

Appendix P
Water Management Strategies
Environmental Impacts Matrix

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Water Management Strategies Environmental Impacts Matrix

Volume II Section	WMS	Sponsor	County	Basin	Pipeline Acres	Intake Pump Station Acres	Pump Station Acres	Water Treatment Plant Acres	Well Acres	WMS Type	Total Impacted Area (acres)	Reservoir Footprint (acres)	Wetlands Impacted (acres)	Agricultural Resources Impacted (acres)	Threatened and Endangered Species Present	Scoring						
																Environmental Water Needs	Wildlife Habitat	Wetlands	Threatened and Endangered Species	Cultural Resource	Bays and Estuaries	Agricultural Resources
2.1	Municipal Water Conservation	Multiple	Multiple	Multiple						Conservation					Variable	3	3	3	1	3	3	3
2.2	Irrigation Water Conservation	Multiple	Multiple	Multiple						Conservation						3	3	3	3	3	3	3
2.3	Industrial Water Conservation	Multiple	Multiple	Multiple						Conservation						3	3	3	3	3	3	3
3.2	General Evaluation of Direct Reuse Potential For Multiple WUGs	Multiple	Multiple	Multiple	Variable	Variable	Variable	Variable		Reuse	Variable	Variable	Variable	Variable	Variable	2	3	3	2	3	3	3
3.3	Bell County WCID No.1 – Reuse Projects	Bell County WCID No.1	Bell	Multiple	50		10	5		Reuse	65		65	65	Variable	2	3	3	2	3	3	3
3.4	City of Bryan Lake Bryan Reuse	Bryan	Brazos	Brazos	33	5	5	5		Reuse	48		5	48	Variable	2	3	3	2	3	3	3
3.5	City of Bryan – Miramont Reuse	Bryan	Brazos	Brazos	21		5	5		Reuse	31			31	Variable	2	3	3	2	3	3	3
3.6	Cedar Park Reuse	Cedar Park	Williamson	Brazos	17		5			Reuse	22			22	Variable	2	3	3	2	3	3	3
3.7	City of Cleburne Reuse	Cleburne	Johnson	Brazos	27		5			Reuse	32			32	Variable	2	3	3	2	3	3	3
3.8	City of College Station Non-Potable Reuse	College Station	Brazos	Brazos	13		5	5		Reuse	23			23	Variable	2	3	3	2	3	3	3
3.9	College Station Direct Potable Reuse	College Station	Brazos	Brazos	43		5	5		Reuse	53			53	Variable	2	2	3	2	3	3	3
3.10	City of Georgetown Reuse	Georgetown	Williamson	Brazos	15		5			Reuse	20			20	Variable	2	2	3	2	3	3	3
3.11	Waco WMARSS Reuse Projects	Multiple	McLennan	Brazos	134			30		Reuse	164			164	Variable	2	3	3	2	3	3	3
4.1	Brazos River Main Stem Off-Channel Reservoirs	BRA	Multiple	Multiple	16	5				Reservoir	21	1,932	1,937	21	48	3	3	3	3	3	3	3
4.2	Brushy Creek Reservoir	Marlin	Falls	Brazos	73		5			Reservoir	78	697	697	78	24	3	3	3	3	3	3	3
4.3	Cedar Ridge Reservoir	Abilene	Shackelford	Brazos	176	5				Reservoir	181		5	93	1	2	1	3	2	2	3	2
4.4	Coryell County Off Channel Reservoir	Multi County WSC	Coryell	Brazos	1	5				Reservoir	6	445	450	6	23	3	3	3	3	3	3	3
4.5	City of Groesbeck Off-Channel Reservoir	Groesbeck	Limestone	Brazos	4	5	5			Reservoir	14	146	151	14	56	3	3	3	3	3	3	3
4.6	Hamilton County Off-Channel Reservoir	Hamilton	Hamilton	Multiple	127	10	5	5		Reservoir	147	1,374	1,384	147	49	2	2	3	3	3	3	3
4.7	NCTMWA Lake Creek Reservoir	North Central Texas MWA	Knox & Baylor	Brazos	67	5	10	5		Reservoir	87	2,866	2,871	87	2	2	1	3	2	3	3	2
4.8	Red River Off-Channel Reservoir	DWU and UTRWD (Region C)	Multiple	Red	1,267	5	5			Reservoir	1,277	803	808	1,277	96	2	2	3	2	2	3	2
4.9	South Bend Reservoir	BRA	Young	Brazos						Reservoir		29,877	29,877		42	3	3	3	3	3	3	3
4.10	New Throckmorton Reservoir	Throckmorton	Throckmorton	Brazos	30	5		5		Reservoir	40	1,161	1,166	40	39	2	1	3	3	1	3	2
4.11	Turkey Peak Dam – Lake Palo Pinto Enlargement	Palo Pinto County MWD No. 1	Palo Pinto	Brazos						Reservoir		2,176	2,176		49	3	3	3	3	3	3	3
5.1	City of Bryan Groundwater Strategies	Bryan	Brazos	Brazos	64		5	5	12	Groundwater	86			86	15	3	3	3	3	3	3	3
5.2	College Station Groundwater Strategies	College Station	Brazos	Brazos	13		5	5	8	Groundwater	31			31	13	3	3	3	3	3	3	3
