

Appendix A: List of reservoirs re-assessed and summary of results

Reservoir	Survey date	Method	Original published		Re-calculated		% difference		Boundary edited	Survey points edited	Notes
			Area (acres)	Total capacity (acre-feet)	Area (acres)	Total capacity (acre-feet)	Area (Re-calculated - Original published *100)	Total capacity (Re-calculated - Original published *100)			
Anahuac, Lake	2006-04	AEIDW	5,035	33,348	5,035	33,321	0.00	-0.08		✓	
Aquila Lake*	1995-10	AEIDW	3,266	45,962	3,266	47,152	0.00	2.59		✓	
Aquila Lake*	2002-04	AEIDW	3,020	45,319	3,074	45,834	1.79	1.14	✓	✓	
Arlington, Lake	1994-08	AEIDW	1,939	38,785	1,939	39,123	0.00	0.87		✓	
Arrowhead, Lake*	2001-06	AEIDW	14,969	235,997	14,978	238,523	0.06	1.07			
Athens, Lake	1998-02	AEIDW	1,799	29,475	1,799	29,426	0.00	-0.17			
Austin, Lake	1999-03	SSI	1,599	21,804	1,599	24,246	0.00	11.20			
BA Steinhagen Lake	2003-05	AEIDW	10,687	66,972	11,681	71,508	9.30	6.77		✓	
Bardwell Lake	1999-02	AEIDW	3,138	46,472	3,247	46,837	3.47	0.79			
Belton Lake	1994-09	AEIDW	12,385	434,500	12,360	446,505	-0.20	2.76	✓	✓	
Belton Lake	2003-05	AEIDW	12,135	435,225	12,359	446,031	1.85	2.48		✓	
Benbrook Lake	1998-01	AEIDW	3,635	85,648	3,635	86,253	0.00	0.71		✓	
Bob Sandlin, Lake*	1998-02	SSI	9,004	204,678	8,994	206,701	-0.11	0.99			
Bonham, Lake	2004-03	AEIDW	1,012	11,038	1,151	11,414	13.74	3.41			
Bridgeport, Lake*	2000-04	AEIDW	11,954	366,236	11,952	369,251	-0.02	0.82		✓	
Brownwood, Lake*	1997-04	AEIDW	6,587	131,429	6,924	135,192	5.12	2.86	✓		
Canyon Lake	2001-11	AEIDW	8,309	378,852	8,308	390,726	-0.01	3.13		✓	
Cedar Creek Reservoir	1995-03	AEIDW	32,623	637,180	32,556	642,569	-0.21	0.85		✓	
Cedar Creek Reservoir	2005-07	AEIDW	32,873	644,785	32,873	647,432	0.00	0.41			
Cherokee, Lake	1996-10	AEIDW	3,083	41,506	3,083	42,314	0.00	1.95			
Cherokee, Lake	2003-11	AEIDW	3,452	43,297	3,493	44,440	1.19	2.64			
Conroe, Lake*	1996-04	AEIDW	20,118	416,228	20,118	422,148	0.00	1.42		✓	
Corpus Christi Reservoir, Lake*	2002-01	AEIDW	18,286	257,260	18,766	262,564	2.62	2.06			
Crook, Lake	2003-06	AEIDW	1,060	9,210	1,060	9,407	0.00	2.14		✓	
Cypress Springs, Lake*	1998-04	AEIDW	3,461	67,690	3,461	69,038	0.00	1.99		✓	
E. V. Spence Reservoir	1999-07	AEIDW	14,640	512,272	15,381	530,879	5.06	3.63	✓		
Eagle Mountain Lake	2001-05	AEIDW	8,702	182,505	8,737	184,158	0.40	0.91	✓	✓	
Fairfield Lake	1999-05	AEIDW	2,159	44,169	2,160	45,217	0.05	2.37		✓	
Fork Reservoir, Lake*	2001-03	SSI	27,264	636,133	27,246	646,099	-0.07	1.57			
