No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (firm yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Source	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Factors (C & D)
1	No	Alan Plummer Associates, Inc.	Draft of Lake Lavon Water Quality Assessment Program	1989	North Texas Municipal Water District																					
2	Yes	Alan Plummer Associates, Inc.	Northeast Tarrant County Regional Water Supply Planning Report	1995	Fort Worth Water Department																					
3	Yes	Bauer, J., R. Frye, and B. Spain OR Resource Protection Division - Texas	A Natural Resource Survey for Proposed Reservoir Sites and Selected Stream Segments in Texas	1991	Texas Parks and Wildlife Department, Texas Water Development Board	Planning	State of Texas	Toledo Bend	Area to be Inundated, Land use of Inundated Area, Mitigation Requirements	An assessment of potential impacts to natural resources that could result from new reservoir development.	Lists Big Sandy as a new water supply (reservoir) in the Sabine River Basin; No reference to Toledo Bend	To survey river basins and perform an investigative assessment of proposed reservoir sites from the 1990 Texas Water Plan. To synthesize existing TPWD data and to provide better information to assist in managing current water resources and planning for future water development projects.	Toledo Bend Reservoir stream segment is designated Code E – Protected Species (fish species). Stream segment SB-S2 North Toledo Bend Wildlife Management Area has acquisition/mitigation requirements due to a wetland acquisition development project.	n/a	surface	n/a	n/a	n/a	planning	In reference lists for both 2001 and 2006 Region C Water Plans	n/a	n/a	n/a	Endangered/ Threatened species exist in Toledo Bend Reservoir	n/a	n/a
4	Yes	Black and Veatch	Report on Water Service Policy Considerations	1987	Tarrant County Water Control and Improvement District Number One																					
5	Yes	Brown & Root, Inc.	Yield Study Toledo Bend Reservoir	1991	Sabine River Authority of Texas and Sabine River Authority of Louisiana	Technical	Toledo Bend	Toledo Bend	Water Balance Analysis: Calculations, Water Yield	Update (new modeling) of firm yield calculations for Toledo Bend.	Toledo Bend	Define and refine firm yield calculations (previous firm yield study conducted in 1959). Used operating rules to simulate Toledo Bend operation, assuming that reservoir used exclusively for water conservation—study neglected water used for hydroelectric power production. Existing reservoirs and fully utilized water rights through the end of 1989 were included.	Firm yield is 2,086,600 ac-ft/yr; critical drought of simulation period (January 1, 1940 to December 31, 2989) occurred from May 1862 to March 1969, with lowest lake level in December 1967.	2, 086,000 ac-ft/yr total from Toledo Bend (1/2 for Texas). Study neglected water used for electric power generation and states that "this use does not affect the quantity available for water supply purposes.	surface	n/a	n/a	n/a	Engineering	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	Yes	Brown and Root Services, R.J. Brandes Company, and Crespo Consulting Services	Water Availability Modeling for the Sabine River Basin	2001	Texas Natural Resource Conservation Commission (now TCEQ)	Technical	Sabine River Basin	Toledo Bend	Water balance Analysis: Calculations, Water Availability Model, Water Rights, Water Reuse	Scenario modeling to simulate effects of extended dry periods on available water, water rights cancellation, and municipal/industrial reuse for the Sabine River Basin.	n/a	Determine the: • Projected amount of water available for all water rights during extended dry periods • Projected amount of water that would be available if cancellation procedures were instigated under the provisions of Subchapter E, Chapter 11, of the Texas Water Code. • Potential impact of reusing municipal and industrial effluent on existing water rights, instream uses, and freshwater inflows to bays and estuaries.	(See page v and Table ES-4.) The conclusions of this water availability study are as follows: • The Sabine River Basin, located in southeastern Texas, drains an area of approximately 9,756 square miles. There are a total of 183 Texas water rights simulated with authorized annual diversions totaling 1,886,424 ac-ft/yr. • Shortages occur frequently for a number of water rights; but the vast majority of these rights are located in the upper reaches of tributaries where streamflows are limited. • Comparisons of	Toledo Bend- Texas = 750,000 ac-ft/yr (study examined availability of existing water rights/increase in availability if some rights cancelled. 750,000 ac-ft/yr is total water rights allocation for Texas from Toledo Bend).	surface	n/a	n/a	n/a	planning								
7	No	Brune, Gunnar	Springs of Texas, Volume 1	1981	Branch-Smith, Inc.																					
8	No	Brune, Gunnar	Texas Water Development Board Report 189 Major and Historical Springs of Texas	1975	Texas Water Development Board																					
9	Yes	Caddo Lake Institute	The State of Texas Clean Rivers Program, Targeted Monitoring in the Cypress Basin: Nutrient Study In Lake O' The Pines, Final Report.	2000	TCEQ	Technical	Cypress Creek Basin	LOP	Water Quality	Water Quality	None	Water Quality	None	None	Surface	none provided	NETMWD	None	Engineering	NTMWD, DWU	None	Low DO	IBT	N/A	Transmission, env. Flows	None
10	No	CH2M Hill	DWU Reclaimed Water Study	1993																						
11	Yes	CH2M Hill	Long-Range Water Demand Forecasts	1984	Dallas Water Utilities Service Area																					
12	Yes	CH2M Hill	Preliminary Engineering Design for a Lake Texoma Surface Water Supply System	1986	Greater Texoma Utility Authority, Dallas																					
13	Yes	Chiang, Patel and Yerby, Inc	Draft 2005 Update to the City of Dallas Long Range Water Supply Plan	2005	Dallas Water Utilities	Long Range Water Supply Plan	Dallas	Lake Texoma	Lake Texoma Water Supply & Diversion, Oklahoma Water Diversion	Water Use Plan	Looks at Two Lake Texoma Alternatives, Pretreatment and Discharge to Ray Roberts Lake (Option A), and Fully Treated Water to Elm Fork Clearwell (Option B). Also looks at Water Supply from Oklahoma via Red River to Lake Lavon or Ray Roberts Lake	To Rank the water supply options available to Dallas Water Utilities and make recommendations.	Lake Texoma water supply options for DWU for Pretreatment and Discharge to Ray Roberts Lake (Option A) and Fully Treated water to Elm Fork Clearwell (Option B) were ranked 21 and 15 respectively. The higher costs and permitting issues seem to leave these options off the recommendation list.	Report states that 268 mgd (300,000 acft/yr) of Lake Texoma Water is allocated to municipal water supply in Texas. 187.7 mgd(210,000 acft/yr) is permitted or otherwise allocated to other agencies, leaving 80.3 mgd(90,000 acft/yr) potentially available to Dallas. In the cost estimate, a capacity of 120 mgd peak and 100 mgd ave is used for option A. Option B shows a peak raw water capacity of 96 mgd and 80 mgd ave.	Report also mentions buying water from the State of Oklahoma, but this would be water in the Red River, not water permitted to Oklahoma from Lake Texoma. Buying Lake Texoma water that is permitted to Oklahoma is not discussed.	Option A had an estimated cost of $1.48/1000 gal and Option B had a cost of $1.17/1000 gal.	This report focuses on water supply for DWU.	N/A	Broad water supply study.	N/A	N/A	Lake Texoma	The report mentions the permit modifications that would need to take place. TCEQ would have to issue new water rights permit as well as a new interbasin transfer permit. USACE would also have to issue a new permit for water conveyance. DWU would have to enter into contract to purchase the raw water from the USACE and would also have to enter into a contract to pass the diverted water through Ray Roberts Lake and Lewisville	"Conveyance pipelines would have to traverse some wetlands in North Texas. These areas will be disturbed during construction."	N/A	N/A
14	Yes	Chiang, Patel and Yerby, Inc.	Draft 2005 Update to the City of Dallas Long Range Water Supply Plan	2005	Dallas Water Utilities	Planning	Dallas	Lake Wright Patman	Summary of other studies	Update water supply needs and available supplies to Dallas Water Utilities through year 2060	Multiple alternatives, including Toledo Bend, Lake of the Pines, Lake Texoma, Wright Patman, and others	Recommendations on future implementation and sequencing of alternatives to meet interim and year 2060 demands.	1) Purchase water from Texarkana, 2) Purchase and Divert water from Wright Patman Lake - Flood Pool Reallocation, 3) Purchase and Divert water from Wright Patman Lake - System Operation, 4) Purchase and Divert water from Wright Patman Lake - Cooperative Project	112,100 acre-feet per year	Surface	Page 7-26, Table 7.30: 116 MGD, $562.5 million capital cost, $1.58 per 1,000 gal, 30-yr cost, $1.19 per 1,000 gal, 50-yr cost (No mention of TWDB standard)	1-DWU	N/A	Planning	2006 Region C Water Plan, Page 4E.7	N/A	N/A	TCEQ - New permit required for water rights, TCEQ - New permit required for interbasin transfer, USACE - New permit required for conveyance and reservoir changes and 404 Permit	Environmental issues - Inundation, mitigation, Wetlands.	N/A	N/A
