

**APPENDIX 1-C**  
**ADDITIONAL TABLES AND FIGURES FOR CHAPTER 1**

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**Table 1C-1: Comparative Statistics, Major River Basins of Texas**

River Basin	Basin Area (Sq Mi)	Basin Area (TX Rank)	Annual Average Flow (Acre-Feet)	Annual Average Flow (TX Rank)	Average Annual Flow per Basin Area (Acre-Feet)	Average Annual Flow per Basin Area (TX Rank)
<b>Sabine</b>	<b>9,756</b>	<b>9</b>	<b>5,864,000</b>	<b>2</b>	<b>601</b>	<b>1</b>
Neches	9,937	8	4,323,000	4	435	2
San Jacinto	3,936	12	1,365,000	8	347	3
Trinity	17,913	6	5,727,000	3	320	4
Sulphur	3,767	13	932,700	9	248	5
Guadalupe	5,953	10	1,422,000	7	239	6
Cypress	3,552	14	493,700	13	139	7
San	4,180	11	562,700	11	135	8
Brazos	45,573	4	6,074,000	1	133	9
Lavaca	2,309	15	277,000	14	120	10
Colorado	42,318	5	1,904,000	6	45	11
Red	93,450	2	3,464,000	5	37	12
Nueces	16,700	7	539,700	12	32	13
Canadian	47,705	3	196,000	15	4	14
Rio Grande	182,215	1	645,500	10	4	15

Source: Texas Water Development Board

[https://www.twdb.texas.gov/surfacewater/rivers/river\\_basins/index.asp](https://www.twdb.texas.gov/surfacewater/rivers/river_basins/index.asp)

**Table 1C-2: GDP, Payroll and Establishments by County**

County	Percent in Basin	GDP (2020)	Total Annual Payroll (2019)	Establishments
Collin	0.70%	\$65,098,585,000	\$30,207,347,000	25,558
Smith	16.30%	\$10,703,018,000	\$4,044,285,000	5,940
Gregg	96.80%	\$6,672,943,000	\$3,148,716,000	4,022
Harrison	65.10%	\$4,293,290,000	\$912,902,000	1,309
Hunt	81.60%	\$3,791,069,000	\$1,368,890,000	1,562
Kaufman	2.90%	\$3,578,188,000	\$1,105,421,000	2,108
Rockwall	11.30%	\$3,571,496,000	\$1,153,596,000	2,479
Orange	66.30%	\$3,207,959,000	\$1,002,739,000	1,307
Panola	99.70%	\$3,088,166,000	\$310,520,000	473
Rusk	49.10%	\$2,747,437,000	\$432,624,000	794
Wood	93.70%	\$1,707,360,000	\$318,407,000	803
Hopkins	22.10%	\$1,522,055,000	\$382,152,000	749
Shelby	89.90%	\$1,329,658,000	\$240,389,000	503
San Augustine	8.90%	\$1,177,440,000	\$49,001,000	134
Van Zandt	54.60%	\$1,152,647,000	\$327,937,000	925
Jasper	38.00%	\$921,514,000	\$320,380,000	614
Upshur	34.90%	\$843,333,000	\$187,821,000	524
Newton	100.00%	\$483,167,000	\$26,209,000	128
Franklin	3.20%	\$430,682,000	\$120,101,000	173
Sabine	77.50%	\$226,682,000	\$59,870,000	186
Rains	100.00%	\$208,186,000	\$49,983,000	182
Median	54.60%	\$1,707,360,000	\$327,937,000	794

