1970s**	**1980s**
2736201	Andrews	121OGLL	City_of_Andrews	3158	200	1954	P					-99.9	-104.1
2745401	Andrews	121OGLL	Charley_Welch	3098	125	1969	I					-49.9	-73.2
2739405	Andrews	121OGLL	City_of_Midland	2960	215	1985	P						-114.5

Most Recent WL	Direction of WLs/Decade Historocal Trend Rec - Earl/decade	Present Est. Sat. Thickness in Well	Aquifer Type	Historical Lowest_WL	Historical Highest_WL	Ave._WL	Est. Sufficient Availability for 50 yrs WL Decade Use	Diff. Between Ave. and Lowest_WL	(DW) Drought Warning Ave.-25%	(D) Drought Ave.-50%
-104.2	-1.4	96	unconfined	-104.2	-99.9	-102.1	Yes	-2.1	-102.6	-103.1
-71.8	-7.3	53	unconfined	-73.2	-49.9	-61.6	Yes	-11.7	-64.5	-67.4
			unconfined				Unknown/Yes			

(SD) Severe Drought Ave.-75%	Mining	1% decrease Sat. Thickness Year	IF 2001 WL <	Present Status
-103.7	Yes	-1	-105.2	DW
-70.3				D
				DW

Table F-3 Permitted Wastewater Treatment Facilities in Region F

County	Permittee Name	Type of Facility	TNRCC Permit Number	Permit Status	Permitted Flow (MGD)	Current or Permitted Methods of Effluent Management
Andrews	Andrews, City Of	Public Domestic	10119-001	ND	1.2	Golf Course / Ag Irrigation
Brown	Bangs, City Of	Public Domestic	10122-001	D	0.192	Discharge
Brown	Brownwood, City Of	Public Domestic	10565-001	D	4.54	Discharge
Brown	Heart Of Texas Baptist Encampment	Private Domestic	13576-001	ND	0.021	Evaporation/ Ag Irrigation
Brown	Kohler Co.	Industrial	02995-001	D	0.432	Discharge
Brown	Kohler Co.	Industrial	03781-001	D	0.02	Discharge
Brown	Lake Brownwood Christian Retreat	Private Domestic	13349-001	ND	0.01	Ag Irrigation
Brown	Texas 4-H Youth Development	Private Domestic	11664-001	ND	0.018	Ag Irrigation
Brown	Texas Parks & Wildlife Dept	Public Domestic	11365-001	`	0.025	Ag Irrigation
Coke	Bronte, City Of	Public Domestic	10390-001	ND	0.15	Ag Irrigation
Coke	Robert Lee, City Of	Public Domestic	13901-001	D	0.121	Ag Irrigation/ Discharge
Coke	West Texas Utilities Company	Industrial	00997-001	D	60	Discharge
Coleman	Coleman, City Of	Public Domestic	10150-001	D	0.8	City Pastureland Irrigation/Discharge
Coleman	Santa Anna, City Of	Public Domestic	10274-001	ND	0.141	Ag Irrigation
Concho	Eden, City Of	Public Domestic	10081-001	D	0.225	Ag Irrigation/ Discharge
Crane	Crane, City Of	Public Domestic	10750-001	ND	0.25	Golf Course Irrigation
Crockett	Circle Bar Truck Corral, Inc.	Private Domestic	11868-001	ND	0.04	Evaporation/ Ag Irrigation
Crockett	Crockett Co Wcid No. 1	Public Domestic	10059-001	D	0.5	Grassland Irrigation/ Discharge
Crockett	West Texas Utilities Company	Industrial	00961-001	D	0.864	Discharge
Ector	Air Liquide America Corp.	Industrial	01891-000	ND	0.01	Evaporation
Ector	Ector County Isd	Public Domestic	13734-001	ND	0.006	Subsurface Disposal
Ector	Equilon Enterprises Llc	Industrial	01437-004	D	0.468	Discharge
Ector	Goldsmith, City Of	Public Domestic	11482-001	ND	0.031	Ag Irrigation
Ector	Gulf Coast Waste Disposal Aut	Industrial	03776-001	D	4.0	Discharge