15	Yes	Chiang, Patel and Yerby, Inc.	Draft 2005 Update to the City of Dallas Long Range Water Supply Plan	2005	Dallas Water Utilities	Planning	Dallas	Toledo Bend	Calculations, Summary of Other Work	Update water supply needs and available supplies through 2060	26 alternatives, including Toledo Bend, Lake of the Pines, Lake Texoma, Wright Patman, and others	Develop recommendations on future implementation and sequencing of alternatives to meet interim and 2060 demands.	100 MGD supply from Fastrill or Toledo Bend by 2045, as one of 11 recommended strategies	Recommended diverting 100 MGD (112,000 ac-ft/yr) from Toledo Bend or Fastrill by 2045 or 2050 to DWU raw water system. Total yield of Toledo Bend reported as 1,500,000 ac-ft/yr. (No documentation of yield calculations provided)	surface	no mention of TWDB standard. Pg 8-2, 2 options for Toledo Bend: Option A--179 MG, $1,715.4 million capital cost, $1.74 per 1,000 gal, 50-yr cost Option B-89 MGD, $475.7 million capital cost, $1.23 per 1,000 gal 50-yr cost	4-DWU and SRA for one option, or cooperative project with NTMWD and TRWD. (Note: the report is inconsistent with naming, descriptions and participants of the two options)	none	planning	2006 Region C Water Plan	existing supply and water right permit	none mentioned	Interbasin Transfer, U.S. Army Corps of Engineers 404 Permit for Conveyance	Low. No new area inundated, minimal mitigation area (pg 8-8), potential instream flow impacts, and clearing of wooded areas along pipe routes.	Convey to and operated with Lake Fork or Lake Palestine	none mentioned
16	No	Chiang, Patel, and Yerby, Inc.	2000 Update Long Range Water Supply Plan	2000	Dallas Water Utilities																					
17	Yes	City of Denton Water Utilities	Water Supply Planning for Denton; The Past, Present, and Future, presentation given by City of Denton Water Utilities to the Denton City Council	2003	City of Denton	Technical	Denton	Lake Ray Roberts	Water, Wastewater and Solid Waste Planning	Water, Wastewater and Solid Waste Planning	N/A	The objective of the report is to provide planning for water, wastewater and solid waste needs of City of Denton till 2050	With the construction of the City of Denton's share of the Lake Ray Robert's water supply project and the new Lake Ray Roberts Water Treatment Plant (LRRWTP), the city will have adequate water supply and treatment capacity to meet projected growth needs through the next ten years. The new water plant will have a capacity of 20 MGD, with a capability to expand to 50 MGD. The new facility includes a high service pump station and a 54'' treated water transmission line that has sufficient capacity to support the 50	50 MGD	Surface Water, Lake Ray Roberts	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	Yes	Clower, T. L. and B. L. Weinstein	The Economic, Fiscal, and Developmental Impacts of the Proposed Lower Bois d' Arc Reservoir Project	1986	North Texas Municipal Water District																					
19	No	Dannenbaum Engineering Corp. and Gutierrez, Smouse, Wilmut & Associates, Inc.	Lake Palestine, Dallas Water Utilities, Utilization and Pipeline Right of Way Study	1989																						
20	Yes	Drumm, Ann	Water Planning Policy Considerations	2002	Region C Water Planning Group	Opinion Paper	None	None	Policy	Water Supply	None	Philosophy of water policy-making	Soft versus hard path, centralized infrastructure, dams, reservoirs versus extensive investment in decentralized infrastructure, decentralized facilities.	None	none	none provided	None	none	Engineering	None	None	None	None	None	None	None	None
21	Yes	Drumm, Ann	Water Supply Planning Considerations, provided to the Region C Water Planning Group, October 14, 2002	2002	Region C Water Planning Group	Technical	N/A	N/A	Water Planning Policy	Water Planning Policy	N/A	The report provides a look into "the soft path for Water" for evaluating water projects (Dams)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22	Yes	Dunkin, Sefko & Associates, Inc.	Section Nine: Future Land Use Plan, Comprehensive Plan	2000	City of Crandall, City of Combine, and Crandall Independent School District																					
23	No	Engineering Advisory Committee to the Red River Compact Commission	Report of the Engineering Advisory Committee to the Red River Compact Commission	1970	Red River Compact Commission																					
24	Yes	EPA	Report on Lake O' The Pines Camp Marion, Morris, and Upshur Counties Texas, EPA Region VI	1977	NETMWD	Technical	Cypress Creek Basin	LOP	Water Supply	Water Supply	None	Water Quality	None	None	Surface	none provided	NETMWD	None	Engineering	None	None	Low DO	IBT	N/A	Transmission, env. Flows	None

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (firm yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Source	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Options (A, C & D)
25	Dallas	Espey Consultants, Inc.	Reallocation of Storage in Federal Reservoirs for Future Water Supply	2006	Texas Water Development Board	Technical	Statewide	All Federal Lakes	Water Supply	Reallocation of Storage	All Federal Lakes	Evaluate the potential for reallocation of federal storage in Texas to water Supply	Reallocation of USACE reservoirs can provide an effective use of water by converting storage to additional water supply. Every reservoir has its own defining characteristics in terms of environmental impacts, reservoir storage use, downstream flooding risks and cost associated with reallocation. Entities evaluating reallocation of federal reservoir must work closely with the USACE, state agencies and officials to meet all of the state and federal requirements as outlined in this report. Reallocation of	Lake Wright Patman: Current:- Elevation at top of conservation (228.6) - Dependable Yield = 242,991 ac-ft per year. USACE Maximum Reallocation Authority:- Elevation at top of conservation (230.0) - Dependable Yield = 304,374 ac-ft per year	Surface	N/A	N/A	N/A	Engineering	N/A	N/A	N/A	N/A	N/A	N/A	N/A
26	Yes	Espey Consulting, Inc., PBS&J, Halff Associates, Inc., Crespo Consulting Services, Inc., and CivilTech Engineering, Inc.:	Water Availability Models for the Red and Canadian River Basins	2002	Texas Natural Resource Conservation Commission	Water Availability Model	Red and Canadian River Basin	Lake Texoma	Water availability in the Red River Basin	Red and Canadian River Basin	Lake Texoma Water	Determine the water availability in the Red and Canadian River Basins in different scenarios	Although there were 24 major reservoirs in the Red River Basin that were included in the firm yield analysis, only Moss Lake, Lake Texoma, and Sanat Rose Lake met their diversion targets during the critical period. Therefore, these three reservoirs have "permitted firm yields" equal to their authorized diversion amounts.	Lake Texoma has an estimated firm yield of 932,950 ac-ft/yr; however, no infrastructure is currently in place to enable significant use of the available water. Recent information from the Tulsa District Office indicates the lake's firm yield is 150 mgd or 168,000 ac-ft/yr.	Water from Lake Texoma is an option. Study notes that saline water originating from the Upper and Middle Red River Basins is a problem.	Study does not detail a cost estimate for Lake Texoma water.	Study does not identify entities to develop the water source.	N/A	Broad water availability study	N/A	Study mentions that there is no infrastructure in place to enable significant use of the available water.	Lake Texoma	Study has an appendix F that describes some water rights issues and how they were modeled with respect to the program.	N/A	N/A	N/A
27	Yes	Espey, Huston & Associates, Inc., Chiang, Patel and Associates, Inc., and Hutchison, Price, Boyle and Brooks	Denton County Water and Wastewater Study Regional Master Plan for the Year 2010, prepared for the Denton County Commissioners Court, Dallas	1988	Denton County Commissioners Court, Dallas																					
28		F&N	Sulphur River Basin Reservoir Study Summary	2000	NTMWD and TRWD	Planning, Evaluation	Sulphur River Basin	Marvin Nichols	Water Balance Analysis, Calculations	Identification of possible alternate sources and viability in terms cost, advantages, and concerns	Yes. George Parkhouse 1 & 2 and Marvin Nichols 1 & 2	Analysis of proposed reservoir sites, review yields, refine opinions of costs, examine water quality, and review environmental issues. Analysis of conflicts	1) Comparing the overall project costs (excluding the conflict costs) with the estimated firm yield of the reservoirs, the MN-1 and MN-1A sites have a lower unit cost per acre-foot per year of firm yield than any of the other sites. 2) Recommended: MN-1 or MN-1A. Detailed cost analysis needed to decide between these two sites. 3) Conflict cost was calculated as follows: MN-1 = $35,607,959, MN-1A = $52,688,415, MN-2A=$26,262,838, GP-2=$12,337,719, and GP-3=$37,657,296.	No	Surface	Yes					lower unit cost per acre-foot per year of firm yield than any of the other sites					