**Table 1C-3: Leading Industry by County**

<b>County</b>	<b>Percent in Basin</b>	<b>Leading Trade/Industry</b>	<b>Establishments in Leading Industry</b>	<b>Total Payroll in Leading Industry</b>	<b>% of Total Payroll in Leading Industry</b>
Newton	100.00%	Utilities	4	\$5,944,000	24.42%
Rains	100.00%	Construction	32	\$14,140,000	17.84%
Panola	99.70%	Mining	51	\$66,171,000	44.60%
Gregg	96.80%	Manufacturing	169	\$601,326,000	21.31%
Wood	93.70%	Construction	92	\$53,819,000	20.66%
Shelby	89.90%	Manufacturing	14	\$73,668,000	33.72%
Hunt	81.60%	Manufacturing	74	\$764,914,000	16.90%
Sabine	77.50%	Manufacturing	4	\$25,224,000	18.83%
Orange	66.30%	Manufacturing	71	\$447,185,000	42.13%
Harrison	65.10%	Manufacturing	74	\$260,626,000	19.10%
Van Zandt	54.60%	Construction	132	\$67,762,000	22.68%
Rusk	49.10%	Mining	42	\$62,564,000	28.55%
Jasper	38.00%	Manufacturing	25	\$108,029,000	28.59%
Upshur	34.90%	Construction	79	\$41,460,000	22.17%
Hopkins	22.10%	Manufacturing	36	\$86,683,000	14.46%
Smith	16.30%	Health Care & Social Assistance	682	\$1,156,245,000	22.68%
Rockwall	11.30%	Health Care & Social Assistance	330	\$255,727,000	55.88%
San Augustine	8.90%	Health Care & Social Assistance	18	\$11,964,000	22.07%
Franklin	3.20%	Transportation & Warehousing	9	\$43,208,000	35.98%
Kaufman	2.90%	Manufacturing	107	\$208,128,000	30.65%
Collin	0.70%	Finance & Insurance	1,911	\$5,387,636,000	28.29%

**Table 1C-4: Agricultural Revenue by County**

County	Percent in Basin	Crop Revenue	Livestock Revenue	Agricultural Revenue Total	% of Total Agricultural Revenue
Shelby	89.90%	\$2,837,000	\$464,720,000	\$467,557,000	27.70%
Hopkins	22.10%	\$10,381,000	\$243,357,000	\$253,738,000	15.00%
Franklin	3.20%	\$2,875,000	\$131,221,000	\$134,096,000	7.90%
Wood	93.70%	\$8,623,000	\$118,918,000	\$127,541,000	7.60%
Van Zandt	54.60%	\$42,428,000	\$62,175,000	\$104,603,000	6.20%
Panola	99.70%	\$4,626,000	\$96,094,000	\$100,720,000	6.00%
Rusk	49.10%	\$5,956,000	\$94,201,000	\$100,157,000	5.90%
Collin	0.70%	\$29,538,000	\$37,291,000	\$66,829,000	4.00%
Kaufman	2.90%	\$15,386,000	\$41,677,000	\$57,063,000	3.40%
San Augustine	8.90%	\$1,296,000	\$55,380,000	\$56,676,000	3.40%
Hunt	81.60%	\$25,837,000	\$29,476,000	\$55,313,000	3.30%
Smith	16.30%	\$36,759,000	\$16,846,000	\$53,605,000	3.20%
Upshur	34.90%	\$3,447,000	\$37,266,000	\$40,713,000	2.40%
Rains	100.00%	\$8,597,000	\$14,162,000	\$22,759,000	1.30%
Sabine	77.50%	\$450,000	\$17,265,000	\$17,715,000	1.00%
Jasper	38.00%	\$4,007,000	\$5,132,000	\$9,139,000	0.50%
Rockwall	11.30%	\$19,430	\$6,187,000	\$6,206,430	0.40%
Orange	66.30%	\$1,489,000	\$3,478,000	\$4,967,000	0.30%
Harrison	65.10%	\$13,964	\$4,140,000	\$4,153,964	0.20%
Gregg	96.80%	\$892,000	\$3,211,000	\$4,103,000	0.20%
Newton	100.00%	\$485,000	\$1,102,000	\$1,587,000	0.10%
Basin Totals		\$205,942,394	\$1,483,299,000	\$1,689,241,394	100.00%

Source: USDA

**Table 1C-5: Monthly Oil and Gas Production by County - December 2021**

County	Total Gas Production (MCF)	Gas Production Rank (Texas)	Crude Oil Production (Barrels)	Oil Production Rank (Texas)
Panola	46,413,814	4	9,998	137
Harrison	24,875,203	9	13,101	125
San Augustine	16,916,381	15	737	187
Rusk	5,957,244	26	98,456	55
Shelby	4,944,223	31	918	185
Wood	4,454,823	34	232,290	36
Upshur	1,497,040	60	4,643	156
Gregg	1,360,606	63	84,016	60
Smith	708,158	78	95,765	56
Jasper	556,934	85	17,495	108
Newton	271,348	109	60,549	72
Orange	160,992	127	8,095	140
Franklin	74,958	146	28,487	93
Sabine	38,989	155	0	210
Van Zandt	21,478	166	42,127	85
Hopkins	9,187	178	8,081	141
Kaufman	1,126	194	2,820	171
Collin	0	213	0	223
Hunt	0	230	0	236
Rains	0	245	0	249
Rockwall	0	249	0	251
TOTALS	108,262,504		707,578	