Table F-3 (continued)

County	Permittee Name	Type of Facility	TNRCC Permit Number	Permit Status	Permitted Flow (MGD)	Current or Permitted Methods of Effluent Management
Howard	Big Spring, City Of	Public Domestic	10069-001	D	3.8	Discharge
Howard	Coahoma, City Of	Public Domestic	10723-001	ND	0.0868	Ag Irrigation/ Cemetery
Howard	Fina Oil And Chemical Company	Industrial	01768-000	D	1.224	Discharge
Irion	Mertzon, City Of	Public Domestic	11347-001	ND	0.1	Park Irrigation
Kimble	Cedar Fiber Company	Industrial	01412-000	ND	0.0181	Evaporation
Kimble	Junction, City Of	Public Domestic	10199-001	D	0.28	Discharge
Kimble	Paks Corporation	Industrial	01391-001	D	2.16	Discharge
Martin	Stanton, City Of	Public Domestic	11043-001	ND	0.25	Golf Course Irrigation
Mason	Mason, City Of	Public Domestic	10670-001	D	0.42	Discharge
McCulloch	Brady City Of	Public Domestic	10132-001	D	1.103	Discharge
Menard	Menard, City Of	Public Domestic	10345-001	D	0.17	Ag Irrigation/ Discharge
Midland	Airline Mobile Home Park, Ltd	Private Domestic	11247-001	ND	0.25	Pastureland Irrigation
Midland	Midland, City Of	Public Domestic	10223-001	ND	21	Ag Irrigation/Golf Course
Midland	Odessa, City Of	Public Domestic	10238-002	D	12.7	Industrial/Ag Irrigation/ Discharge
Mitchell	Colorado City, City Of	Public Domestic	10077-001	D	1.12	Ag Irrigation/ Discharge
Mitchell	Loraine, City Of	Public Domestic	10430-001	D	0.05	Pastureland Irrigation/Discharge
Mitchell	Tu Electric Company	Industrial	00554-002	D	720	Discharge
Pecos	Domaine Cordier Usa Inc	Industrial	03177-000	ND	0.003	Evaporation
Pecos	Fort Stockton, City Of	Public Domestic	10708-001	ND	1.41	Ag Irrigation
Pecos	Fort Stockton, City Of	Public Domestic	13651-001	ND	0.347	Ag Irrigation
Pecos	Iraan, City Of	Public Domestic	10692-001	ND	0.09	Ag Irrigation
Pecos	Sheffield Wsc	Private Domestic	10916-001	ND	0.021	Evaporation
Reagan	Big Lake, City Of	Public Domestic	10038-001	D	0.6	Ag Irrigation/ Discharge
Reeves	Anchor West, Inc.	Industrial	02667-000	ND	0.153	Ag Irrigation
Reeves	Balmorhea, City Of	Public Domestic	12194-001	ND	0.083	Ag Irrigation

Table F-3 (continued)