29		F&N	Sulphur River Basin: Hydrologic and Hydraulic Models	2008	Sulphur River Basin Group	Technical	Sulphur River Basin	Marvin Nichols																		
31	No	Forrest and Cotton, Inc.	Report on Water Supply, Treatment and Transmission Facilities to Meet Estimated 1980 Demands	1964	North Texas Municipal Water District																					
32	Yes	Freeman-Millican, Inc	Environmental Assessment for Cities of Howe, Van Alstyne, Anna, and Melissa Surface Water Supply Project	2003	Greater Texoma Utility Authority	Technical	City of Howe, Can Alstyne, Anna and Melissa	N/A	Environmental Assessment of water supply projects	Environmental Assessment of water supply projects	N/A	The study provides an assessment of the various water supply projects in these four cities.	The report provides detailed analysis, cost summary, affect of various components of projects on the environment. Provides wetland delineation for the pipelines.	N/A	Surface Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	Yes	Freeman-Millican, Inc.	Surface Water Supply to Howe, Van Alstyne, Anna, and Melissa, feasibility report	2004	Greater Texoma Utility Authority	Technical	City of Howe, Can Alstyne, Anna and Melissa	N/A	Feasibility Study	Feasibility Study	N/A	Purpose of this report is to find out whether surface water could be brought into these communities at a reasonable cost	1) Since ground water will not meet the long term water supply and demands, the communities in southern Grayson County and northern Collin County should develop water supply system. Water transmission line should be constructed between McKinney and Howe. The water line ultimately should be extended to Sherman and be connected to the NTMWD second delivery point.	2.5MGD	Surface Water supply transmission construction	$2.2 Million	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	Yes	Frees and Nichols, Inc.	2001 Region C Water Plan	2001	Freese and Nichols, Inc., Alan Plummer Associates, Inc., Chiang, Patel & Yerby, Inc., and Cooksey Communications, Inc	Technical	Region C	Lake O' The Pines	Water Supply	Region wide		Regional Water Supply Study	Chapter 5		Surface, Groundwater	none provided	Regionwide							IBT, Water Rights	Limited			
35	Yes	Freese & Nichols	Toledo Bend Group Summary Report on Alternatives 9 and 10	2003	Toledo Bend Group	Planning	Toledo Bend	Toledo Bend	Calculations, Summary of Other Work	Summary of alternative for providing Toledo Bend to Metroplex	Toledo Bend	Revise population, water use and demand projections; describe final two alternatives (based on delivery) and summarize cost	Projected higher demand by 550,000 ac-ft/yr by 2050. Alternative 9: 600,000 ac-ft/yr to metroplex, cost $3.2 billion, average unit cost (2007-2011) = $0.567; Alternative 10: 1,000,000 ac-ft/yr to metroplex, cost $4.05 billion, average unit cost = $0.602. No inflation, no raw water cost.	not provided	surface	Alternative 9: 600,000 ac-ft/yr to metroplex, cost $3.2 billion, average unit cost (2007-2011) = $0.567; Alternative 10: 1,000,000 ac-ft/yr to metroplex, cost $4.05 billion, average unit cost = $0.602. No inflation, no raw water cost.	4-SRA, DWU, NTMWD, TRWD	n/a	planning	Possible reference for 2006 Region C Water Plan and Region I Water Plan	Existing reservoir, known yield	none provided	none mentioned in report	none mentioned in report	Water from Lake Fork delivered by 2007 for DWU; TRWD through Cedar Creek; DWU and NTMWD through Lake Fork	none mentioned
36	Yes	Freese & Nichols, APAI, CP&Y, Cooksey Communications, Inc.	2001 Region C Water Plan	2001	Region C Water Planning Group	Planning	Region C	Toledo Bend	Socio-economic Impacts, Water Supply, Environmental Impacts, Cost of Water Supply, Inter-Basin transfers, Water Demand	First Region C Water Plan - 2001	Toledo Bend – considered, but didn't make final list for further study.; A list of management strategies is listed in Section 5. See p. 5.18 for existing and potential reservoirs for water supply. See p. 5.20 for final list of reservoirs and Table 5.4 for list of eliminated reservoirs and reasons why.	To summarize current water uses and demand centers, water providers and current sources and constraints of water supply for Region C. To develop population and water demand projections.	The sources of supply for Region C in 2050 include: •1,138,000 acre-feet per year (56%) from in-region reservours •181,000 acre-feet per year (9%) from groundwater •70,000 acre-feet per year (3%) from local supplies •82,000 acre-feet per year (4%) from reuse •552,000 acre-feet per year (28%) from imports from other regions The projected supply of water is significantly less than the projected use for 2050. The most significant potential threats to existing water supplies in Region C are surface water	n/a	n/a	n/a	n/a	n/a	planning	n/a	n/a	n/a	n/a	•Inundation of wetlands and other wildlife habitat, including bottomland hardwoods •Changes to streamflows and streamflow patterns downstream •Impacts on inflows to bays and estuaries •Impacts on threatened and endangered species	n/a	n/a
37	Yes	Freese & Nichols; APAI, CP&Y, Cooksey Communications, Inc.	2006 Region C Water Plan	2006	Region C Water Planning Group	Planning	Region C and surrounding areas	Toledo Bend	Summary of Other Work, Water Conservation, Water Supply, Environmental Impacts, Inter-Basin Transfers, Costs of Water Supply, Water Demand	Regional Water Supply Planning	Numerous; includes Toledo Bend	Population and water demand projections; analysis of current supplies, evaluation of water management strategies, recommendations, impacts of strategies, water conservation and drought management	Projected shortage for the region in 2060 is 1.9 million ac-ft/yr. Recommended strategies include 400,000 ac-ft/yr from Toledo Bend.	Reported approx. 1,000,000 ac-ft/yr for Texas and same amount for Louisiana. SRA-TX holds 750,000 ac-ft/yr water right and is seeking right to divert additional 293,300 ac-ft/yr. Maximum supply available to Region C is 600,000 ac-ft/yr (Section 4D.1). From Section 4E: Recommend strategy NTMWD 200,000 ac-ft/yr and 200,000 ac-ft/yr for TRWD (and 100,000 for Upper Sabine, Region D). Toledo Bend is an alternate strategy for DWU and UTRWD.	surface	TWDB Standard cost estimate Capital Cost: $2,428,789,000 (Region C share) $1.92 billion for recommended strategy $1.50 per 1000 gallons (pre-amortization) $0.60 per 1000 gallons (post-amortization)	5-DWU, NTMWD, SRA, TRWD, UTRWD	n/a	planning	n/a	high reliability, good consistency, few problems with key water quality parameters	not mentioned	inter-basin transfer	Regarded as median - low impact, impacts considered limited since Toledo Bend is an existing source.	Delivery of 100,000 ac-ft/yr to Upper Sabine. Medium to low water quality impact expected for transfer of Toledo Bend water to Lake Fork	none mentioned
38	Yes	Freese & Nichols; APAI, CP&Y, Cooksey Communications, Inc.	Addendum to Region C Water Plan	2001	Region C Water Planning Group	Planning	Region C	Marvin Nichols, Lake Texoma	Water Yield, Water Supply	Addendum to 2001 Region C Water Plan	None discussed	To document and respond to comments from TWDB regarding the 2001 Region C Water Plan. To correct internal inconsistencies and make the plan consistent with TWDB regulations and the results of plans from other regions.	Questions, comments and discrepancies from 2001 report were corrected and included in this addendum along with additional figures, tables and information requested from TWDB.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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39	Yes	Freese and Nichols Inc., Alan Plummer Associates Inc., Chiang Patel and Yerby Inc., Cooksey Communications	2001 Region C Water Plan	2001	Texas Water Development Board	Planning	Region C Water Planning Area, Texas	Lake Texoma	Water Availability, use, and planning	Planning for Region C Water Needs	Multiple	Provide a regional water plan for 16 Counties in North Central Texas to the year 2060.	The 2006 Region C water plan recommends use of 285,471 acre feet per year of water from Lake Texoma by the year 2060. The plan also discusses the possibility of an additional 220,000 acre feet per year from Lake Texoma which would require authorization by the U.S. Congress from hydropower storage to water supply. The 2006 plan also assumes that any past or future Lake Texoma water supply allocations for Oklahoma is unavailable for use in Texas.	Lake Texoma has a Firm Yield of 1,088,500 acre feet per year (conservation storage) for hydropower and water supply.	Surface	Costs are provided for recommended alternatives	DWU, NTMWD, TRWD, UTRWD	USACE 2005 Draft Environmental Assessment	Planning	Yes	N/A	Lake Texoma requires blending or desalination	Reallocation of hydropower to water supply would require authorization by the U.S. Congress	N/A	N/A	N/A
