

SUMMARY OF SOUTH CENTRAL (L) REGION

Reaching from the Gulf Coast to the Hill Country, the South Central Texas Regional Water Planning Area includes all or parts of 21 counties, portions of nine river and coastal basins, the Guadalupe Estuary, and San Antonio Bay (Figure L.1). Groundwater currently provides almost 70 percent of the existing water supplies in the region primarily from the Edwards and Carrizo-Wilcox aquifers. Surface water supplies are associated primarily with Canyon Reservoir and run-of-river water rights on the Guadalupe River.

PLAN HIGHLIGHTS

- Additional supply needed in 2060 - 436,751 acre-feet/year
- Recommended water strategy volume in 2060 - 765,738 acre-feet/year
- Total capital cost \$7.6 billion
- Conservation accounts for 11% of 2060 strategy volumes
- Five new, major off-channel reservoirs (GBRA Mid-Basin, Exelon, New Appropriation Project; LCRA/SAWS Project Off-Channel, Lavaca Off-Channel – see Figure 2.9)
- Significant Carrizo-Wilcox Aquifer development
- Five unique stream segments recommended for designation (see Appendix A, Figure II)
- Limited unmet irrigation needs

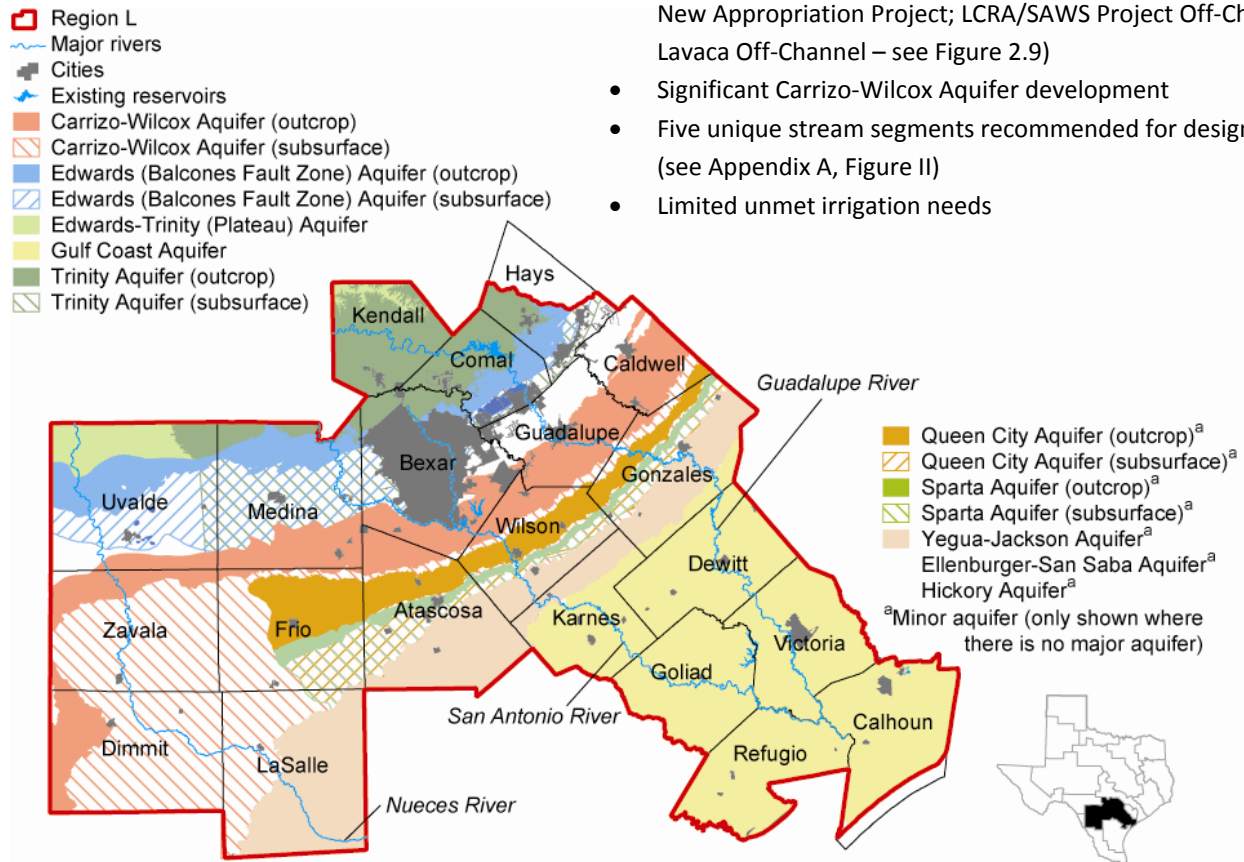


Figure L.1 - South Central Texas Region

Almost 10 percent of the state’s 2010 total population is projected to reside in Region L, and between 2010 and 2060 its population is projected to increase by 75 percent to 4,297,786.