County	Permittee Name	Type of Facility	TNRCC Permit Number	Permit Status	Permitted Flow (MGD)	Current or Permitted Methods of Effluent Management
Reeves	Pecos, Town Of	Public Domestic	10245-001	ND	1.6	Ag Irrigation
Reeves	Toyah, City Of	Public Domestic	13572-001	ND	0.018	Evaporation
Runnels	Ballinger, City Of	Public Domestic	10325-003	D	0.48	Discharge
Runnels	Miles, City Of	Public Domestic	10138-001	D	0.8	Ag Irrigation/Discharge
Runnels	Winters, City Of	Public Domestic	10320-001	D	0.49	Ag Irrigation/Discharge
Schleicher	Eldorado, City Of	Public Domestic	10165-001	D	0.385	Discharge
Scurry	Snyder, City Of	Public Domestic	10056-001	D	2.31	Golf Course Irrigation/Discharge
Sterling	Sterling City, City Of	Public Domestic	12147-001	ND	0.116	Ag Irrigation
Sutton	Sonora, City Of	Public Domestic	10545-001	D	0.876	Ag Irrigation/Discharge
Tom Green	Estate Of Evans And Lone Star	Industrial	03574-000	ND	1.0183	Ag Irrigation
Tom Green	Grape Creek Isd	Public Domestic	13859-001	ND	0.0096	Ag Irrigation
Tom Green	San Angelo, City Of	Public Domestic	10641-002	ND	0.094	Ag Irrigation
Tom Green	San Angelo, City Of	Public Domestic	10641-003	ND	16.3	Pastureland/Ag Irrigation
Tom Green	Texas Agricultural Experiment Station	Industrial	02755-000	ND	0.006	Evaporation
Tom Green	Texas Dept Of Mh & Mr	Public Domestic	10634-001	ND	0.133	Pastureland Irrigation
Tom Green	Wall Isd	Public Domestic	13421-001	ND	0.01	Ag Irrigation
Tom Green	West Texas Boys Ranch	Private Domestic	13140-001	ND	0.015	Ag Irrigation
Tom Green	West Texas Utilities Company	Industrial	01152-000	D	131.4	Discharge
Upton	Mccamey, City Of	Public Domestic	10218-001	ND	0.35	Ag Irrigation
Upton	Rankin, City Of	Public Domestic	10601-001	ND	0.15	Pastureland/Ag Irrigation
Ward	Grandfalls, City Of	Public Domestic	10764-001	ND	0.07	Ag Irrigation
Ward	Monahans, City Of	Public Domestic	10224-001	ND	1.1	City Landscape Irrigation
Ward	Pyote, City Of	Public Domestic	13986-001	ND	0.022	Ag Irrigation
Ward	Texas Youth Commission	Public Domestic	11121-001	ND	0.08	Ag Irrigation
Ward	Wickett, City Of	Public Domestic	10622-001	ND	0.091	Ag Irrigation

Table F-3 (continued)

County	Permittee Name	Type of Facility	TNRCC Permit Number	Permit Status	Permitted Flow (MGD)	Current or Permitted Methods of Effluent Management
Winkler	Kermit, City Of	Public Domestic	10200-001	ND	1	Evaporation/Percolation
Winkler	Wink, City Of	Public Domestic	10318-001	ND	0.3822	Evaporation

Sources: TNRCC wastewater permit database, TWDB list of reusers (1997)

Name of Source			
Reservoirs	Drought type	Trigger Condition	Action
J.B. Thomas	moderate	Lake is below 2213.55' msl (content < 14045 ac-ft)	
	severe	Lake is below 2210.80' msl (content < 9920 ac-ft)	
E.V. Spence	moderate	Lake is below 1848.57' msl	
	severe	Lake is below 1831.70 msl	
Ivie	moderate	Lake is below 1514.95 msl	
	severe	Lake is below 1508.90 msl	
Colorado City	moderate		
	severe		
Champion Creek	moderate		
	severe		
Mountain Creek	moderate		
	severe		
Oak Creek	moderate		
	severe		
Ballinger/Moonen	moderate		
	severe		
Winters	moderate		
	severe		
Fisher	moderate	see San Angelo system	
	severe	see San Angelo system	
Twin Buttes	moderate	see San Angelo system	
	severe	see San Angelo system	
Nasworthy	moderate	see San Angelo system	
	severe	see San Angelo system	
San Angelo System	mild	System content is or below 55,000 ac-ft	Outside water restrictions.
	moderate	System content is or below 42,000 ac-ft	
	severe	System content is or below 33,000 ac-ft	
Coleman	moderate		
	severe		
Hords Creek	moderate		
	severe		
Brownwood	moderate		
	severe		
Brady Creek	moderate		
	severe		

