

***Appendix 2-1***

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***Denver Basin Aquifers Water Availability***

**TABLE A2-1.1  
EL PASO COUNTY WATER AVAILABILITY  
DAWSON AQUIFER**

LOCATION		LAND AREA(ac)	SATURATED THICKNESS(ft)	PRE-SB 213 (acre-ft/yr)	SENATE BILL 5 VOLUME (ac-ft/yr)		Total (acre-ft/yr)
Township	Range				Not-Nontributary	Nontributary	
T11S	R67W	18,121	400	1180	13,309	0	14,488
	R66W	23,040	525	652	23,525	0	24,177
	R65W	23,040	500	0	13,432	9,594	23,026
	R64W	23,040	300	0	384	13,432	13,816
	R63W	23,253	50	0	0	2,324	2,324
	R62W	9,377	25	0	0	469	469
T12S	R67W	17,234	75	0	161	0	161
	R66W	23,040	225	0	7,751	0	7,751
	R65W	21,479	325	657	8,811	5,499	14,967
	R64W	10,201	250	449	0	10,284	10,733
	R63W	2,471	75	0	0	1,529	1,529
	R62W	1,014	25	0	0	123	123
T13S	R66W	2,471	50	0	101	0	101
	R65W	1,077	100	0	143	72	215
	R64W	2,471	50	0	0	247	247
<b>Totals (acre-ft/yr)=</b>				<b>2,938</b>	<b>67,617</b>	<b>43,573</b>	<b>114,128</b>

**NOTE: Appropriate volumes based on a specific yield of 0.20.**

**TABLE A2-1.2  
EL PASO COUNTY WATER AVAILABILITY  
DENVER AQUIFER**

Township	Range	LAND AREA(ac)	SATURATED THICKNESS(ft)	PRE-SB 213 (acre-ft/yr)	SENATE BILL 5 VOLUME(ac-ft/yr)		Total (acre-ft/yr)
					Not-Nontributary	Nontributary	
T11S	R67W	19,388	250	763	5,825	1,647	8,235
	R66W	23,040	550	705	11,854	8,970	21,529
	R65W	23,040	400	0	0	15,658	15,658
	R64W	23,040	300	0	0	11,743	11,743
	R63W	23,040	275	0	0	10,765	10,765
	R62W	23,040	200	0	0	7,829	7,829
	R61W	21,353	100	0	0	3,628	3,628
	R60W	10,391	50	0	0	883	883
T12S	R67W	12,355	200	1001	3,197	0	4,198
	R66W	20,275	350	547	11,510	0	12,057
	R65W	23,040	350	327	6,767	6,226	13,320
	R64W	23,040	250	6	0	9,780	9,786
	R63W	23,040	200	0	0	7,829	7,829
	R62W	23,040	200	0	2,175	5,654	7,829
	R61W	23,040	100	0	3,588	326	3,914
	R60W	5,196	75	0	473	189	662
T13S	R66W	7,730	100	0	1,313	0	1,313
	R65W	22,873	250	162	8,906	647	9,715
	R64W	23,040	200	0	0	7,829	7,829
	R63W	23,040	150	0	0	5,872	5,872
	R62W	19,705	100	0	0	3,348	3,348
	R61W	22,366	50	0	1,003	897	1,900
T14S	R65W	2,154	75	0	275	0	275
	R64W	10,074	75	0	428	856	1,284
	R63W	5,702	75	0	0	727	727
	R62W	3,168	25	0	0	135	135
	R61W	6,590	50	0	0	560	560
<b>Totals (acre-ft/yr)=</b>				<b>3,511</b>	<b>57,313</b>	<b>111,995</b>	<b>172,819</b>