Table L.1 - Population, Water Supply, Demand, and Needs 2010-2060

Year		2010	2020	2030	2040	2050	2060
Population Projections		2,460,599	2,892,933	3,292,970	3,644,661	3,984,258	4,297,786
Existing Supplies	Surface Water	301,491	301,475	299,956	295,938	295,922	295,913
	Groundwater	717,263	716,541	712,319	711,521	710,539	709,975
	Reuse	16,049	16,049	16,049	16,049	16,049	16,049
	Total Water Supply	1,034,803	1,034,065	1,028,324	1,023,508	1,022,510	1,021,937
Demands	Municipal	369,694	422,007	471,529	512,671	555,281	597,619
	County-other	26,302	29,104	31,846	34,465	37,062	39,616
	Manufacturing	119,310	132,836	144,801	156,692	167,182	179,715
	Mining	14,524	15,704	16,454	17,212	17,977	18,644
	Irrigation	379,026	361,187	344,777	329,395	315,143	301,679
	Steam Electric	46,560	104,781	110,537	116,068	121,601	128,340
	Livestock	25,954	25,954	25,954	25,954	25,954	25,954
	Total Water Demands	981,370	1,091,573	1,145,898	1,192,457	1,240,200	1,291,567
Needs	Municipal	94,650	134,541	173,989	212,815	249,735	288,618
	County-other	2,003	3,073	4,228	5,430	7,042	8,768
	Manufacturing	6,539	13,888	20,946	27,911	34,068	43,072
	Mining	521	726	1,771	1,992	2,293	2,493
	Irrigation	68,465	62,376	56,519	50,894	45,502	41,782
	Steam Electric	2,054	50,962	50,991	51,021	51,657	52,018
	Livestock	3	1	-	-	-	-
	Total Water Needs	174,235	265,567	308,444	350,063	390,297	436,751

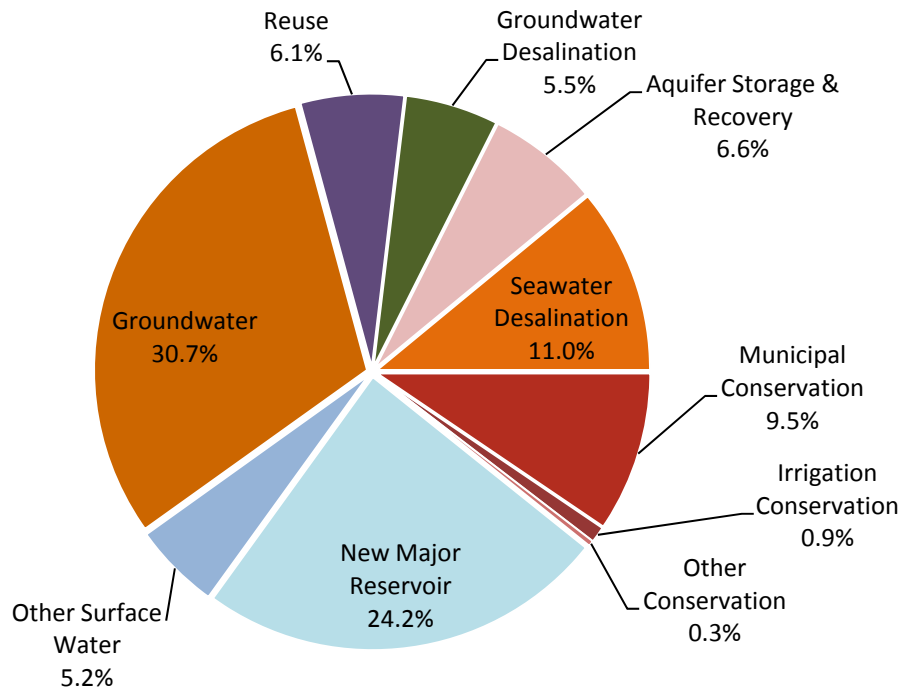


Figure L.2 - 2060 Recommended Water Management Strategies – Relative Share of Supply