Red Bluff	moderate severe

Rivers / Local Supply

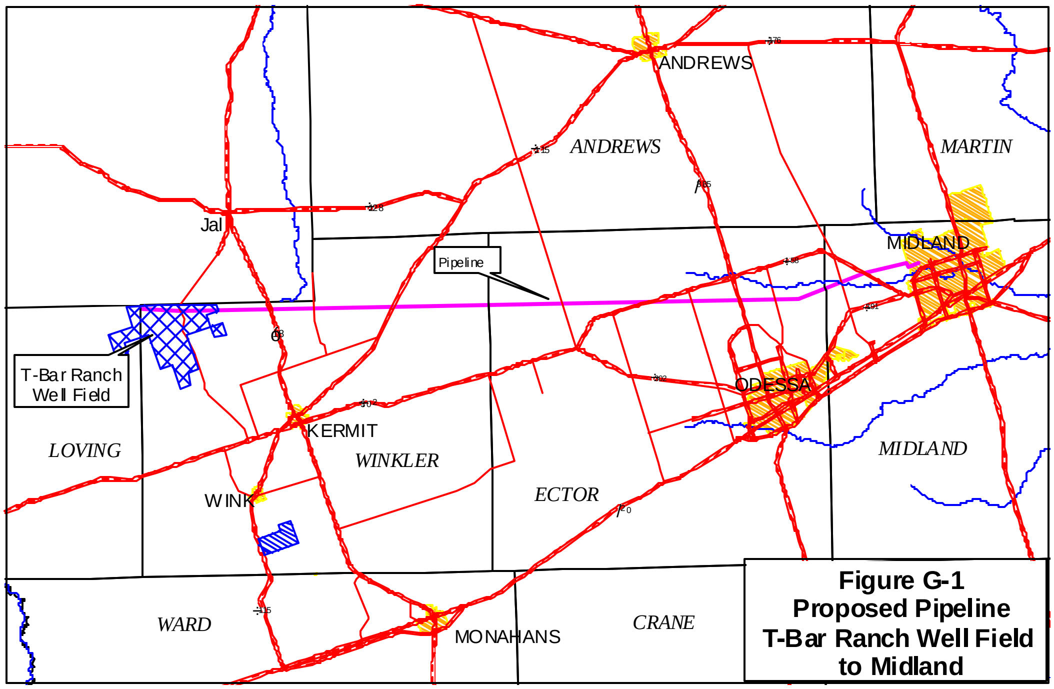
Reservoir Name	Conservation Storage (Acre-Feet))	Allocated Amount	D-C Plan trigger content	2000 firm yield median	25% frequency	Percent of storage D-C	median	25%
Lake J B Thomas	202,300		24210		84238	0.119674	0	0.416401
Lake Colorado City	31,485			20157	16310		0.64021	0.518024
Champion Creek Reservoir	41,620			18691	9918		0.449087	0.238299
Colorado City/Champion Crk System	73,105	5,062						
Oak Creek Reservoir	37,623			17142	13030		0.455626	0.346331
Lake Coleman	39,267		18000	24761	16150	0.4584	0.63058	0.411287
E V Spence Reservoir	488,760		108400			0.221786		
CRMWD System	1,245,360	86,224	247,211					
Lake Winters/ New Lake Winters	8,374			6038	4400	0	0.721041	0.525436
Lake Brownwood	135,163		94614.1			0.7		
Hords Creek Lake	8,640			4430	2268		0.512731	0.2625
Lake Ballinger / Lake Moonen	3,070			1985	1908			
O H Ivie Reservoir	554,300		114601			0.206749		
O C Fisher Lake	*115,700*							
Twin Buttes Reservoir	*186,200*							
Lake Nasworthy	*10,110*							
San Angelo System	312,010		55000			0.176276		
Brady Creek Reservoir	30,000			17200	9860		0.573333	0.328667
Mountain Creek	949			619	465		0.652266	0.489989
Red Bluff Reservoir	289,700		52146					
				Average		0.181121	0.579359	0.390067