40	Yes	Freese and Nichols Inc., Alan Plummer Associates Inc., Chiang Patel and Yerby Inc., Cooksey Communications	2006 Region C Water Plan	2006	Texas Water Development Board	Planning	Region C Water Planning Area, Texas	Lake Texoma	Water Availability, use, and planning	Planning for Region C Water Needs	Multiple	Provide a regional water plan for 16 Counties in North Central Texas to the year 2060.	The 2001 Region C water plan is referenced by the 2006 Region C water plan when discussing available water from Lake Texoma. The 2001 plan provides some more details on the planned use of TCEQ water diversion permits from Texoma.	N/A	N/A	N/A	N/A	2006 Region C Water Plan	Planning	Yes	N/A	N/A	N/A	N/A	N/A	N/A
41	Yes	Freese and Nichols, Inc	A Survey Report and Environmental Statement on the Study of Lake Texoma, Red River, Oklahoma, and Texas, Tulsa	1981	U.S. Army Corps of Engineers	Technical	Denison Dam - Lake Texoma	Lake Texoma	Environmental Impact Assessment, Survey, Water Availability, Hydroelectricity, Sediment Control	Environmental Impact Assessment, Survey, Water Availability, Hydroelectricity, Sediment Control	N/A	The purpose of the study is to determine whether it would be advisable to modify the existing project, giving consideration to future water resource needs of the area with respect to irrigation, municipal and industrial water supply, pump-back hydroelectric power, sediment control, and other purposes of flood control, power improving navigation, regulation of flow on the Red River, and water supply for which Denison project is being operated and maintained.	The study determined a need for: retention of present flood control capabilities, addition of hydropower capability, identification of storage with dependable yield to satisfy preset water supply contracts and Congressional authorizations, provision for storage for irrigation, addition of recreation facilities, preservation of existing fish and wildlife habitat, and recovery of endangered cultural resources. Convert 83,994 Acre-Feet of power storage to yield 64.6 mgd for municipal and	64.9 MGD	Surface Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
42	Yes	Freese and Nichols, Inc	Basic Perspective on Water Resource Potential of the Cypress Creek Basin	1977	Northeast Texas Municipal Water District	Technical	Cypress Creek Basin	Lake O' The Pines, Bob Sandlin, Lake Cypress Springs, Monticello, Walsh, Ellison, Johnson	Water Supply	Cypress Basin	Proposed Marshall Reservoir on Little Cypress Creek & Black Cypress Reservoir on Black Cypress Creek	To review the long-range water resource potential of the Texas portion of the Cypress Creek basin, evaluating (a) the dependable yield made available by existing reservoirs and (b) the probable additional yield obtainable from optimum development of the basin.	Existing water conservation development on Big Cypress Creek and tributary streams represents approximately one third of the long-range potential of the Cypress Basin. Of the three principal sub-watersheds, only Big Cypress Creek above Lake O' The Pines has so far been used as a source of surface water supply to any significant extent. Both the Little Cypress Creek watershed and the Black Cypress Creek watershed are at present without conservation storage reservoirs, and most of their runoff flows out of Texas unused.	245,300 acre-feet per year	Surface	none provided	1. Marshall Reservoir project on Little Cypress Creek 2. Black Cypress Reservoir on Black Cypress Creek, Neither were ever developed	Red River Compact Commission Report of the Engineering Advisory Committee to the Red River compact Commission June 1970; Texas Water Development Board Continuing Water Resources Planning and Development for Texas Volume 2, May 1977; Texas Water Development Board, The Texas Water Plan November 1968; US Department of the Interior, Water Resource Data for Texas Part One - Surface Water Records published	Red River Compact Commission Report of the Engineering Advisory Committee to the Red River compact Commission June 1970; Texas Water Development Board Continuing Water Resources Planning and Development for Texas Volume 2, May 1977; Texas Water Development Board, The Texas Water Plan November 1968; US Department of the Interior, Water Resource Data for Texas Part One - Surface Water Records published annually; Freese	Does not make specific recommendations, states that water is currently (1977) available and its likely that the water will become less available as the water requirements in the State of Texas increase	not addressed	not addressed - only discussed volume available	not addressed	not addressed	not addressed	not addressed
43	Yes	Freese and Nichols, Inc	Lake O' The Pines/Cypress Basin Water Supply Study	2003	Northeast Texas Municipal Water District	Technical	Cypress Creek Basin	Lake O' The Pines	Water Transition, Water Supply	Cypress Basin	Cypress Basin	Evaluate the quantity of water available to the NTMWD from the Cypress Basin and to determine the size, location, and the cost of facilities that would be required to transit Cypress Basin raw water to the NTMWD system. Also to determine the impact of raw water delivery on the timing of NTMWD distribution system improvements and water treatment plant expansions and/or new water treatment plant construction.	The total estimated project costs for the most expensive option and least expensive option shown in Table 8-1 are within 2.4% of each other. Therefore the cost differences between the routs are not significant, and the route with the most potential benefits to the NTMWD should be chosen. Its is recommended that the NTMWD pursue the LOTP North Route B and construct a new North WTP by 2010. The demands for the North System Customers are growing faster than those for the South System customers because much of	Quantity that may be available is 87,900 acre-feet per year based on; 20,000 from Lake Bob Sandlin, 61,900 from Lake O' The Pines, and 6,000 from Lake Cypress Springs	Surface water piped in as raw water from Cypress Creek Basin - specifically Lake O' The Pines	2003 Dollars - Estimates range from $664,950,000 to $680,832,000 for different alignments from Lake O' The Pines for line work only, does not include treatment.	Cypress Creek Basin - Lake Bob Sandlin, Lake Cypress Springs, and Lake O' The Pines	KSA Engineering Inc, Water Availability Modeling Assessment Report in the Cypress Basin March 2002; TCEQ Water Availability Model; Freese and Nichols Inc, Cypress Creek Reservoir Studies Lake O' The Pines Technical Data 1971; Freese and Nichols Inc, Basic Perspective on Water Resource Potential of the Cypress Creek Basin 1977; Freese and Nichols Inc, Plan for Long Range Water Resource Development in the Creek and Basin 1991; KSA Engineering Inc.	Engineering, includes cost estimates.	Recommends piping in raw water from Cypress Basin to Region C.	Conditions would be to limit future water rights in Lake Bob Sandlin, Lake Cypress Springs and Lake O' The Pines to only Region C.	not addressed	Would need to acquire rights of way to construct water transmission lines.	not addressed	not addressed - basic operational considerations of an extended water supply line are the life expectancy of the line itself and the functionality of the pump station and booster stations if necessary.	only the capital cost of constructing a raw water supply line was addressed
44	Yes	Freese and Nichols, Inc	Memorandum Report on Operating Policy for Pumping from Lake Texoma	1991	North Texas Municipal Water District	Technical	Lake Texoma	Lake Texoma	Pumping Capacity	Pumping Capacity	N/A	The report provides a recommendation for the operating policy on the Pump Station at lake Texoma in correspondence with future demand, electric rate schedule.	Study provides 3 alternatives for the operation policies. The summary of cost is provided in Table 5.4.	N/A	Surface Water Pumping	$620,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45	Yes	Freese and Nichols, Inc	Preliminary Study of Sources of Additional Water Supply	1996	North Texas Municipal Water District	Technical	North Texas Municipal Water District	New Bonham, George Parkhouse North and South, George Parkhouse Combined, Marvin Nichols North	Water Supply, Wildlife Resources	Water Supply	New Bonham, George Parkhouse N and S and combined, Marvin Nichols North	Investigate 5 potential sources of additional water supply for the District. Comparison of basic hydrologic conditions, existing water rights, requirements for release of inflows.	New Bonham has lowest price per MGD with transmission, Marvin Nichols least desirable (lowest reservoir cost) but distance is issue.	Yield with Env. Releases: New Bonham 109.7 MGD, George Parkhouse N 115.7 MGD, George Parkhouse South 106.2, George Parkhouse Combined 224.8 MGD and Marvin Nichols 552.03 MGD	Surface	Table ES-2	NTMWD		Engineering	Tarrant Regional Alternate Strategy, NTMWD Alternate Strategy, UTRWD recommended	Not addressed	not addressed	TBT	Marvin Nichols least desirable, George Parkhouse most desirable	Environmental Inflow Releases considered	Not addressed