Fort Phantom Hill Reservoir	1993-11	AEIDW	4,213	70,036	4,213	72,419	0.00	3.40		✓	
Georgetown, Lake	1995-05	AEIDW	1,297	37,010	1,285	37,932	-0.93	2.49	✓	✓	
Georgetown, Lake	2005-05	AEIDW	1,287	36,904	1,287	38,582	0.00	4.55			
Gladewater, Lake	2000-02	AEIDW	481	4,738	481	5,085	0.00	7.32		✓	
Graham, Lake	1998-04	AEIDW	2,444	45,302	2,444	46,825	0.00	3.36			
Granbury, Lake	1993-10	AEIDW	8,310	136,823	8,274	143,381	-0.43	4.79	✓		Results at elevation 693.0 feet
Granbury, Lake	2003-07	AEIDW	7,945	129,011	7,924	136,447	-0.26	5.76	✓	✓	Results at elevation 693.0 feet
Granger Lake*	1995-10	AEIDW	4,009	54,280	4,009	54,873	0.00	1.09			
Granger Lake*	2002-04	AEIDW	4,064	52,525	4,173	53,263	2.68	1.41			
Grapevine Lake	2002-05	AEIDW	6,893	164,703	6,807	166,779	-1.25	1.26			
Gulf Coast Water Authority Reservoir	2004-07	AEIDW	859	7,360	859	7,470	0.00	1.49		✓	
Halbert, Lake	1999-02	AEIDW	603	6,033	603	6,202	0.00	2.80			
Houston County Lake	1999-01	AEIDW	1,330	17,665	1,330	18,168	0.00	2.85			
Houston, Lake*	1994-02	AEIDW	11,854	133,990	11,800	136,920	-0.46	2.19		✓	
Hubbard Creek Reservoir	1997-02	AEIDW	14,922	324,983	14,956	329,807	0.23	1.48			
Hubert H. Moss Lake	1999-05	AEIDW	1,140	24,155	1,140	25,099	0.00	3.91			
J. B. Thomas, Lake	1999-11	AEIDW	7,282	200,604	7,307	204,116	0.34	1.75		✓	
Kemp, Lake	2006-03	AEIDW	15,357	245,434	15,354	246,598	-0.02	0.47	✓	✓	
Kickapoo, Lake*	2001-04	AEIDW	6,028	85,825	6,028	87,238	0.00	1.65			
Kurth, Lake	1996-12	AEIDW	726	14,769	726	14,791	0.00	0.15			
Lady Bird Lake	1999-03	SSI	469	6,596	470	6,990	0.21	5.97			
Limestone, Lake*	1993-05	AEIDW	13,379	215,751	13,379	217,572	0.00	0.84		✓	
Limestone, Lake*	2002-04	AEIDW	12,553	208,017	12,553	210,560	0.00	1.22			

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Martin Lake	1999-05	AEIDW	4,981	75,116	4,960	76,624	-0.42	2.01	✓	✓	
Medina Lake	1995-07	AEIDW	6,066	254,823	6,062	260,268	-0.07	2.14		✓	
Meredith, Lake	1995-06	AEIDW	16,411	817,970	16,599	833,037	1.15	1.84			Cubic spline interpolation used
Mexia, Lake	1996-05	AEIDW	1,048	4,806	1,048	4,793	0.00	-0.27		✓	
Monticello, Lake	1998-02	AEIDW	2,001	34,740	1,999	35,203	-0.10	1.33			
Murvaul, Lake	1998-11	SSI	3,507	38,284	3,518	39,131	0.31	2.21			
Nacogdoches, Lake	1994-03	AEIDW	2,212	39,523	2,212	39,930	0.00	1.03		✓	
New Terrell City Lake	1997-05	AEIDW	849	8,594	850	8,596	0.12	0.02			
Nocona, Lake	2001-07	AEIDW	1,362	21,749	1,362	22,105	0.00	1.64			
O' The Pines, Lake*	1998-11	SSI	16,919	241,081	17,775	246,863	5.06	2.40			