**Table 1C-6: Per Capita and Household Income by County**

<b>County</b>	<b>Percent Area in Basin</b>	<b>Per Capita Income</b>	<b>Median Household Income</b>	<b>Percentage of National Median</b>
Rains	100.00%	\$38,200	\$59,195	87.70%
Newton	100.00%	\$36,839	\$45,769	67.80%
Panola	99.70%	\$47,191	\$51,936	76.90%
Gregg	96.80%	\$49,152	\$51,394	76.10%
Wood	93.70%	\$42,978	\$61,886	91.70%
Shelby	89.90%	\$44,038	\$41,194	61.00%
Hunt	81.60%	\$42,819	\$53,760	79.60%
Sabine	77.50%	\$40,477	\$51,046	75.60%
Orange	66.30%	\$48,173	\$61,323	90.80%
Harrison	65.10%	\$45,396	\$55,198	81.70%
Van Zandt	54.60%	\$42,656	\$57,891	85.70%
Rusk	49.10%	\$39,551	\$56,954	84.40%
Jasper	38.00%	\$43,486	\$51,153	75.80%
Upshur	34.90%	\$39,674	\$58,231	86.20%
Hopkins	22.10%	\$45,219	\$53,634	79.40%
Smith	16.30%	\$57,076	\$60,735	89.90%
Rockwall	11.30%	\$64,943	\$106,225	157.30%
San Augustine	8.90%	\$43,642	\$45,781	67.80%
Franklin	3.20%	\$44,725	\$58,927	87.30%
Kaufman	2.90%	\$47,580	\$76,352	113.10%
Collin	0.70%	\$71,246	\$101,560	150.40%



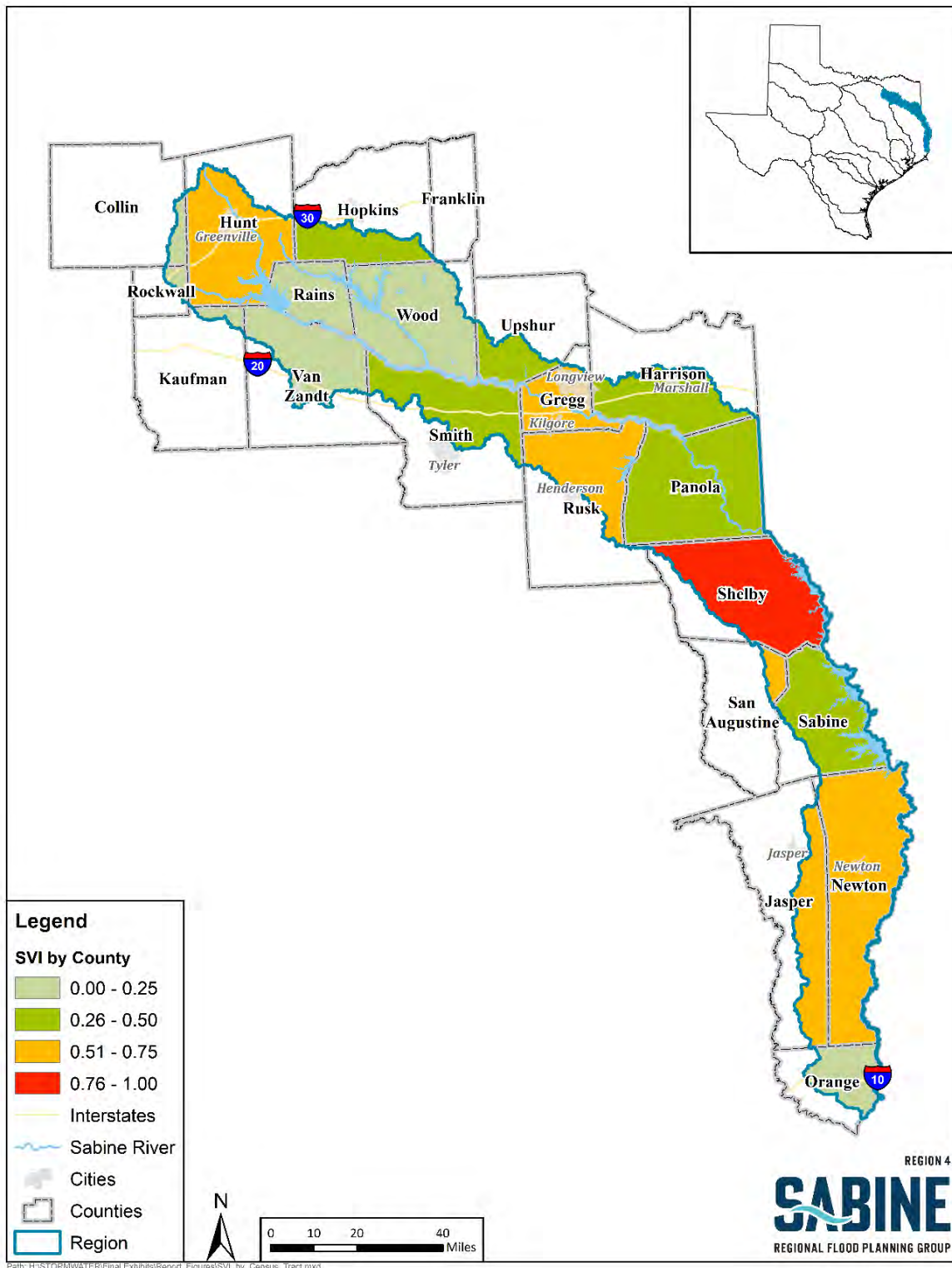
**Table 1C-7: Sabine River Basin Population Projection by County**