46	Yes	Freese and Nichols, Inc	Preliminary Study of Sources of Additional Water Supply	1996	North Texas Municipal Water District	Technical	North Texas Municipal Water District	New Bonham Reservoir, George Parkhouse North , George Parkhouse South, Marvin Nichols	Additional Water Supply for North Texas, Yield, Environmental Impact	Additional Water Supply for North Texas, Yield, Environmental Impact	N/A	To find alternative supply of water for rising water demand (137 mgd) by year 2020.	The report provides conclusions based on hydrologic conditions, existing water rights and requirements for the release of inflows like those proposed by state agencies in their draft Environmental Water needs Criteria. Considering yield, environmental impact and cost New Bonham and George Parkhouse North are most promising options. Marvin Nichols North is a possible alternative if partners in project development can be found, but it would be more costly and more	137 MGD	Surface Water	$250 M - $1280 M. The report has five alternative (Above is the range)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
47	Yes	Freese and Nichols, Inc	Projected Demands and Recommendations for Development of Additional Raw Water Supplies	2004	North Texas Municipal Water District	Technical	North Texas Municipal Water District	Lake Texoma	Future Demand, Conservation, Reuse, Water Supply Alternatives	Future Demand, Conservation, Reuse, Water Supply Alternatives	Lake Texoma	To provide an action plan for supply of water for North Texas by projecting future water demand	Table 2.1 provide immediate, short term and long term alternatives for water supply in North Texas, The report recommends many immediate alternative including interim purchase of 20,000 AF of water from GTUA. Long term alternative also includes reallocation of water from Lake Texoma. Detailed recommendation in chapter 4 of ihe report.	115,000 Acre-feet	Surface Water	No reference to Cost	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (Firm yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Issues	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Options (C & D)
48	Yes	Freese and Nichols, Inc	Report in Support of Amending Permit 5003	2005	North Texas Municipal Water District	Technical	Lake Texoma	Lake Texoma	Permit application	Permit application	N/A	To apply for permit of allocation of 100,000 acre-feet of water from Lake Texoma.	1. Using the modeling approach similar to the employed by the Corps in an on-going study of the impact of the new water supply diversions on the reservoir, the yield of the proposed NTMWD water right for 100,000 acre-feet if storage in Lake Texoma is 113,00 acre-feet per year. 2. The new diversion by the NTMWD is a change in use of the yield of Lake Texoma. Currently this yield is used for hydropower generation. Hydropower releases will be reduced accordingly, therefore impacts on reservoir are	100,000 Acre-feet of water from Lake Texoma	Surface Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
49	Yes	Freese and Nichols, Inc	Study of Additional Surface Water Supply, Phase II, Engineering Report on Ringgold Reservoir	1981	City of Wichita Falls, Texas and Texas Electric Service Company, Fort Worth	Technical	Wichita Falls	Ringgold Reservoir	Ringgold reservoir as water source for Wichita Falls	Ringgold reservoir as water source for Wichita Falls	N/A	The purpose of the report was to provide detailed analysis of the reservoir and preliminary construction estimate.	The Ringgold Reservoir is the best and closest prospect for additional surface water supply for Wichita Falls are. It has 271,600 acre-feet of storage volume and surface area of 14,980 acres. Page 7.1 for detailed summary.	271,600 Acre-feet	Surface Water	$14.4 Million	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50	Yes	Freese and Nichols, Inc	Study of Potential Sources of Additional Surface Water Supply in the Red River Basin and the Cypress Creek Basin	1979	North Texas Municipal Water District	Technical	Red River Basin & Cypress Creek Basin	Lake Texoma, Lake O' The Pines	Water Diversion	Water Diversion	Diversion of Lake Texoma water into Lake Lavon	To carry out an investigation of potential alternative sources of water supply in the Red River Basin and the Cypress Creek Basin The study was consider a) Lake Texoma, b) possible sources	See Table 1.1, Page No. 1.5, The table provides a quantity of water which can used by NTMWD (52,000 acre-feet) for $15 million.	52,000 Acre Feet	Surface	See Table 1.1 - Page No. 1.5, Table 3.2 - Page No. 3.7, Table 3.3 - Page No. 3.10, Table 3.4 - Page No. 3.11, Table No. 4.2 - Page No. 4.6, Table 4.3 - Page No. 4.8	N/A	N/A	Planning	Blending Texoma with Lake Lavon is included in the strategies for the 2006 Region C Water Plan	Viable	N/A	N/A	N/A	N/A	N/A
51	Yes	Freese and Nichols, Inc	Summary of Water Supply Reports	1985	North Texas Municipal Water District	Technical	North Texas Municipal Water District	Lake O' The Pines	Water Supply		Lake Texoma Purchase, Chapman (Cooper Reservoir), New Bonham Reservoir	To prepare a summary of previous water supply reports and of the current status of water supply planning for the District. This report includes forecast of the District's need for water, summary discussions of three 1979 studies of sources of additional water supply and a discussion of the current availability and status of the source investigated in 1979	See Table 5.1 - Page No. 5.2. The current plan of development calls for the acquisition of water supply from Lake Texoma, Cooper Reservoir and New Bonham Reservoir. Lake Texoma will provide water to meet the District's pressing near-term needs and a permanent supply of 69 MGD at Lake Lavon. Cooper Reservoir is far advanced in planning and design and will provide 48 MGD to the District by the early 1990's. Like Cooper Reservoir, New Bonham Reservoir is near Lake Levon and will provide a relatively inexpensive	Lake Tawakoni, 41,000 acre ft, Lake Fork 159,000 ac ft, Murvaul Lake 15,000 ac ft, Toledo Bend 86,300 ac ft, Estes 86,300 ac ft, Big Sandy 61,700 ac ft. Red River 104,000 ac ft, New Bonham 63,200 ac ft, Cypress Creek Basin 104,000 ac ft. Pat Mayse and Big Pin 67,300 ac ft.	Surface	Tables 3.2 and 3.3, Red River least expensive, Murvaul Lake most expensive	NTMWD, NETMWD		Technical		Water available in 1979	Not addressed	IBT and Water Right	Not addressed	Operational Conditions	Not Addressed
52	Yes	Freese and Nichols, Inc	Summary of Water Supply Reports	1985	North Texas Municipal Water District	Planning	North Texas Municipal Water District	Toledo Bend	Summary of Other Work, Water Supply, Water Yield, Cost of Water Supply, Inter-Basin Transfer, Water Demand	A summary of water supply needs and discussion of current water availability prepared for NTMWD.	Toledo Bend; Lake O' Pines; Lake Texoma; and various other existing and proposed reservoirs in the Cypress, Red and Sabine River Basins.	To prepare a summary of previous water supply reports and of the current status of water supply planning for the District.	13 sources of water supply were considered in this report for NTMWD. The current plan of development calls for the acquisition of water supply from Lake Texoma, Cooper Reservoir and New Bonham Reservoir. Toledo Bend was not included in this plan of development at that time because it was signifi\cantly more expensive than other sources.	Actual firm yields not mentioned; however, dependable increment to supply listed for Toledo Bend Reservoir is as follows: 86,300 ac-ft/yr and 77.0 MGD. Dependable supply numbers listed for other alternatives as well. See Table 3.3 on page 3.9.	surface	For sources of supply considered within the Sabine River Basin, the overall capital costs of the programs range from $154,631,000 to $289,774,000, with the cost of delivered water ranging from 40¢ per 1,000 gallons to 53¢ per 1,000 gallons once the programs are fully developed.	1-NTMWD	The report references the 1979 URS/Forrest Cotton Report entitled "Report on Potential Water Supply from the Sabine River Basin."	planning	This report is found in the reference lists for both the 2001 and 2006 Region C Water Plans.	Cost; pipeline maintenance; permitting.	Not mentioned for Toledo Bend.	Not mentioned for Toledo Bend.	Not mentioned for Toledo Bend.	Combinations of water supply from various reservoirs in the Sabine Basin may be a solution.	n/a
53	Yes	Freese and Nichols, Inc	Summary of Water Supply Reports	1985	North Texas Municipal Water District	Technical	North and North East Texas	Lake Texoma	Water Supply	Water Supply	N/A	To prepare a summary of previous water supply reports and of the current status of water supply planning for the District. This report includes forecast of the District's need for water, summary discussions of three 1979 studies of sources of additional water supply and a discussion of the current availability and status of the source investigated in 1979	See Table 5.1 - Page No. 5.2. The current plan of development calls for the acquisition of water supply from Lake Texoma, Cooper Reservoir and New Bonham Reservoir. Lake Texoma will provide water to meet the District's pressing near-term needs and a permanent supply of 69 MGD at Lake Lavon. Cooper Reservoir is far advanced in planning and design and will provide 48 MGD to the District by the early 1990's. Like Cooper Reservoir, New Bonham Reservoir is near Lake Levon and will provide a relatively inexpensive	See Conclusion Column	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
