

Table 5-6. *continued*

River Basin	Surface water supplies from existing sources (AFY)						%
	2000	2010	2020	2030	2040	2050	
Nueces-Rio Grande	18,341	18,341	18,341	18,341	18,341	18,341	- 0
Red	409,195	404,253	399,455	394,459	369,217	367,154	↓ 10
Rio Grande	1,238,743	1,221,873	1,169,666	1,079,380	1,013,848	932,510	↓ 25
Sabine	583,897	546,866	535,439	526,626	513,049	513,896	↓ 12
San Antonio	77,501	77,501	77,501	77,501	77,501	77,501	- 0
San Antonio-Nueces	1,478	1,478	1,478	1,478	1,478	1,478	- 0
San Jacinto	112,662	110,337	64,317	12,199	11,294	11,282	↓ 90
San Jacinto-Brazos	47,692	47,786	47,802	47,617	47,618	47,797	- 0
Sulphur	217,275	215,885	214,064	212,595	211,980	211,180	↓ 3
Trinity	1,912,777	1,929,214	1,970,309	1,652,144	1,668,423	1,709,838	↓ 11
Trinity-San Jacinto	30,109	30,111	30,124	30,123	30,122	30,120	- 0
Total	8,590,838	8,027,774	7,894,826	7,320,682	7,088,539	7,015,066	↓ 18

% represents the percent change from 2000 through 2050. The preceding symbol indicates whether supplies from the river basin are expected to decline (↓), increase (↑), or remain the same (-) from 2000 through 2050. Supplies that do not change by more than 0.5 percent are shown as remaining the same.

Table 5-7. Existing interbasin transfers*.

ID	Source	Destination
1	Lake Meredith	City of Amarillo
2	Lake Meredith	City of Lubbock
3	Lake Meredith	Cities of Lamesa, O'Donnel and Brownfield
4	Mackenzie Reservoir	Cities of Floydada and Lockney
5	Megargel Creek Lake	City of Megargel and service area
6	Lake Kickapoo	City of Olney
7	Lakes Cooper and Olney	City of Olney
8	Moss Reservoir	City of Gainesville
9	Lake Texoma	Lake Lavon
10	Pat Mayse Reservoir	Service area
11	Lake Crook	City of Paris
12	Bringle Lake	City of Texarkana
13	Cooper Lake	Lake Lavon, service area
14	Cooper Lake	Lake Lavon
15	Cooper Lake	Lake Lavon, City of Irving and its service areas
16	Lake Sulphur Springs	City of Sulphur Springs
17	Lake Wright Patman	City of Texarkana and customers
18	Lake Wright Patman	City of Atlanta
19	Lake Cypress Springs	City of Winnsboro
20	Lake Cypress Springs	Mount Vernon WTP
21	Lake O' the Pines	City of Longview
22	Big Cypress Bayou	City of Marshall
23	Lake Tawakoni	Commerce WTP
24	Lake Tawakoni	Dallas WTP or Lake Ray Hubbard
25	Lake Fork Reservoir	Dallas via Lake Tawakoni
26	Lake Tawakoni	Lake Terrell