County	WUG Name	2020	2050	Increase	Pct. Increase
Collin	COUNTY-OTHER, Collin	193	193	0	0%
	FARMERSVILLE	13	114	101	777%
	JOSEPHINE	1,618	4,958	3,340	206%
	NEVADA SUD	1,226	5,829	4,603	375%
Franklin	COUNTY-OTHER, Franklin	148	163	15	10%
Gregg	CLARKSVILLE CITY	948	1,258	310	33%
	COUNTY-OTHER, Gregg	4,437	5,868	1,431	32%
	ELDERVILLE WSC	6,733	8,968	2,235	33%
	GLADEWATER	7,034	9,051	2,017	29%
	KILGORE	14,152	18,841	4,689	33%
	LIBERTY CITY WSC	4,971	6,617	1,646	33%
	LONGVIEW	88,268	116,976	28,708	33%
	TRYON ROAD SUD	1,244	1,638	394	32%
	WEST GREGG SUD	4,618	6,274	1,656	36%
WHITE OAK	6,966	9,243	2,277	33%	
Harrison	BLOCKER CROSSROADS WSC	1,291	1,622	331	26%
	COUNTY-OTHER, Harrison	5,069	6,066	997	20%
	GILL WSC	2,437	2,907	470	19%
	GUM SPRINGS WSC	6,723	8,457	1,734	26%
	HALLSVILLE	4,003	5,034	1,031	26%
	LEIGH WSC	516	649	133	26%
	MARSHALL	22,938	28,855	5,917	26%
	SCOTTSVILLE	1,035	1,303	268	26%
	TALLEY WSC	928	1,166	238	26%
WEST HARRISON WSC	1,013	1,275	262	26%	
Hopkins	BRASHEAR WSC	163	197	34	21%
	CORNERSVILLE WSC	684	847	163	24%
	COUNTY-OTHER, Hopkins	915	752	-163	-18%
	CUMBY	754	1,080	326	43%
	MARTIN SPRINGS WSC	2,825	4,137	1,312	46%
	MILLER GROVE WSC	1,451	1,706	255	18%
	SHADY GROVE NO 2 WSC	222	268	46	21%
	SHIRLEY WSC	2,501	2,898	397	16%
Hunt	B H P WSC	5,232	10,583	5,351	102%
	CADDO BASIN SUD	9,136	21,572	12,436	136%
	CADDO MILLS	1,710	3,843	2,133	125%
	CASH SUD	20,436	35,099	14,663	72%
	CELESTE	1,012	2,051	1,039	103%
	COMBINED CONSUMERS SUD	7,181	13,688	6,507	91%
	COUNTY-OTHER, Hunt	4,358	16,283	11,925	274%
	GREENVILLE	29,868	48,639	18,771	63%