54	Yes	Freese and Nichols, Inc	Upper Sabine Basin Regional Water Supply Plan	1988	Sabine River Authority	Technical	Sabin River Basin	Waters Bluff Reservoir, Belzora Landing Reservoir, Lake Fork Reservoir	Water Supply	Upper Sabine Basin	Waters Bluff, Belzora Landing, Estes, Carthage, State Line Res.	To Prepare a regional water supply plan for the Upper Sabine Basin. Develop estimates of water requirements in the upper Sabine Basin through the year 2030, conduct a preliminary evaluation of conservation measures potentially adoptable, evaluate the yield of the proposed Waters Bluff Reservoir on the Sabine Reservoir, evaluate the benefits of operating Lake Tawakoni, Lake Fork Reservoir and Waters Bluff Reservoir as a coordinated system, evaluate the yield of the proposed Belzora Landing Reservoir on the	Summary of Findings: A. In 1985 the estimated population of the upper Sabine was 340,238. The estimated total population of the 15 counties wholly or partially in the upper Sabine Basin was 857,877. B. By 2030, the population of the upper Sabine Basin is projected to be 645,058 or about 1.9 times the 1985 population. This represents an annual population growth rate of 1.4 percent. The total population of the 15 county region is projected to be 2,023,257 or 2.4 times the 1985 population. This represents a regional annual	Need additional supply of 208,962 acre-feet per year by 2030	Surface	not addressed	Upper Sabine Basin, Waters Bluff Reservoir, Lake Tawakoni, Lake Fork Reservoir, Belzora Landing Reservoir	Texas Department of Water Resources, Texas Water Development Board, projections of water use and populations, 1982; Texas Water Development Board, Draft of Revised County Population Estimates, 1986; Espey, Huston and Assoc and Tudor Engineering, Update of the Master Plan for the Sabine River and Tributaries in Texas, 1985; Texas Water Commission, Modified Final Determination of All Claims of Water Rights in the Upper Sabine Segment of the Sabine River Basin,	Engineering	Coordinate use of operating Lake Tawakoni, Lake Fork Reservoir and Waters Bluff Reservoir, and in addition Belzora Landing Reservoir on the Sabine River, will maximize yield of the upper Sabine Basin.	not addressed	not addressed	Water Rights, IBT	not addressed	Sophisticated series of operation considerations if Lake Tawakoni, Lake Fork Reservoir, and Waters Bluff Reservoir are to be used in series.	not addressed
55	Yes	Freese and Nichols, Inc	Upper Sabine Basin Regional Water Supply Plan	1988	Sabine River Authority of Texas	Technical	Sabin River Basin	Toledo Bend	Water Yield, Water Conservation, Water Supply, Water Demand	Regional Water Supply Plan for Upper Sabine Basin	Construction of additional reservoirs; operation of multiple reservoirs as a system; "imports from other basins" (actually in lower Sabine Basin).	Regional Water Supply study including: • Develop estimates of water requirements in upper Sabine Basin though 2030. • Conduct preliminary evaluation of conservation measures that SRA might adopt. • Evaluate yield of proposed Waters Bluff Reservoir. • Evaluate benefits of operating Lake Tawakoni, Lake Fork, and Waters Bluff Reservoir as a coordinated system. • Evaluate yield of proposed Belzora Landing Reservoir. • Evaluate benefits of operating Lake	n/a	N/A (Toledo Bend not included)	surface	n/a	n/a	n/a	planning	N/A (predates 2001)	Acquisition of additional water rights	n/a	Acquisition of additional water rights	n/a	Multiple reservoirs may be operated as a coordinated system	n/a
56	Yes	Freese and Nichols, Inc.	Draft Lake O' The Pines/Cypress Basin Water Supply Study, prepared for NTMWD	2003	North Texas Municipal Water District	Technical	Cypress Creek Basin	Bob Sandlin, Lake O Pines, Lake Cypress Springs	Water Supply	Cypress Basin	Bob Sandlin, Lake O Pines, Lake Cypress Springs	Purpose of Study was to determine the amount of water available from the Cypress Creek Basin to NTMWD.	Freese and Nichols recommended the purchase of water from NETMWD for raw water from the Lake O Pines with water routed from Lake Bob Sandlin and Lake Cypress Springs and the construction of raw water treatment facilities with transmission line routing options.	87,900 ac ft/yr available	Surface	Yes, Tables 6-3-6-8	NETMWD and NTMWD	Cypress WAM,	Engineering with cost estimates	Lake O Pines not included in Region C Water Plan	as of 2003, ~90,000 acre ft available	Increase in nutrients	IBT	None	Raw Water Treatment Plant	not addressed
57	Yes	Freese and Nichols, Inc.	Engineering Report on New Bonham Reservoir	1984	North Texas Municipal Water District and the Red River Authority																					

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (from yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Conditions of Viability of Water Supply	Water Quality Issues	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Items (C & D)
58	Yes	Freese and Nichols, Inc.	Impact of Potential Toledo Bend Operational Changes Memo Report	1998	Trans-Texas Water Program (Southeast Area); Sabine River Authority of Texas, Lower Neches Valley Authority; San Jacinto River Authority, City of Houston; Brazos River Authority; TWDB	Technical	Toledo Bend	Toledo Bend	System Operation Assessment, Instream Flows	Increasing permitted diversions of water from Toledo Bend from 750,000 ac-ft/yr to 1,043,300 ac-ft/yr and diversion of 672,000 ac-ft/yr out of Sabine Basin.	Use of additional impounded water (increase in allocation).	Analyze impact of (Texas) water right increase by 293,300 ac-ft/yr and interbasin transfer of 672,000 ac-ft to areas west of Sabine and Neches River Basins, including affect on Lake Sabine.	(No recommendations provided.) Conclusions were as follows: • Change from existing operating conditions would result in no noticeable decrease in lake level about 1/3 of the time. • Change in operation would decrease spills at Toledo Dam by 11.6%, mostly in winter. • For the existing condition Toledo Bend Reservoir decreases volume of water flowing into Sabine Lake (by 12.2%) and causes shortfall of environmental flows (~12.2%); operational change (i.e. increase in water allocation) would affect these conditions including	Total from Toledo Bend = 2,086,600 ac-ft/yr Texas portion (1/2 total) = 1,043,300 ac-ft/yr	surface	n/a	n/a	n/a	planning	n/a	interbasin transfer of flows ("formerly surplus flows from outside the Sabine Basin") for instream flow needs	n/a	TCEQ water rights permit for 293,300 ac-ft/yr	salinity of Sabine Lake (estuary)	Noticeable decrease in Toledo Bend Lake level ~2/3 of time. Potential impact to hydroelectric operations not evaluated.	n/a
59	Yes	Freese and Nichols, Inc.	Model Water Conservation Plan	2004	North Texas Municipal Water District Member Cities and Customers, Fort Worth																					
60	No	Freese and Nichols, Inc.	Potable Water Supply System Study	2001	Wise County Power Company, LLC																					
61	Yes	Freese and Nichols, Inc.	Projected Demands and Recommendations for Development of Additional Raw Water Supplies	2004	North Texas Municipal Water District	Technical	North Texas Municipal Water District	Lake O' The Pines	Water Supply	Water Supply	Conservation, Reuse, Purchase Lake Texoma, Lake O' The Pines, Toledo Bend, Wright Patman Reallocation, Marvin Nichols, Lower Bois D' Arc, Oklahoma	Investigate short, medium and long term alternatives for water supply.	Wastewater reuse permits, interim use of Lake Fork, Toledo Bend Water, Lake O' The Pines, Greater Texoma Utility Authority, Wright Patman	Table 3.1	Surface	none provided	NTMWD, NETMWD, GTUA, DWU		Engineering		Viable alternatives	Not Addressed	IBT and Water Rights	none	Operational considerations	Not addressed
62	Yes	Freese and Nichols, Inc.	Projected Demands and Recommendations for Development of Additional Raw Water Supplies	2004	North Texas Municipal Water District	Technical	NTMWD and surrounding areas	Toledo Bend	Calculations, Summary of Other Work	Short term and long term alternatives evaluation.	Lake Texoma, Cypress Basin, Toledo Bend, Wright Patman, Lower Bois d'Arc Creek Reservoir, others	Develop analysis of raw water supply system, project water demands and evaluate alternative approaches to the development of additional supplies.	Develop additional supply of 115,000 ac-ft/yr by 2010 and 550,000 by 2060. Toledo Bend mid-term alternative (5 to 10 years) of 200,000 ac-ft/yr, best combined with Lake Fork alternative.	Not provided, alternatives listed as 100,000 to 167,000 ac-ft/yr delivery for NTMWD only, recommend 200,000 ac-ft/yr	surface	unknown if TWDB standard; detailed cost figure not provided. $2.1-2.9 billion to be shared with others.	4-NTMWD, DWU, SRA, TRWD	none	planning	Possible 2006 Region C Reference (Toledo Bend)	Good, existing supply	none mentioned	Inter-Basin Transfer	none mentioned	Transfer of water to existing reservoirs, Cedar Creek, Lake Palestine and Lake Fork; cooperation with DWU and/or TRWD	none mentioned