5.3	Williamson County Groundwater Strategies	BRA	Multiple	Multiple	1,973		5	5	86	Groundwater	2,069			2,069	18	3	3	3	3	3	3	3
5.4	West Texas Partnership Water to Abilene (Region F)	Abilene	Multiple	Multiple	1,252		10	5	24	System Operations	1,291			1,291	Variable	3	3	3	3	3	3	2
6.1	BRA System Operations	BRA	Multiple	Multiple						System Operations					Variable	3	3	3	3	3	3	3
7.1	Lake Granger Augmentation	BRA	Williamson	Brazos	22		5	5	60	Reservoir Augmentation	92			92	Variable	3	3	3	3	3	3	3
7.2	Oak Creek Reservoir Conjunctive Use	Sweetwater	Coke and Nolan	Colorado & Brazos						Reservoir Augmentation						3	3	3	3	3	3	3
8.1	City of Bryan ASR	Bryan	Brazos	Brazos	15		5	5	20	ASR	45			45	15	3	3	3	3	3	3	3
8.2	City of College Station ASR	College Station	Brazos	Brazos	43		5	5	40	ASR	93			93	15	3	3	3	3	3	3	3
8.3	Lake Georgetown ASR	Georgetown	Williamson	Brazos	73			10	50	ASR	133			133	19	3	3	3	3	3	3	3
8.4	Lake Granger ASR	BRA	Williamson	Brazos	8		5	5	44	ASR	57			57	19	3	3	3	3	3	3	3
8.5	Johnson County SUD and Acton MUD ASR	Johnson County SUD & Acton MUD	Johnson & Hood	Brazos			5		26	ASR	31			31	12	3	3	3	3	3	3	3
8.6	Trinity ASR in McLennan County	Waco	McLennan	Brazos					58	ASR	58			58	12	3	3	3	3	3	3	3
9.1	Bosque County Regional Project	Multiple	Bosque	Multiple	170		10	5		Regional Project	185			185	12	3	3	3	3	3	3	3
9.2	Milam County Groundwater and Alcoa Supply for Williamson County	BRA & Williamson County Entities	Williamson & Milam	Brazos	255	5	5	5	28	Regional Project	298		5	298	Variable	3	3	3	3	3	3	3
9.3	Brushy Creek Regional Utility Authority System	Multiple	Williamson & Travis	Colorado & Brazos		10		10		Regional Project	20		10	20	15	3	3	3	3	3	3	3
9.4	East Williamson County Water Supply Project	Lone Star Regional Water Authority	Multiple	Multiple	18,274		10			Regional Project	18,284			18,284	Variable	3	3	3	3	3	3	1
9.5	Lake Belton to Lake Stillhouse Hollow Pipeline	BRA	Bell and Coryell	Brazos	41	5	5			Water Supply	51		5	51	Variable	3	3	3	3	3	3	3
9.6	Lake Whitney Water Supply Project (Cleburne)	Cleburne	Johnson & Hill	Brazos	116	5	20	10		Water Supply	151		5	151	12	3	3	3	3	3	3	3
9.7	Somervell County Water Supply Project	Somervell County Water District	Somervell	Brazos	21,394		5	5		Water Supply	21,404			21,404	Variable	3	3	3	3	3	3	1
9.8	Trinity Basin Supplies to Middle Brazos	None	Freestone & Limestone	Trinity & Brazos	182		5			Water Supply	187			187	65	3	3	3	3	3	3	3
10.1	Lake Aquilla Storage Reallocation	BRA	Hill	Brazos						Reallocation		3,084	3,084		14	3	3	3	3	3	3	3
10.2	Lake Granger Storage Reallocation	BRA	Williamson	Brazos						Reallocation		4,159	4,159		25	3	3	3	3	3	3	3
10.3	Lake Whitney Reallocation	BRA	Hill & Bosque	Brazos						Reallocation		23,220	23,220		Variable	2	2	3	3	3	3	3
10.4	Lake Whitney Over-Drafting Supply with Off-Channel Reservoir	BRA	Bosque	Brazos	18	5				Reallocation	23		5	23	7	3	3	3	3	3	3	3
10.5	Millers Creek Reservoir Augmentation	North Central Texas MWA	Multiple	Multiple						Reallocation		2,541	2,541		44	2	2	3	3	2	3	3
11	Upper Basin Chloride Control Project	Salt Fork Water Quality Control District	Multiple	Brazos	103	5		10		Salinity Control	118		5	118	8	2	1	3	3	2	3	3
12	Brush Control	Multiple	Multiple	Multiple						Brush Control				48,792	9	3	2	3	2	3	3	3
13	Miscellaneous Strategies	Multiple	Multiple	Multiple						Miscellaneous				Variable	Variable	3	3	3	2	2	3	3

LEGEND					
Score	Impact	Environmental Water Needs	Wildlife Habitat (total acres impacted)	Threatened and Endangered Species	Cultural Resources (Reservoir Footprint Acres)
1	High	None	>10,000	>100	>1,000
2	Medium	Reuse, Surface Water	1,000 - 10,000	50 - 100	1 - 1,000
3	Low	Conservation, Groundwater	0 - 1,000	0-50	0

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