County	WUG Name	2020	2050	Increase	Pct. Increase
	HICKORY CREEK SUD	1,877	5,339	3,462	184%
	POETRY WSC	2,727	5,600	2,873	105%
	QUINLAN	1,528	1,815	287	19%
	SHADY GROVE WSC	1,476	2,991	1,515	103%
	WEST TAWAKONI	2,679	4,592	1,913	71%
Jasper	COUNTY-OTHER, Jasper	7,441	7,632	191	3%
	JASPER	227	233	6	3%
	JASPER COUNTY WCID 1	2,730	2,802	72	3%
	KIRBYVILLE	2,218	2,276	58	3%
	SOUTH JASPER COUNTY WSC	1,139	1,169	30	3%
	UPPER JASPER COUNTY WATER AUTHORITY	446	461	15	3%
Kaufman	ABLES SPRINGS WSC	3,800	7,950	4,150	109%
	COUNTY-OTHER, Kaufman	16	33	17	106%
	ELMO WSC	0	0	0	0%
Newton	BROOKELAND FWSD	951	958	7	1%
	COUNTY-OTHER, Newton	8,195	8,189	-6	0%
	NEWTON	2,478	2,478	0	0%
	SOUTH NEWTON WSC	3,883	4,021	138	4%
Orange	BRIDGE CITY	2,918	3,205	287	10%
	COUNTY-OTHER, Orange	9,610	10,560	950	10%
	KELLY G BREWER	344	378	34	10%
	MAURICEVILLE SUD	9,370	10,230	860	9%
	ORANGE	19,667	21,608	1,941	10%
	ORANGE COUNTY WCID 1	139	153	14	10%
	ORANGE COUNTY WCID 2	3,632	3,991	359	10%
	ORANGEFIELD WSC	2,993	3,288	295	10%
	PINEHURST	2,226	2,445	219	10%
Panola	BECKVILLE	994	1,254	260	26%
	CARTHAGE	6,925	7,232	307	4%
	COUNTY-OTHER, Panola	15,876	17,783	1,907	12%
	PANOLA-BETHANY WSC	1,271	2,276	1,005	79%
Rains	BRIGHT STAR SALEM SUD	4,406	4,791	385	9%
	COUNTY-OTHER, Rains	733	722	-11	-2%
	EAST TAWAKONI	1,158	1,262	104	9%
	EMORY	2,147	2,338	191	9%
	POINT	1,484	1,615	131	9%
	SOUTH RAINS SUD	2,119	2,309	190	9%
Rockwall	BEAR CREEK SUD	393	1,223	830	211%
	BLACKLAND WSC	1,003	1,255	252	25%
	COUNTY-OTHER, Rockwall	476	644	168	35%
	FATE	11,012	25,475	14,463	131%
	ROYSE CITY	11,651	54,816	43,165	370%
Rusk	CHALK HILL SUD	3,807	5,123	1,316	35%