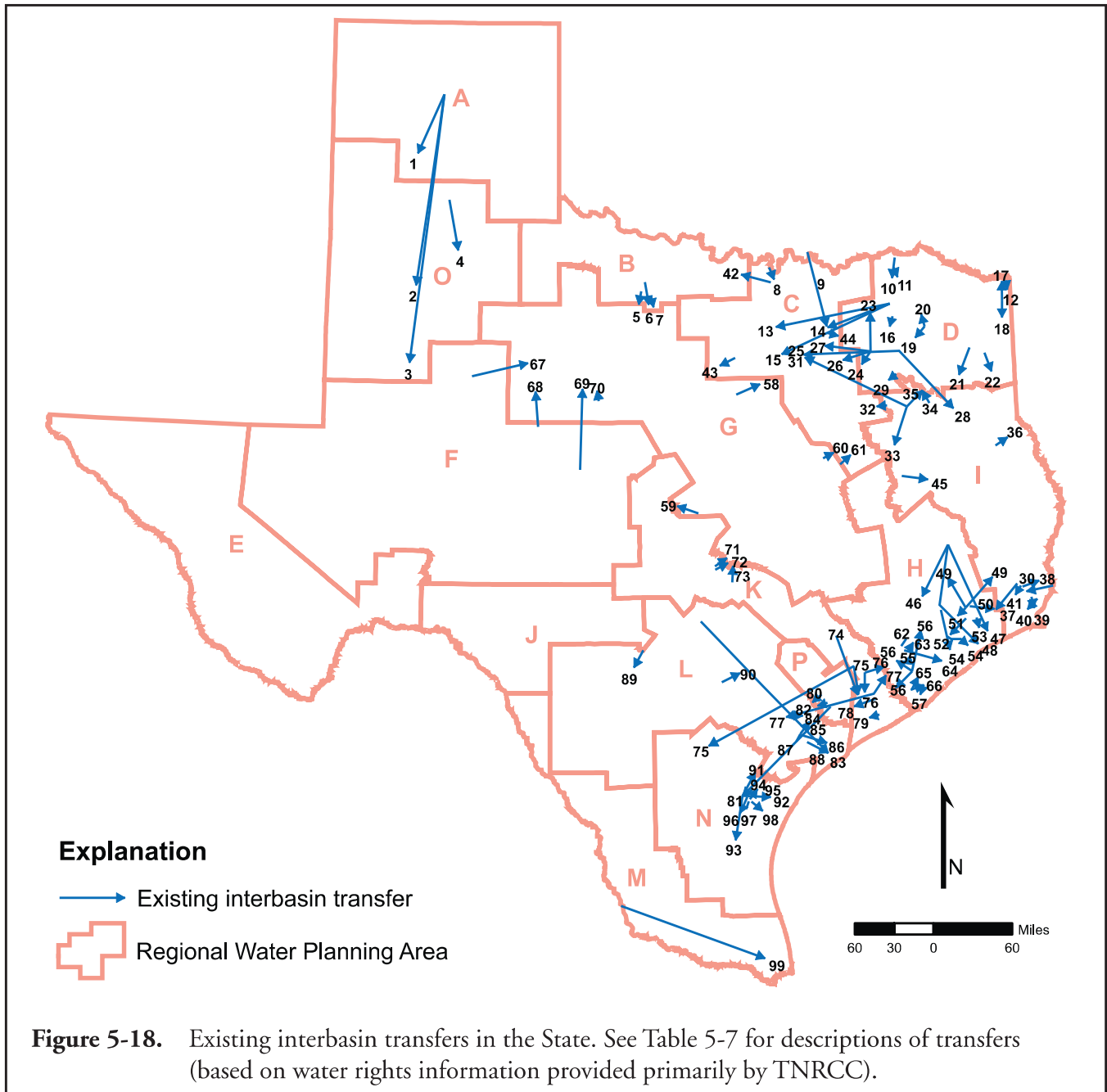
Table 5-7. *continued*

ID	Source	Destination
27	Lake Tawakoni	Wills Point
28	Lake Fork Reservoir	Service area
29	Village Creek	City of Van
30	Toledo Bend Reservoir	Service area
31	Lake Palestine	City of Dallas
32	Lake Athens	Athens WTP
33	Lake Palestine	Part Palestine
34	Lake Palestine	City of Tyler
35	Lake Tyler	City of Tyler
36	Lake Pinkston	Center WTP
37	Neches River and Pine Island Bayou (releases from Sam Rayburn and Steinhagen)	LNVA service area within Chambers, Liberty, and Jefferson Counties
38	Neches River	Implied service area
39	Neches River	Implied service area
40	Neches River	Alligator Bayou
41	Neches River	Beaumont service area
42	SCS Reservoir on Elm Fork Trinity River	City of Saint Jo
43	Lake Weatherford	City of Weatherford
44	Lake Lavon	Royse City and others
45	Houston County Lake	Highlands Reservoir, industries and irrigation
46	Lakes Livingston and Wallisville and Lake Houston (10-4965)	City of Houston service area
47	Lakes Livingston and Wallisville	City of Houston service area
48	Trinity River	San Jacinto River Authority
49	Lakes Livingston and Wallisville	Service area
50	Trinity River	Devers Rice Growers
51	Lakes Livingston and Wallisville and Lake Houston (10-4965)	City of Houston service area
52	Lakes Livingston and Wallisville and Lake Houston (10-4965)	City of Houston service area
53	Lake Anahuac, Trinity River, and Trinity Bay	Chambers-Liberty Co. ND
54	Lake Houston	City of Houston service area (San Jacinto-Brazos)
54	Lake Houston	City of Houston service area (Trinity-San Jacinto)
55	Oyster Creek	Within property boundaries
56	Jones Creek and Oyster Creek	Service area
56	Jones Creek and Oyster Creek	Service area
56	Jones Creek and Oyster Creek	Service area
57	Freeport Harbor Channel	Brazos River
58	Lake Granbury	Service area
59	Sulphur Creek	Service area
60	Lake Mexia	City of Mexia and Mexia State School
61	Teague City Lake	City of Teague
62	Brazos River (COAs 5155-5165)	BRA service area

Table 5-7. *continued*

ID	Source	Destination
63	Brazos River	BRA service area
64	Brazos River	Service area
65	Brazos River	Brazoria County (?Fort Bend, Harris, and Galveston)
66	Brazos River	City of Freeport
67	Lake J.B. Thomas	Part of Fisher County
68	Oak Creek Reservoir	Lake Trammell and Sweetwater
69	O H Ivie Reservoir	City of Abilene and its customers