63	No	Freese and Nichols, Inc.	Report on Cooling Water Sources and Power Plant Sites	1973	Texas Utilities Services Inc.																					
64	Yes	Freese and Nichols, Inc.	Report on Long-Range Water Supply	1982	City of Denton																					
65	Yes	Freese and Nichols, Inc.	System Operation Assessment of Lake Wright Patman and Lake Jim Chapman, Volume 1, Main Report	2003	U.S. Army Corps of Engineers	Technical	Sulphur River Basin	Lake Wright Patman	System Operation Assessment, Water Yield	An investigation of the additional yield that could be developed in the Sulphur River Basin.	Lakes Wright Patman & Jim Chapman	This Study has three major goals: 1) To determine the potential gain in supply from implementing alternative operation policies in Lake Wright Patman. 2) To determine the potential increase in yield if Lakes Wright Patman and Jim Chapman are operated together as a system. 3) To identify potential opportunities and constraints regarding bottomland hardwood and wetland resources in the Sulphur River Basin resulting from changes in operation. Specifically, the White Oak Creek Wildlife Management	Reallocation of flood storage in Lake Wright Patman appears to be the most promising water supply alternative considered in this study	1) Combined Yield of Lake Jim Chapman (Storage at 440.0 feet NVGD) and Lake Wright Patman (Water Supply below elevation 220.0 feet is available) = 282, 805 acre-feet per year. 2) The largest gains in yield are from reallocation of Lake Wright Patman flood storage to conservation storage and making use of the full conservation storage in the same reservoir. Changing to Lake Wright Patman's ultimate curve increases supplies to 430,180 acre-feet per year. 3) System operation of the reservoirs can increase the overall yield of the system. The	Surface	N/A	N/A	R.J. Brandes Company, Draft Water Availability Model for the Sulphur River Basin, prepared for the Texas Natural Resources Conservation Commission, January 1999, US Army Corps of Engineers, Fort Worth District, Cooper Lake, Sulphur River, Texas, Master Plan Design Memorandum No. 10, May 1987, US Army Corps of Engineers, Fort Worth District, Jim Chapman Lake Cooper Dam Water Control Manual Chapter 7, June 1999, Frees and Nichols, Inc. et al., Region C Water Plan,	Planning	2006 Region C Water Plan - Section 4D.4		N/A	N/A	N/A	Comments received from the U.S. Fish and Wildlife Service and the Texas Department of Parks and Wildlife outlined potential issues and concerns regarding the implementation of changes to Lake Wright Patman operation and implementation of system operation, including: 1. Alteration of stream and riverine habitats, riparian areas, and wetlands by inundation. 2. Changes in water quality, including changes in sediment transport, dissolved	U.S. Army Corps of Engineers	N/A
66	No	Freese and Nichols, Inc.	Water and Wastewater Master Plan	1997	East Cedar Creek Fresh Water Supply District																					
67	No	Freese and Nichols, Inc.	Wise County Power Plant Project – Raw Water Supply Study	1999	Wise County Power Company, LLC																					
68	Yes	Freese and Nichols, Inc.	North Texas Municipal Water District Water Conservation and Drought Contingency Plan	2004, revised 2006	North Texas Municipal Water District	Planning	Dallas, Fort Worth	Lake Texoma	Water Conservation	Conservation and drought planning for North Texas Municipal Water District	None discussed	To reduce water consumption; to reduce the loss and waste of water; to improve efficiency in use of water; to document the level of recycling and reuse in water supply; and to extend the life of current water supplies by reducing the rate of growth in demand.	The study discusses requirements for water conservation and drought planning pursuant to TCEQ rules. Responsibilities of the Executive Director of NTMWD, how to implement the plan, specifics for public outreach and education, and various provisions and procedures are discussed. Note: Per capita water use listed in table on p. C-5 [209 gpcd for year 2000]; Historical data listed in Figures C-3 through C-24.	n/a	n/a	n/a	n/a	n/a	planning	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
69	Yes	Freese and Nichols, Inc.	Texas Water Allocation Assessment Report Vol. 1 and Vol. 2	2002	U.S. Army Corps of Engineers - Fort Worth District	Technical	State of Texas	Marvin Nichols, Lake Wright Patman, Lake Texoma, Lake O' The Pines, Toledo Bend	Water Yield, Water Supply, Inter-Basin Transfers, Water Demand	An assessment of water issues in Texas and opportunities for federal assistance.	Toledo Bend – Interbasin Transfer and pipeline to Prairie Creek Reservoir; Prairie Creek Reservoir	To identify opportunities for Corps assistance in water supply through specific projects based on findings of the regional water plans and stakeholder interviews.	Based on analysis of regional water plans, development of sufficient water supply to meet projected demands will require local, state and possibly federal assistance. In summary, the areas where the Corps can assist most effectively in water supply in Texas are: • Full utilization and optimization of existing Corps projects to increase water supply, • Projects that are designed to enhance or protect water supply from the Rio Grande, • Groundwater recharge enhancement projects, specifically the	Not mentioned in report for Toledo Bend; Prairie Creek Reservoir to supply firm yield of 115,000 ac-ft/yr (some of which will come from Toledo Bend); See Table I-2 on page A-70 for firm yield of existing reservoirs in Region I.	surface and ground water	Not mentioned	2-Army Corps of Engineers for feasibility study for interbasin transfer; SRA for pipeline to Prairie Creek	n/a	planning	On reference list for 2006 Region C Water Plan	Cost high; availability good.	n/a	Not mentioned in report	None identified in report.	Effects of water diversion on hydropower generation for Toledo Bend Reservoir	none mentioned
70	Yes	Freese and Nichols, Inc. and Alan Plummer Associates, Inc	Regional Water Supply Plan, Vols. 1-2	1990	Tarrant County Water Control and Improvement District Number One and the Texas Water Development Board	Technical	Tarrant County	N/A	Water Supply Development Plan	Water Supply Development Plan	N/A	The report provides a plan to serve water to Tarrant County in next 50 years.	Chapter 11 of report provides an extensive summary of the detailed analysis of the all the alternate sources	50000 Ac-ft/year	Surface water	$ 693,148,000 Million	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
71	Yes	Freese and Nichols, Inc. and Alan Plummer Associates, Inc.	Regional Water Supply Study Water Reuse Tour	1989	Tarrant County Water Control and Improvement District Number One																					
72	Yes	Freese and Nichols, Inc., Alan Plummer Associates, Inc., Chiang, Patel, and Yerby, Inc.	Infrastructure Financing Survey Report, Region C	2002	Region C Water Planning Group																					
73	No	Freese and Nichols, Inc., Alan Plummer Associates, Inc., Chiang, Patel, and Yerby, Inc., and Cooksey Communications, Inc	Amendment to the 2001 Region C Water Plan	2005	Region C Water Planning Group																					
74	No	Freese and Nichols, Inc., Alan Plummer Associates, Inc., Chiang, Patel, and Yerby, Inc., and Cooksey Communications, Inc	Amendments to the 2001 Region C Water Plan	2003	Region C Water Planning Group																					
75	Yes	Freese and Nichols, Inc., and Alan Plummer and Associates, Inc	Environmental Effects of the Texoma Diversion Project	1979	North Texas Municipal Water District and the Greater Texoma Utility Authority	Technical	Lake Texoma	Lake Texoma	Impact Assessment	Impact Assessment	N/A	To find best possible alternative to get water to North Texas and evaluate environmental effects of the resulting project	The environmental effects from diversion of water from Lake Texoma have been considered insignificant and will have very little effect on water levels, fisheries or recreation activities at Lake Texoma. The environmental effect of pipeline construction are limited to short term construction effects.	69 MGD	Surface Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
76	Yes	Freese and Nichols, Inc., and Brown and Root, Inc for the Trans-Texas Water Program: Southeast Area	Memorandum Report - Projected Water Needs and Supply of the Upper Neches and Sabine River Basins	1998	Sabine River Authority of Texas; Lower Neches Valley Authority; San Jacinto River Authority; City of Houston and Brazos River Authority	Technical	Upper Sabine and Upper Neches River Basins	Lake O' The Pines	Water Supply, Water Demand	regional water use and water supply study	none	Examination of the projected water requirements of the upper Neches and Sabine Basins through the year 2050, to determine whether those areas are likely to need any of the supply available from the Southeast Area.	Based on the report's projection, it would be only prudent to recognize that (a) the upper Sabine Basin could need to draw water from within the Southeast Area between now and 2050 and (b) the total need for such water from the Southeast Area could be in the range of 100,000 to 200,000 acre-feet per year.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	none mentioned	n/a	none mentioned
77	Yes	Freese and Nichols, Inc., and Red River Authority	Lake Texoma Septic Tank Study, Interim Report: Existing and Potential Septic Tank Problem Areas	1981	Texas Department of Water Resources																					
78	Yes	Freese and Nichols, Inc., and Red River Authority	Lake Texoma Septic Tank Study, Interim Report: Identification and Impact Assessment of Wastewater Treatment Alternatives	1982	Texas Department of Water Resources																					
79	Yes	Freese and Nichols, Inc., and Red River Authority	Lake Texoma Septic Tank Study, Interim Report: Inventory of Existing Conditions	1981	Texas Department of Water Resources																					

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (Firm yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Conditios of Viability of Water Supply	Water Quality Issues	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Options (C & D)
80	Yes	Freese and Nichols, Inc., Brown and Root, Inc., LBG-Guyton Associates	Comprehensive Sabine Watershed Management Plan	1999	Sabine River Authority of Texas in conjunction with the Texas Water Development Board	Technical	Sabine River Basin	Toledo Bend, Lake of the Pines	Summary of Other Work, Water Conservation, Water Supply, Water Transmission, Environmental Impacts, Inter-Basin Transfers, Costs of Water Supply, Water Demand	A comprehensive study determining existing and future water availability for the Sabine River Basin.	Prairie Creek Reservoir to support upper basin (may entail transfer of water from Toledo Bend), diversions from the Sabine River, a transmission pipeline from Toledo Bend, transfer of water from Lower Basin to Upper Basin, Interstate transfers from Louisiana (see pg. 1-10); and some new limited ground water resources.	To update the 1985 *Update of the Master Plan for the Sabine River*. To take an overall look at Basin development including such issues as water need, water supply, the environment, conservation, economic development, and natural resources	Concludes that no new water supply options need to be developed in the lower basin (this includes Toledo Bend), but 93,000 ac-ft/yr is needed for the Upper Basin by 2050. Recommends: 1) building pipeline from Toledo Bend to Upper Basin (possibly to Prairie Creek Reservoir) to supplement supply in Upper Basin; 2) beginning permitting for Prairie Creek early; 3) continuing negotiations with City of Dallas (pg. ES-3); and 4) conducting volumetric surveys to verify sedimentation rates.	A summary of each reservoir/lake's firm yield can be found in Table 3-2 on page 3-3 (Toledo Bend = 1,043,300 ac-ft/yr for Texas). Sabine WAM was not complete at time of this report. Supply/demand analyses does not include demands for environmental flows	Surface and Groundwater (GW-mostly for local supply)	Cost of building pipeline from TB to Prairie Creek has substantial cost savings because pipeline has already been built along this route (halfway to Prairie Creek) to serve an industrial customer. See Table 7.5 (pg. 7-20) and Appendix F for a detailed cost estimate of each water supply alternative. Pipeline to Prairie Creek Reservoir - $142-175 million	1-Sabine River Authority to develop Prairie Creek Reservoir and/or pipeline from Lower to Upper Basin	none	planning	Referenced in 2006 Region C Water Plan	new groundwater supplies are very limited and should be used for local supply only; existing water supply may depend on sedimentation rates; Tenaska-power; Prairie Creek is one of the most economical alternatives with few environmental concerns.	n/a	General permitting requirements listed in report, but nothing directly pertaining to Prairie Creek Reservoir or Toledo Bend	None listed for Toledo Bend. Projected water needs for Basin do not include environmental flows	Water level fluctuations – may not support recreational activities. Water quality standards meet designated use criteria.	n/a
81	No	Freese, Nichols and Endress, Inc., and Rady and Associates, Inc	Comprehensive Water and Sewer Plan	1969	Wise County Planning Commission																					
82	Yes	Gooch, T. C., S. W. Griffin, and W. F. Mullican, III	Texas Statewide Water Planning	2004	The Regional Water Planning Concept, Environmental and Water Resources Congress of the American Society of Civil Engineers	Technical	Texas	N/A	Regional Water Supply Development Plan	Regional Water Supply Development Plan	N/A	To develop a new statewide water plan for Texas.	The report provided a methodology for preparing new Water plan for all 16 regions of Texas based on future populations, water supplies.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
83	Yes	HDR Engineering, Inc	Cost Evaluation of Two Options to Deliver Lake Texoma Water to City of Dallas	2005	Dallas Water Utilities	Technical	Lake Texoma	Lake Texoma	Cost Evaluation	Cost Evaluation	N/A	The purpose of the study is to evaluate costs of two alternatives a) To pump water from Lake Texoma to Lake Ray Roberts, b) Treating and transporting Lake Texoma water directly to Elm Fork WTP Clear Wells	Cost Comparison is shown in Table 6.1	80 MGD	Surface	$45,000,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
84	Yes	HDR Engineering, Inc.	Fastrill Reservoir - Preliminary Technical Information for 2006 Region C Regional Water Plan	2005	Region C Water Planning Group																					
85	Yes	HDR Engineering, Inc.	Water Supply Study: Providing Groundwater from the Texas Panhandle to Communities Throughout the State of Texas	2000	Mesa Water, Inc.																					