County	WUG Name	2020	2050	Increase	Pct. Increase
	COUNTY-OTHER, Rusk	4,064	5,498	1,434	35%
	CROSS ROADS SUD	3,531	4,745	1,214	34%
	CRYSTAL FARMS WSC	1,043	1,404	361	35%
	HENDERSON	890	1,197	307	34%
	JACOBS WSC	1,770	2,382	612	35%
	MINDEN BRACHFIELD WSC	560	752	192	34%
	NEW LONDON	990	1,331	341	34%
	NEW PROSPECT WSC	1,156	1,557	401	35%
	OVERTON	2,612	3,590	978	37%
	TATUM	1,536	2,090	554	36%
Sabine	COUNTY-OTHER, Sabine	1,346	1,353	7	1%
	G M WSC	5,988	5,992	4	0%
	HEMPHILL	1,294	1,304	10	1%
San Augustine	COUNTY-OTHER, San Augustine	538	538	0	0%
	SAN AUGUSTINE RURAL WSC	95	95	0	0%
Shelby	CENTER	5,589	6,736	1,147	21%
	CHOICE WSC	982	1,184	202	21%
	COUNTY-OTHER, Shelby	6,724	8,106	1,382	21%
	EAST LAMAR WSC	853	1,029	176	21%
	FIVE WAY WSC	1,512	1,822	310	21%
	FLAT FORK WSC	1,161	1,399	238	20%
	HUXLEY	2,210	2,663	453	20%
	JOAQUIN	1,176	1,416	240	20%
	MCCLELLAND WSC	1,383	1,666	283	20%
	SAND HILLS WSC	837	1,008	171	20%
	TENAHA	1,252	1,509	257	21%
TIMPSON	1,222	1,473	251	21%	
Smith	CARROLL WSC	508	687	179	35%
	COUNTY-OTHER, Smith	2,381	4,393	2,012	85%
	CRYSTAL SYSTEMS TEXAS	3,960	6,106	2,146	54%
	JACKSON WSC	1,620	2,270	650	40%
	LINDALE	2,416	4,191	1,775	73%
	LINDALE RURAL WSC	7,852	10,674	2,822	36%
	PINE RIDGE WSC	1,332	1,799	467	35%
	SAND FLAT WSC	3,417	4,616	1,199	35%
	SMITH COUNTY MUD 1	2,033	3,025	992	49%
	SOUTHERN UTILITIES	9,879	12,527	2,648	27%
	STAR MOUNTAIN WSC	1,392	1,882	490	35%
	STARRVILLE-FRIENDSHIP WSC	2,122	2,854	732	34%
	TYLER	786	1,001	215	27%
WINONA	645	961	316	49%	
WRIGHT CITY WSC	101	137	36	36%	

County	WUG Name	2020	2050	Increase	Pct. Increase
Upshur	BIG SANDY	1,466	1,789	323	22%
	COUNTY-OTHER, Upshur	1,852	2,263	411	22%
	EAST MOUNTAIN WATER SYSTEM	1,522	1,857	335	22%
	GLENWOOD WSC	101	124	23	23%
	PRITCHETT WSC	5,761	7,026	1,265	22%
	UNION GROVE WSC	2,214	2,703	489	22%
Van Zandt	CANTON	3,969	4,903	934	24%
	COUNTY-OTHER, Van Zandt	5,271	6,439	1,168	22%
	EDGEWOOD	1,564	1,864	300	19%
	FRUITVALE WSC	3,383	4,214	831	25%
	GRAND SALINE	3,390	3,750	360	11%
	LITTLE HOPE MOORE WSC	487	607	120	25%
	MACBEE SUD	3,465	4,515	1,050	30%
	MYRTLE SPRINGS WSC	435	542	107	25%
	PRUITT SANDFLAT WSC	1,419	1,768	349	25%
	SOUTH TAWAKONI WSC	4,669	6,281	1,612	35%
	VAN	310	401	91	29%
	WILLS POINT	2,419	2,480	61	3%
Wood	ALGONQUIN WATER RESOURCES OF TEXAS	2,145	2,898	753	35%
	COUNTY-OTHER, Wood	2,590	2,391	-199	-8%
	CYPRESS SPRINGS SUD	0	0	0	0%
	FOUKE WSC	6,653	7,227	574	9%
	GOLDEN WSC	3,337	3,702	365	11%
	HAWKINS	1,416	1,535	119	8%
	JONES WSC	4,525	4,982	457	10%
	LAKE FORK WSC	2,352	2,568	216	9%
	MINEOLA	5,356	5,808	452	8%
	NEW HOPE SUD	2,535	2,749	214	8%
	QUITMAN	2,046	2,220	174	9%
	RAMEY WSC	3,687	3,999	312	8%
	SHARON WSC	2,804	3,165	361	13%
WINNSBORO	3,119	3,391	272	9%	



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Figure 1C - 1: Average SVI by County