70	Lake Clyde	City of Clyde
71	Lake Travis	City of Leander
72	Lake Travis	City of Cedar Park
73	Lake Austin and Town Lake	Williamson County and possibly others
74	Colorado River and Eagle Lake	Lakeside Irrigation
75	Colorado River	Garwood rights to various recipients
75	Colorado River	Garwood rights to various recipients
76	Colorado River	Garwood rights to various recipients
76	Colorado River	Garwood rights to various recipients
77	Colorado River	Corpus Christi and its service areas
77	Colorado River	Corpus Christi and its service areas
78	Colorado River	South Texas Reservoir
79	Colorado River	Gulf Coast Water Division service area
80	Lavaca River	Within property boundaries
81	Lake Texana, Lavaca River	LNRA service area, including City of Corpus Christi and its service areas
82	Lavaca River, Dry Creek,	Within county boundaries
83	Garcitas Creek, Venado Creek Canyon Lake	Service area
84	Guadalupe River	Victoria and its service area
85	Guadalupe River	Plant (located out of basin)
86	Guadalupe River	Schwings Bayou (discharge point)
87	Elm Bayou	Irrigation
88	Guadalupe River	Calhoun County
89	Lake Medina and Lake Diversion	BMA Canals
90	San Antonio River	Elm Creek
91	Lake Corpus Christi	Beeville
92	City of Taft	Taft Drainage Canal
93	Lake Corpus Christi	Alice Terminal Reservoir
94	Calallen Reservoir	San Patricio MWD and Nueces County WCID #4
95	Nueces River	Rincon Bayou
96	Calallen Reservoir	South Texas Water Authority
97	Calallen Reservoir	Nueces County WCID #3 (Robstown and surrounding area)
98	Calallen Reservoir	Corpus Christi industries
99	Falcon and Amistad Reservoirs	Nueces-Rio Grande

* Based on water rights information provided primarily by TNRCC.



5.3.3 Wastewater Reuse

Key Finding Water supplies from current wastewater reuse are projected to decrease 18 percent, from approximately 340,000 AFY in 2000 to 280,000 AFY in 2050.

Wastewater reuse can be categorized as municipal, industrial, agricultural, or a combination of approaches. In municipal and industrial applications, the term “reuse” generally refers to the process of using treated wastewater (reclaimed water) for a beneficial purpose. The degree of treatment depends on the proposed use for the reclaimed water. Examples of water reuse include municipal reclaimed water for golf course irrigation