Table F-1
DROUGHT TRIGGER CONDITIONS BY SOURCE

Reservoirs	Trigger	Action
J.B. Thomas	Content is below 24,120 ac-ft	Notify City of Snyder of drought conditions. End pumping operations at the Big Spring/Odessa intake. Coordinate with CRMWD and Snyder Drought Contingency Plans.
E.V. Spence	Content is below 108,400 ac-ft	Notify Cities of Robert Lee and San Angelo. Limit releases for water quality purposes. Coordinate with Drought Contingency Plans for CRMWD, Robert Lee and San Angelo.
Ivie	Content is below 114,601 ac-ft	Notify customers of drought conditions. Limit large releases for water quality purposes. Coordinate with Drought Contingency Plans for CRMWD and San Angelo.
Colorado City	Content is below 16,301 ac-ft	Notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with customers' Drought Contingency Plans.
Champion Creek	Content is below 9,918 ac-ft	Notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with customers' Drought Contingency Plans.
Mountain Creek	Content is below 465 ac-ft	Notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with customers' Drought Contingency Plans.
Oak Creek	Content is below 13,030 ac-ft	Notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with customers' Drought Contingency Plans.
Ballinger/Moonen	Content is below 1908 ac-ft	Notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with customers' Drought Contingency Plans.
Winters	Content is below 4,400 ac-ft	Notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with customers' Drought Contingency Plans.
Fisher	Content is below 9,000 ac-ft	See San Angelo System
Twin Buttes	Content is below 12,000 ac-ft	See San Angelo System
Nasworthy	Content is below 9,000 ac-ft	See San Angelo System
San Angelo System	Content is below 30,000 ac-ft	Notify customers of drought conditions. Initiate Drought Contingency Plan for San Angelo.
Coleman	Content is below 18,000 ac-ft (Lake level < 1705.5 msl)	Notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with City of Coleman's Drought Contingency Plan.
Hords Creek	Content is below 2,268 ac-ft	Notify public of drought conditions. Request voluntary reduction in water use.
Brownwood	Content is below 94,600 ac-ft	Notify customers via local media. Coordinate with Drought Contingency Plans for BCWID and Cities of Early, Brownwood.

Table F-1
DROUGHT TRIGGER CONDITIONS BY SOURCE

Brady Creek	Content is below 9,860 ac-ft	When Brady Reservoir begins to be used for water supply, notify customers of drought conditions. Request voluntary reduction in water use. Coordinate with City of Brady's Drought Contingency Plan.
Red Bluff	Content is below 52,146 ac-ft at the end of January	Notify customers of drought conditions.
Rivers		
Colorado River	Using USGS gage at Winchell, Tx, flows are less than 25 cfs for more than 30 consectutive days between September and June.	Notify public and irrigators of drought conditions. Request voluntary reduction in water use.
Concho River	Using USGS gage at Paint Rock, Tx, flows are less than 10 cfs for more than 30 consectutive days between October and February or less than 5 cfs between March and June.	Notify public and irrigators of drought conditions. Request voluntary reduction in water use. Coordinate with the City of Paint Rock's Drought Contingency Plan (if available)
Llano River	Using USGS gage at Junction, Tx, flows are less than 100 cfs for more than 30 consectutive days.	Notify public and irrigators of drought conditions. Request voluntary reduction in water use. Coordinate with the City of Junction's Drought Contingency Plan.
San Saba River	Using USGS gage at Menard, Tx, flows are less than 10 cfs for more than 30 consectutive days between November and May or less than 3 cfs between June and October.	Notify public and irrigators of drought conditions. Request voluntary reduction in water use. Coordinate with the City of Menard's Drought Contingency plan.



ANDREWS
ANDREWS
MARTIN
Jal
MIDLAND
Pipeline
T-Bar Ranch
Well Field
KERMIT
ODESSA
LOVING
WINKLER
MIDLAND
WINK
ECTOR
WARD
MONAHANS
CRANE
Figure G-1
Proposed Pipeline
T-Bar Ranch Well Field
to Midland