**Table 1C-8: High Vulnerability Census Tracts**

County	Census Tract	Nearest City	SVI
Shelby	9504	Center, TX	0.99
Gregg	107	Kilgore, TX	0.96
Gregg	9	Longview, TX	0.96
Hunt	9608	Greenville, TX	0.95
Gregg	13	Longview, TX	0.94
Smith	16.01	Tyler, TX	0.93
Harrison	204.01	Marshall, TX	0.91
Smith	2	Tyler, TX	0.89
Gregg	10	Longview, TX	0.89
Hunt	9609	Greenville, TX	0.87
Gregg	8	Longview, TX	0.86
Gregg	11	Longview, TX	0.86
Van Zandt	9501	Grand Saline, TX	0.85
Gregg	14	Longview, TX	0.84
Orange	203	West Orange, TX	0.83
Hunt	9610	Greenville, TX	0.82
Harrison	204.02	Marshall, TX	0.82
Smith	17	Tyler, TX	0.79
Smith	6	Tyler, TX	0.78
Shelby	9502	Timpson, TX	0.78
Jasper	9506	Kirbyville, TX	0.77
Orange	207	Orange, TX	0.77
Harrison	203.02	Marshall, TX	0.76
Hopkins	9507	Como, TX	0.76

**Table 1C-9: Flood-Related Federal Disaster Declarations**

FEMA Declaration	Date	Declaration Title	Counties Impacted
DR-2-TX	5/15/1953	Tornado & Heavy Rainfall	Statewide
DR-9-TX	6/19/1953	Flood	Statewide
DR-18-TX	7/1/1954	Flood	Statewide
DR-72-TX	4/29/1957	Hurricane, Rain, Wind, Hail & Floods	Statewide
DR-85-TX	6/6/1958	Tornadoes, Rain, Hail & Floods	Statewide
DR-93-TX	6/8/1959	Floods	Statewide
DR-103-TX	7/15/1960	Heavy Rains, Hail, Floods & Tornadoes	Statewide
DR-118-TX	8/16/1961	Hurricane Carla	Statewide
DR-159-TX	9/24/1963	Hurricane Cindy	Statewide
DR-199-TX	6/1/1953	Tornadoes & Flooding	Smith
DR-218-TX	5/12/1966	Severe Storms & Flooding	Collin, Gregg, Harrison, Rains, Rockwall, Rusk, Shelby, Upshur
DR-320-TX	1/27/1972	Heavy Rains & Flooding	Rains
DR-393-TX	6/25/1973	Severe Storms & Flooding	Orange, Upshur
DR-398-TX	7/11/1973	Severe Storms & Flooding	Jasper, Newton, Sabine
DR-454-TX	11/30/1974	Severe Storms & Flooding	Hopkins
DR-580-TX	4/26/1979	Severe Storms, Tornadoes & Flooding	Orange
DR-595-TX	7/28/1979	Storms & Flash Flooding	Orange
DR-793-TX		Severe Storms & Tornadoes	Smith
DR-802-TX		Severe Storms & Tornadoes	Smith
DR-823-TX	4/23/1989	Severe Storms & Flooding	Gregg, Harrison, Panola, Rusk, Smith
DR-828-TX	5/19/1989	Severe Storms, Tornadoes & Flooding	Collin, Gregg, Harrison, Jasper, Kaufman, Newton, Orange, Panola, Rockwall, Rusk, Sabine, San Augustine, Smith, Upshur, Van Zandt
DR-836-TX	7/18/1989	Tropical Storm Allison	Jasper, Newton, Orange
DR-863-TX	5/2/1990	Severe Storms, Tornadoes, & Flooding	Collin, Hunt, Kaufman, Rains, Van Zandt
DR-930-TX	12/26/1991	Severe Thunderstorms	Rusk, Smith
DR-1041-TX	10/18/1994	Severe Thunderstorms and Flooding	Jasper, Orange, San Augustine, Shelby