Palestine, Lake*	2003-06	AEIDW	22,656	373,202	22,695	378,488	0.17	1.42			
Pat Cleburne Lake	1998-01	AEIDW	1,558	25,730	1,558	26,029	0.00	1.16			
Poosum Kingdom Lake	1994-06	AEIDW	17,624	556,220	16,713	556,291	-5.17	0.01		✓	Results at elevation 1,000.0 feet
Poosum Kingdom Lake	2005-01	AEIDW	16,716	540,340	16,713	558,489	-0.02	3.36		✓	Results at elevation 1,000.0 feet
Proctor Lake*	1993-12	AEIDW	4,761	55,588	4,728	56,651	-0.69	1.91		✓	
Proctor Lake*	2002-07	AEIDW	4,537	55,457	4,652	57,426	2.53	3.55		✓	
Ray Hubbard, Lake	2005-05	AEIDW	20,963	452,040	20,963	455,129	0.00	0.68	✓	✓	
Richland-Chambers Reservoir	1994-12	AEIDW	45,365	1,137,204	45,365	1,137,204	0.00	0.00			Values from 309.0 to 315.0 feet from (Blaylock, 2003)
Sam Rayburn Reservoir	2004-04	AEIDW	112,590	2,876,033	114,328	2,900,850	1.54	0.86			Cubic spline interpolation used
Somerville Lake*	1995-11	AEIDW	11,456	155,062	11,456	156,626	0.00	1.01		✓	
Somerville Lake*	2003-07	AEIDW	11,555	147,104	11,352	149,260	-1.76	1.47		✓	
Squaw Creek Reservoir*	1997-05	SSI	3,297	151,418	3,297	150,545	0.00	-0.58		✓	Total reservoir capacity includes Safe Shutdown Impoundment
Stamford, Lake	1999-08	AEIDW	5,124	51,573	5,111	51,871	-0.25	0.58		✓	Cubic spline interpolation used
Stillhouse Hollow Lake	1995-05	AEIDW	6,429	226,063	6,429	231,050	0.00	2.21		✓	
Stillhouse Hollow Lake	2005-05	AEIDW	6,484	227,825	6,484	232,807	0.00	2.19		✓	
Striker, Lake	1996-12	AEIDW	1,920	22,865	1,920	23,094	0.00	1.00			
Tawakoni, Lake*	1997-04	SSI	37,879	888,137	38,054	889,489	0.46	0.15			
Texana, Lake*	2000-08	SSI	9,727	161,085	9,488	162,694	-2.46	1.00			
Texoma, Lake	2002-07	AEIDW	74,686	2,516,232	75,056	2,531,221	0.50	0.60	✓	✓	
Tyler, Lake*	1997-06	AEIDW	4,734	80,103	4,940	83,443	4.35	4.17	✓		
Waco Lake*	1995-01	AEIDW	7,194	144,830	7,193	145,571	-0.01	0.51			Results at elevation 455.0 feet
Waxahachie, Lake	2000-07	AEIDW	656	11,386	656	11,572	0.00	1.63			
Weatherford, Lake	1998-04	AEIDW	1,158	18,714	1,158	18,792	0.00	0.42			
Welsh Reservoir	2001-11	AEIDW	1,269	20,242	1,205	20,574	-5.04	1.64	✓	✓	Re-calculated area does not include discharge channel area of approx. 52 acres
Whitney, Lake	2005-06	AEIDW	23,220	554,203	23,220	566,162	0.00	2.16	✓	✓	
Wright Patman Lake*	1997-01	SSI	20,143	122,640	18,828	115,638	-6.53	-5.71	✓	✓	Results at elevation 220.6 feet

*Previously published results differ from those presented here because the area curves have been adjusted to account for flat triangles