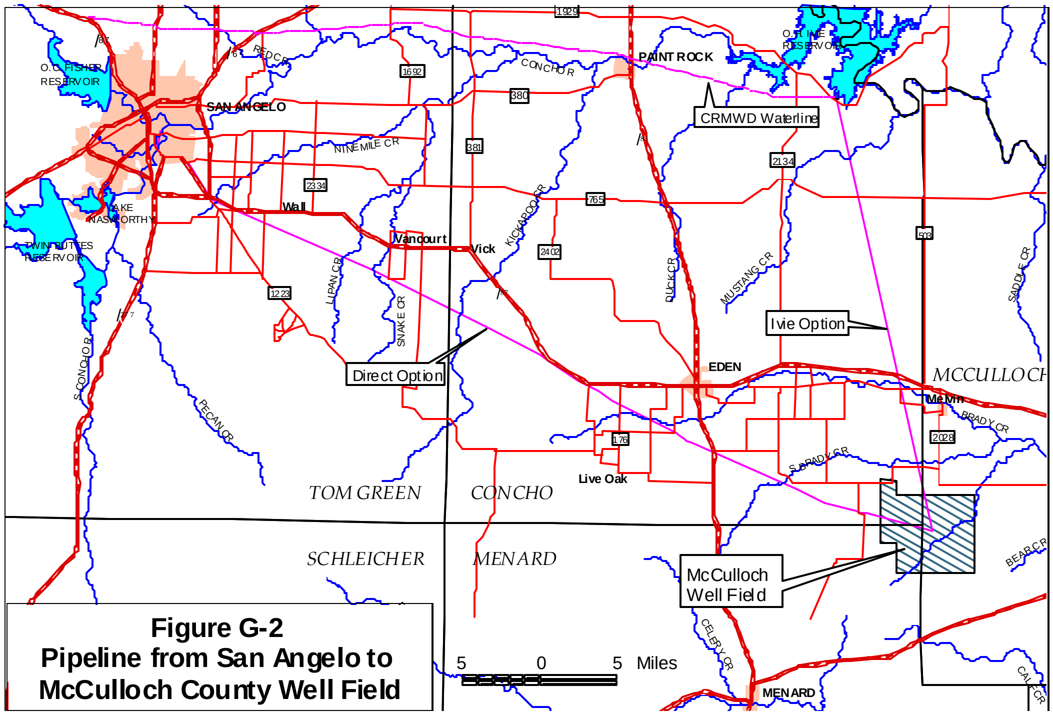


Figure G-2
Pipeline from San Angelo to McCulloch County Well Field

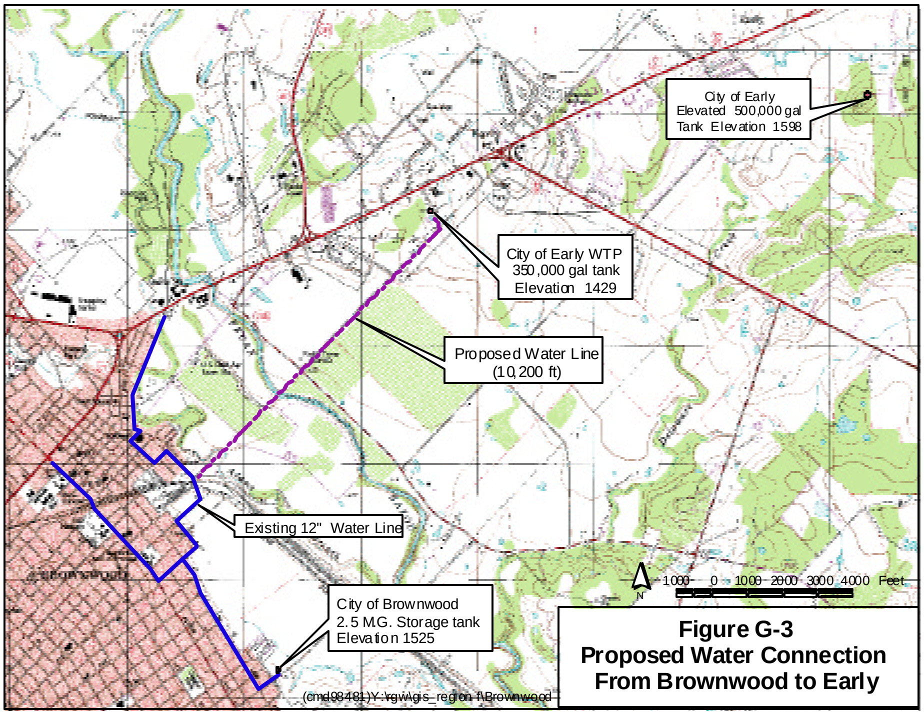
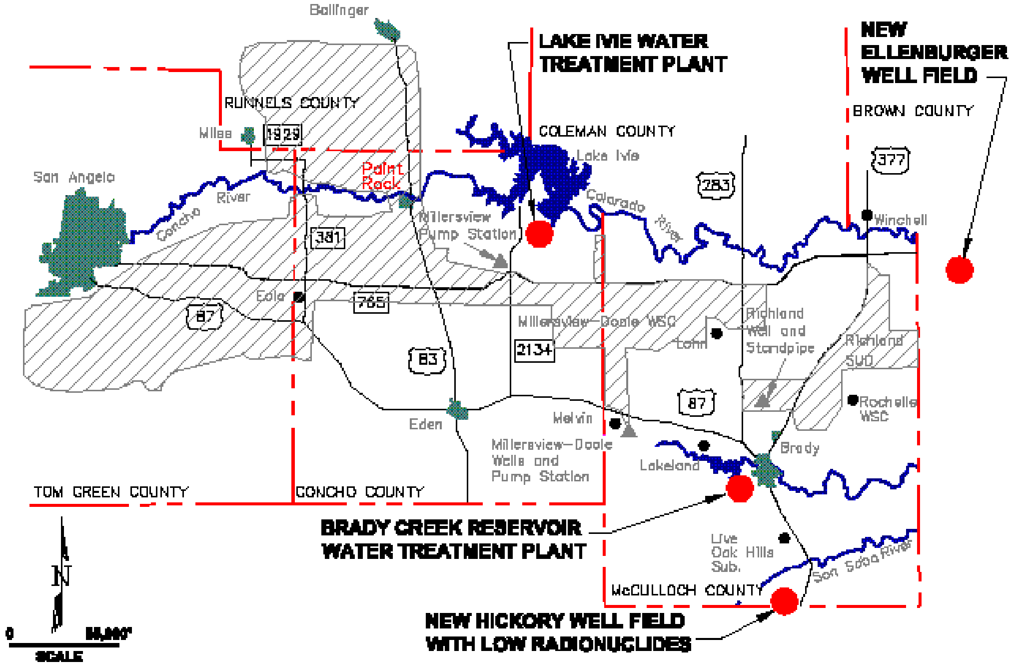


Figure G-3
Proposed Water Connection From Brownwood to Early

Figure G-4: Preferred Water Management Strategies for McCulloch and Concho Counties, and Portions of Runnels and Tom Green Counties