FEMA Declaration	Date	Declaration Title	Counties Impacted
DR-1239-TX	8/26/1998	Tropical Storm Charley	Collin, Franklin, Gregg, Harrison, Hopkins, Hunt, Jasper, Kaufman, Newton, Orange, Panola, Rains, Rockwall, Rusk, Sabine, San Augustine, Shelby, Smith, Upshur, Van Zandt, Wood
DR-1379-TX	6/9/2001	Tropical Storm Allison	Harrison, Jasper, Newton, Orange, Sabine, San Augustine, Shelby, Smith
DR-1439-TX	11/5/2002	Severe Storms, Tornadoes and Flooding	Jasper, Orange
DR-1606-TX	9/24/2005	Hurricane Rita	Collin, Franklin, Gregg, Harrison, Hopkins, Hunt, Jasper, Kaufman, Newton, Orange, Panola, Rains, Rockwall, Rusk, Sabine, San Augustine, Shelby, Smith, Upshur, Van Zandt, Wood
DR-1709-TX	6/29/2007	Severe Storms, Tornadoes, and Flooding	Collin, Hopkins, Hunt, Kaufman, Smith, Van Zandt
DR-1791-TX	9/13/2008	Hurricane Ike	Gregg, Harrison, Jasper, Newton, Orange, Panola, Rusk, Sabine, San Augustine, Shelby, Smith, Upshur
DR-4223-TX	5/29/2015	Severe Storms, Tornadoes, Straight-Line Winds and Flooding	Harrison, Hopkins, Jasper, Kaufman, Newton, Orange, Rusk, Sabine, San Augustine, Shelby, Smith, Van Zandt
DR-4255-TX	2/9/2016	Severe Winter Storms, Tornadoes, Straight-Line Winds, and Flooding	Franklin, Harrison, Hopkins, Kaufman, Rains, Rockwall, Smith, Van Zandt
DR-4266-TX	3/19/2016	Severe Storms, Tornadoes, and Flooding	Gregg, Harrison, Jasper, Newton, Orange, Sabine, San Augustine, Shelby



FEMA Declaration	Date	Declaration Title	Counties Impacted
DR-4269-TX	4/25/2016	Severe Storms and Flooding	Harrison, Upshur, Van Zandt, Wood
DR-4272-TX	6/11/2016	Severe Storms and Flooding	Jasper
DR-4332-TX	8/25/2017	Hurricane Harvey	Jasper, Orange, Sabine, San Augustine
DR-4416-TX	2/25/2019	Severe Storms and Flooding	Franklin, Orange
DR-4466-TX	10/4/2019	Tropical Storm Imelda	Orange
DR-4572-TX	12/9/2020	Hurricane Laura	Newton, Orange

**Table 1C-10: Flood-Related Federal Emergency Declarations**

FEMA Declaration	Date	Declaration Title	Counties Impacted
EM-3216-TX	9/1/2005	Hurricane Katrina Evacuation	Collin, Franklin, Gregg, Harrison, Hopkins, Hunt, Jasper, Kaufman, Newton, Orange, Panola, Rains, Rockwall, Rusk, Sabine, San Augustine, Shelby, Smith, Van Zandt, Wood
EM-3261-TX	9/21/2005	Hurricane Rita	Statewide
EM-3277-TX	8/18/2007	Hurricane Dean	Smith
EM-3290-TX	8/29/2008	Hurricane Gustav	Collin, Jasper, Newton, Orange, Sabine, Shelby, Smith
EM-3294-TX	9/10/2008	Hurricane Ike	Collin, Franklin, Gregg, Harrison, Hopkins, Hunt, Jasper, Kaufman, Newton, Orange, Panola, Sabine, San Augustine, Shelby, Smith, Van Zandt, Wood
EM-3540-TX	8/24/2020	Tropical Storms Marco and Laura	Franklin, Gregg, Harrison, Jasper, Newton, Orange, Panola, Rusk, Sabine, San Augustine, Shelby, Smith, Upshur, Wood

**Table 1-C-1 List of Major Reservoirs in Region 4**

<b>Lake/Reservoir</b>	<b>Location</b>	<b>Surface Acres</b>	<b>Normal Impoundment Capacity (acre-feet)</b>
Toledo Bend Reservoir	Shelby & Sabine County	181,619	4,447,000
Lake Tawakoni	Rains & Van Zandt County	36,700	927,440
Lake Fork Reservoir	Wood County	27,699	675,819
Martin Lake	City of Tatum	5,020	77,619
Lake Cherokee	Gregg & Rusk County	3,987	46,700
Lake Murvaul	Gary City	3,820	45,840
Brandy Branch Reservoir	Harrison County	1,242	29,513
Lake Hawkins	City of Hawkins	1,260	27,079
Lake Winnsboro	Wood County	1,650	25,101
Lake Quitman	City of Quitman	1,570	24,370
Lake Holbrook	City of Mineola	1,070	17,740
Lake Gladewater	City of Gladewater	800	6,950

*Source: Sabine River Authority, Hazard Mitigation Plan (Version 1)*