Water for Texas:

Summary of the 2011 Regional Water Plans

Table L.2 - Recommended Water Management Strategies

Region	Recommended Water Management Strategy	Total Capital Costs	Water Supply Volume (acre feet/year)					
			2010	2020	2030	2040	2050	2060
L	ASR PROJECT AND PHASED EXPANSION	\$0	3,800	16,000	16,000	16,000	16,000	16,000
L	BRACKISH GROUNDWATER DESALINATION (WILCOX AQUIFER)	\$378,330,000		12,000	28,600	35,120	40,720	42,220
L	CONSTRUCTION OF LAVACA RIVER OFF-CHANNEL RESERVOIR DIVERSION PROJECT (REGION L COMPONENT)	\$85,429,083		10,000	10,000	10,000	10,000	10,000
L	CRWA SIESTA PROJECT	\$53,481,000			1,000	5,042	5,042	5,042
L	CRWA WELLS RANCH PROJECT PHASE I	\$0	5,200	5,200	5,200	5,200	5,200	5,200
L	CRWA WELLS RANCH PROJECT PHASE II (INCL. GONZALES CO.)	\$34,910,000	5,800	5,800	5,800	5,800	5,800	5,800
L	DROUGHT MANAGEMENT	\$0	41,240					
L	EDWARDS AQUIFER RECHARGE - TYPE 2 PROJECTS	\$527,643,000		13,451	13,451	13,451	13,451	21,577
L	EDWARDS TRANSFERS	\$0	45,896	47,479	48,931	49,870	50,855	51,875
L	FACILITIES EXPANSION	\$142,282,000						
L	FIRM-UP RUN-OF-RIVER WITH OFF-CHANNEL RESERVOIR - LCRA/SAWS PROJECT (REGION L COMPONENT)	\$1,986,684,000			90,000	90,000	90,000	90,000
L	GBRA EXELON PROJECT	\$280,598,000		49,126	49,126	49,126	49,126	49,126
L	GBRA LOWER BASIN STORAGE	\$33,800,000			28,369	28,369	28,369	28,369
L	GBRA MID BASIN (SURFACE WATER)	\$546,941,000		25,000	25,000	25,000	25,000	25,000
L	GBRA NEW APPROPRIATION (LOWER BASIN)	\$246,849,000			11,300	11,300	11,300	11,300
L	GBRA SIMSBORO PROJECT (OVERDRAFT)	\$330,782,000		30,000	30,000	30,000	49,777	49,777
L	HAYS/CALDWELL PUA PROJECT (INCL. GONZALES CO.)	\$307,717,752		7,289	14,597	19,418	25,868	33,314
L	INDUSTRIAL, STEAM-ELECTRIC POWER GENERATION, AND MINING WATER CONSERVATION	\$0	521	726	1,771	1,992	2,293	2,493
L	IRRIGATION WATER CONSERVATION	\$0	20,087	17,561	14,429	11,421	8,543	7,238
L	LIVESTOCK WATER CONSERVATION	\$0	3	1				
L	LOCAL GROUNDWATER (GULF COAST AQUIFER)	\$2,194,000				161	161	161
L	LOCAL GROUNDWATER (TRINITY AQUIFER)	\$30,224,000	2,016	3,145	3,468	3,629	3,952	4,436
L	LOCAL GROUNDWATER CARRIZO-WILCOX AQUIFER (INCLUDES	\$166,718,000	6,773	11,610	15,441	17,256	23,946	33,874

Water for Texas:

Summary of the 2011 Regional Water Plans

Region	Recommended Water Management Strategy	Total Capital Costs	Water Supply Volume (acre feet/year)						
			2010	2020	2030	2040	2050	2060	
	OVERDRAFTS)								
L	MEDINA LAKE FIRM-UP (ASR)	\$146,237,000	9,933	9,933	9,933	9,933	9,933	9,933	9,933
L	MUNICIPAL WATER CONSERVATION	\$0	13,232	22,744	31,618	40,531	53,925	72,566	
L	PURCHASE FROM NBU/REDISTRIBUTION OF SUPPLIES	\$0	1,443	552	552	552	552	552	552
L	PURCHASE FROM WWP (GUADALUPE-BLANCO RIVER AUTHORITY)	\$0	8,940	4,805	-	-	-	-	-
L	PURCHASE FROM WWP (LNRA)/REDISTRIBUTION OF SUPPLIES	\$0	46	145	322	499	489	489	489
L	PURCHASE FROM WWP(SSLGC)/REDISTRIBUTION OF SUPPLIES	\$0	581	719	876	1,034	1,197	1,376	
L	RECYCLED WATER PROGRAMS	\$465,339,000	21,666	26,046	30,151	34,178	37,706	41,737	
L	REGIONAL CARRIZO FOR SAWS (INCL. GONZALES CO.)	\$136,550,000	-	11,687	11,687	11,687	11,687	11,687	11,687
L	REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION (INCL. GONZALES CO.)	\$28,189,000	-	10,364	10,364	10,364	10,364	10,364	10,364
L	SEAWATER DESALINATION	\$1,293,827,000	-	-	-	-	-	-	84,012
L	STORAGE ABOVE CANYON RESERVOIR (ASR)	\$37,326,000	-	3,140	3,140	3,140	3,140	3,140	3,140
L	TWA REGIONAL CARRIZO (INCL. GONZALES CO.)	\$313,060,000	-	27,000	27,000	27,000	27,000	27,000	27,000
L	WESTERN CANYON WTP EXPANSION	\$11,727,436	-	-	-	-	-	5,600	5,600
L	WIMBERLEY AND WOODCREEK WATER SUPPLY PROJECT	\$33,771,000	1,120	4,480	4,480	4,480	4,480	4,480	4,480
L	BRACKISH GROUNDWATER DESALINATION (WILCOX AQUIFER)*	\$0	-	-	3,596	3,596	9,196	9,196	
L	CRWA SIESTA PROJECT*	\$0	-	-	1,000	5,042	3,711	4,211	
L	CRWA WELLS RANCH PROJECT PHASE I*	\$0	5,200	5,200	5,200	5,200	5,200	5,200	5,200
L	CRWA WELLS RANCH PROJECT PHASE II (INCL. GONZALES CO.)*	\$0	1,296	4,626	5,800	5,800	5,800	5,800	5,800
L	EDWARDS TRANSFERS*	\$0	5,259	6,220	8,297	12,483	20,823	21,138	
L	FACILITIES EXPANSION*	\$2,277,000	-	-	-	-	-	-	-
L	GBRA LOWER BASIN STORAGE*	\$0	-	-	7,786	10,755	13,416	16,391	
L	GBRA MID BASIN (SURFACE WATER)*	\$0	-	12,855	13,554	13,988	14,424	14,794	
L	GBRA NEW APPROPRIATION (LOWER BASIN)*	\$0	-	-	-	81	193	310	
L	GBRA SIMSBORO PROJECT (OVERDRAFT)*	\$0	-	9,268	14,174	20,954	28,024	35,786	
L	HAYS/CALDWELL PUA PROJECT (INCL. GONZALES CO.)*	\$0	-	1,370	7,521	5,344	5,986	7,502	
L	LOCAL GROUNDWATER (TRINITY AQUIFER)*	\$0	296	283	403	705	963	1,216	

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			2010	2020	2030	2040	2050	2060
L	LOCAL GROUNDWATER CARRIZO-WILCOX AQUIFER (INCLUDES OVERDRAFTS)*	\$0	120	120	120	120	120	120
L	MEDINA LAKE FIRM-UP (ASR)*	\$0	500	500	500	500	500	500
L	RECYCLED WATER PROGRAMS*	\$0	4,240	7,367	15,127	15,127	15,127	15,127
L	REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION (INCL. GONZALES CO.)*	\$0		616	2,302	4,082	5,764	7,573
L	STORAGE ABOVE CANYON RESERVOIR (ASR)*	\$0		3,140	3,140	3,140	3,140	3,140
L	TWA REGIONAL CARRIZO (INCL. GONZALES CO.)*	\$0		6,828	13,717	17,591	21,556	25,575
L	WESTERN CANYON WTP EXPANSION*	\$0					-	650
L	WIMBERLEY AND WOODCREEK WATER SUPPLY PROJECT*	\$0	1,120	4,480	4,480	4,480	4,480	4,480
Total		\$7,622,886,271	188,297	376,003	542,606	571,553	631,476	765,738

* DENOTES STRATEGIES WITH SUPPLY VOLUMES INCLUDED IN OTHER STRATEGIES