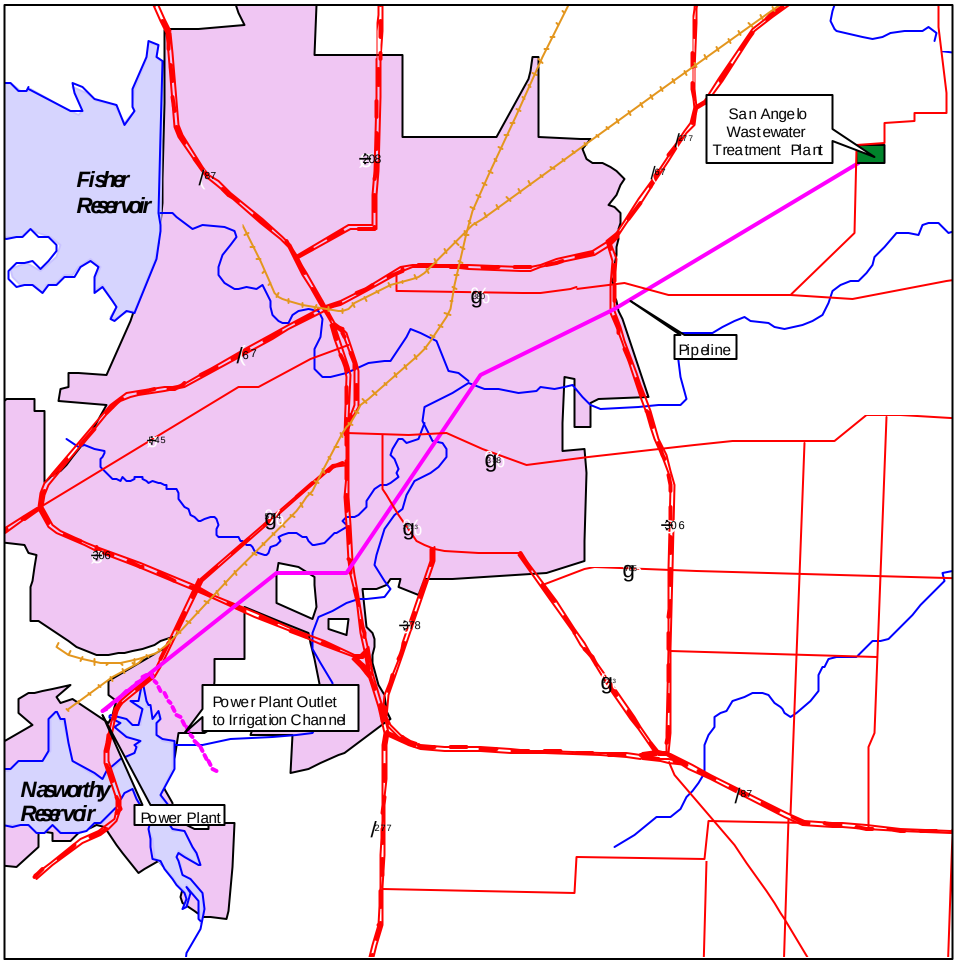


Figure G-5
Proposed Pipeline from San Angelo WWTP
to Nasworthy Power Plant

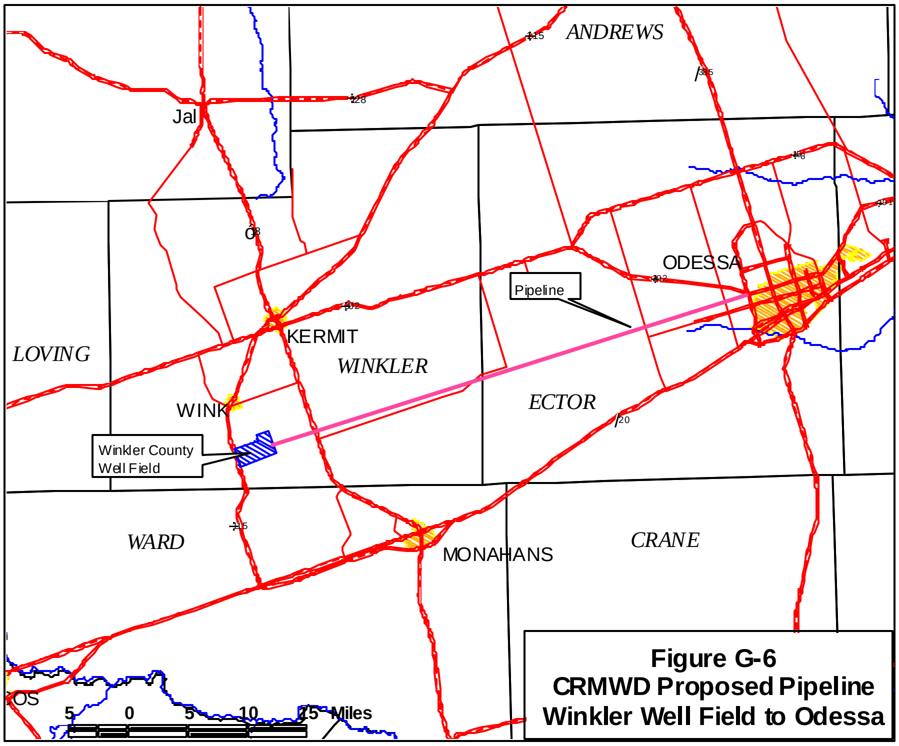


Figure G-6
CRMWD Proposed Pipeline
Winkler Well Field to Odessa