**NOTE: Appropriate volumes based on a specific yield of 0.17.**

**Table A2-1.3  
EL PASO COUNTY WATER AVAILABILITY  
ARAPAHOE AQUIFER**

Township	Range	LAND AREA(ac)	SATURATED THICKNESS(ft)	PRE-SB 213 (acre-ft/yr)	SENATE BILL 5 VOLUME(ac-ft/yr)		Total (acre-ft/yr)
					Not-Nontributary	Nontributary	
T11S	R67W	20,149	300	496	1,654	8,120	10,270
	R66W	23,040	250	566	1,880	7,340	9,786
	R65W	23,040	250	0	0	9,786	9,786
	R64W	23,040	225	0	0	8,807	8,807
	R63W	23,040	200	0	0	7,829	7,829
	R62W	23,040	250	0	0	9,786	9,786
	R61W	23,040	200	26	218	7,585	7,829
	R60W	23,040	125	0	1,495	3,398	4,893
T12S	R67W	15,523	225	1,142	4,792	0	5,934
	R66W	23,040	250	1,358	8,428	0	9,786
	R65W	23,040	225	83	1,218	7,506	8,807
	R64W	23,040	200	0	0	7,829	7,829
	R63W	23,040	200	0	0	7,829	7,829
	R62W	23,040	200	0	0	7,829	7,829
	R61W	23,040	200	0	4,349	3,480	7,829
	R60W	20,972	75	0	2,672	0	2,672
T13S	R67W	3,105	75	0	396	0	396
	R66W	19,325	200	1,196	5,371	0	6,567
	R65W	24,394	200	79	7,123	1,087	8,289
	R64W	23,040	225	0	0	8,807	8,807
	R63W	23,040	200	0	0	7,829	7,829
	R62W	23,040	125	0	0	4,893	4,893
	R61W	23,040	150	0	2,936	2,936	5,872
	R60W	17,171	75	0	2,188	0	2,188
T14S	R66W	1,457	100	0	248	0	248
	R65W	7,983	75	25	992	0	1,017
	R64W	20,339	125	47	2,833	1,439	4,319
	R63W	23,040	100	26	109	3,779	3,914
	R62W	22,493	50	0	637	1,274	1,911
	R61W	22,683	75	0	1,615	1,275	2,890
	R60W	8,617	50	0	488	244	732
T15S	R64W	1,521	25	0	65	0	65
	R63W	5,069	25	0	81	134	215
	R62W	5,006	25	0	160	53	213
	R61W	3,802	25	0	161	0	161
<b>Totals (acre-ft/yr)=</b>				<b>5,043</b>	<b>52,108</b>	<b>130,874</b>	<b>188,025</b>

**NOTE: Appropriate volumes based on a specific yield of 0.17.**

**Table A2-1.4  
EL PASO COUNTY WATER AVAILABILITY  
LARAMIE-FOX HILLS AQUIFER**

Township	Range	LAND AREA(ac)	SATURATED THICKNESS(ft)	PRE SB-213 (acre-ft/yr)	SENATE BILL 5 VOLUME(ac-ft/yr)		Total (acre-ft/yr)
					Not-Nontributary	Nontributary	
T11S	R67W	19,198	200	0	0	5,756	5,756
	R66W	23,040	200	0	0	6,908	6,908
	R65W	23,040	200	0	0	6,908	6,908
	R64W	23,040	200	0	0	6,908	6,908
	R63W	23,040	225	0	0	7,771	7,771
	R62W	23,040	225	0	0	7,771	7,771
	R61W	23,040	200	0	0	6,908	6,908
	R60W	23,040	200	0	0	6,908	6,908
T12S	R67W	14,573	200	0	2,621	1,748	4,369
	R66W	23,040	200	330	630	5,948	6,908
	R65W	23,040	200	123	0	6,785	6,908
	R64W	23,040	200	0	0	6,908	6,908
	R63W	23,040	225	0	0	7,771	7,771
	R62W	23,040	275	175	0	9,323	9,498
	R61W	23,040	225	0	0	7,771	7,771
	R60W	23,040	200	0	0	6,908	6,908
T13S	R67W	4,435	150	0	997	0	997
	R66W	23,190	175	1753	2,810	1,521	6,084
	R65W	23,040	175	160	1,193	4,691	6,044
	R64W	23,040	200	123	0	6,785	6,908
	R63W	23,040	200	0	0	6,908	6,908
	R62W	23,040	200	14	0	6,894	6,908
	R61W	23,040	200	0	0	6,908	6,908
	R60W	23,040	175	0	4,030	2,014	6,044
T14S	R66W	5,006	75	0	563	0	563
	R65W	14,700	175	221	3,635	0	3,856
	R64W	23,040	175	0	3,694	2,350	6,044
	R63W	23,040	200	20	0	6,888	6,908
	R62W	23,040	200	0	192	6,716	6,908
	R61W	23,040	200	0	1,343	5,565	6,908
	R60W	23,040	175	0	3,358	2,686	6,044
T15S	R64W	13,306	50	0	997	0	997
	R63W	21,036	50	0	701	876	1,577
	R62W	23,040	100	0	1,919	1,535	3,454
	R61W	23,040	75	0	1,295	1,295	2,590
	R60W	8,174	50	0	501	112	613
<b>Totals (acre-ft/yr)=</b>				<b>2,918</b>	<b>30,479</b>	<b>172,744</b>	<b>206,141</b>

**NOTE: Appropriate volumes based on a specific yield of 0.15.**