86	No	HDR Infrastructure, Inc.	Yield Studies for Lost Creek Dam and Reservoir Supportive to Water Rights Permit Application	1986	City of Jacksboro, Dallas																					
87	Yes	Hopkins, P., Biggart, B.M., and Roming, R	Final Determination of All Claims of Water Rights in the Lower Red River Segment of the Red River Basin	1985	Texas Water Commission	Technical	Lower Red River Segment	N/A	Claim of Water Rights	Claim of Water Rights	N/A	The report settle the claims on water rights in Lower Red River Basin	Lower Red River Segment consist of Red River and its tributaries within the state of Texas from its confluence with Little Wichita river downstream of Texas-Arkansas state boundary. This report does not deal with Lake Texoma directly.	N/A	Surface Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
88	Online	http://www.texasbar.com/Template.c	Volume 67, Number 3. (entire publication devoted to water issues) Available URL	2004	Texas Bar Journal, published by State bar of Texas																					
89	Online	http://www.tpwd.state.tx.us/landwat	Ecologically Significant River and Stream Segments	2003	Texas Parks and Wildlife Department																					
90	Online	https://www.twdb.state.tx.us/puregisd	GIS Data, [Online], Available UR	2005	Texas Water Development Board																					
91	Yes	KBR, Inc.	Upper Sabine Basin Water Supply Study	2003	Sabine River Authority	Technical	Sabine River Basin	Toledo Bend	Calculations, Summary of Other Work	Water supply plan for Upper Sabine Basin	Prairie Creek Reservoir, Toledo Bend Local Groundwater, Lake Cherokee, Lake Fork, Lake Tawakoni	Update and expand investigations of various methods and costs for supplying future water needs in the Upper Sabine Basin	Upper Basin demand to exceed yield in 10 to 24 years. A system yield permit for Lake Fork, Lake Tawakoni and Toledo Bend would add 4 MGD supply. A pipeline from Toledo Bend is the only alternative that can meet demand scenarios for the Upper Basin.	Yield method not described. Recommend permitting of 4 MGD new system yield for Lake Fork, Lake Tawakoni, and Toledo Bend.	surface	unknown if TWDB standard. $0.70-$1.23 per 1,000 gallons delivered, not including cost of raw water from Toledo Bend	2-SRA, DWU	none	planning	no	existing supply	none mentioned	limited permitting requirements	limited environmental impacts	system operation between reservoirs (3) and pumping system	none mentioned
92	Yes	Kindle Stone & Associates, Inc.	Preliminary Engineering Report for Little Cypress Reservoir	1986	Little Cypress Utility District	Technical	Little Cypress Reservoir		Water Conservation		Little Cypress Reservoir	The purpose of this study and report is to develop preliminary engineering and cost data for a proposed regional water supply reservoir located in the Cypress Basin on Little Cypress Creek in Harrison County. The report provides required information to support: 1) an application to the Texas Water Commission for a permit authorizing diversion and use of state waters and 2) an application to the Texas Water Development Board for financial assistance in design and construct of the project. The	**Conclusion** 1. A water supply reservoir with initial yield of 129,000 acre-feet per year can be developed in the Little Cypress Creek watershed. Such yield can accommodate more than 50 years projected growth within the Little Cypress Utility District. 2. The Little Cypress Reservoir as proposed herein would have a surface area of 13,760 acres at normal pool elevation 230.0 feet msl and would require a 5700 feet long earth embankment. 3. The estimated capital cost of Little Cypress Reservoir is $105,500,000. Estimated annual	Table 11, Page 25	Surface	Table 17, Page 45	Little Cypress Reservoir on Little Cypress Creek		Engineering							
93	Yes	Kindle, Stone & Associates, Inc.	Richland-Chambers Reservoir Impact Study	1985	Tarrant County Water Control and Improvement District Number One																					
94	Yes	KSA	Little Cypress Utility District, Report on Impact of Little Cypress Reservoir on Caddo Lake Inflow Quantity and Resultant Lake Level	1987	NETMWD	Technical	Cypress Creek Basin	Caddo, Little Cypress	Water Supply	Water Supply	None	Regional Water Supply Study	Little effect on Caddo	144,900	Surface	Per ac. Ft	NETMWD	None	Engineering	None	Viable	Good	IBT	Caddo env. Flow	Transmission, env. Flows	None
95	Yes	Land, L.F	Water-Quality Assessment of the Trinity River Basin, Texas - Data Collection 1992-1995	1995	USGS																					
96	Yes	Land, L.F	Water-Quality Assessment of the Trinity River Basin, Texas: Nutrients and Pesticides in the Watersheds of Richland and Chambers Creeks	1997	USGS																					
97	Yes	Land, L.F	Water-Quality Assessment of the Trinity River Basin, Texas: Nutrients in Streams Draining an Agricultural and an Urban Area, USGS Fact Sheet 96-322	1996	USGS																					
98	No	Land, L.F.	National Water Quality Assessment Program – The Trinity River Basin	1991	USGS																					
99	Yes	Langley, Lon	Report 349: Updated Evaluation of Water Resources in Part of North-Central Texas	1999	Texas Water Development Board	Technical	North Central Texas	N/A	Groundwater resources	Groundwater resources	N/A	This report is in response to Senate Bill 1, passed in 1997 by the 75th Texas Legislature. This Act calls for the identification of areas in the state experiencing or expected to experience critical groundwater problems within the next 25-year period.	A reduction in withdrawals since 1990 has slowed water level declines in some parts of the study. Water levels in Antlers and Twin Mountain Formations of the Trinity Aquifer remained stable since 1989 with exception of Wise, Tarrant and Johnson Counties. Water level decline of about 100-ft have occurred in southwestern Wise County. Overall, groundwater quality has not degraded appreciable since last reporting period in 1990.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100	No	Leibbrand, N.F.	Water Quality of Cedar Creek Reservoir in Northeast Texas, 1977-1984	1987	USGS																					
101	Yes	Liu, C., A.L. Baird, C. Scofield, and A.K. Ludeke	An Analysis of Bottomland Hardwood Areas at Three Proposed Reservoir Sites in Northeast Texas	1997	Texas Parks and Wildlife Department																					
102		Lone Star Chapter, Sierra Club, Ken Kramer, Director	Sierra Club Comments	2006	Lone Star Chapter, Sierra Club			Marvin Nichols																		
103	Yes	Lone Star Chapter, Sierra Club, Rogers Erin	Comments of Erin Rogers, Lone Star Sierra Club to Region C Water Planning Group	2002	Region C Water Planning Group																					
104	No	Masoner, Jason R.Burden, David S.Sewell, Guy W.Geological Survey (U.S.),United States. Environmental Protection Agency., National Risk Management Research Laboratory (U.S.),	Digital atlas of Lake Texoma	2003	Geological Survey (U.S.)	Technical		Lake Texoma																		

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (from yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Source	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both (refer to C & D)
105	Austin	McKee, Paul W.Texarkana Water Utilities, , Geological Survey (U.S.),	Reconnaissance for trace metals in bed sediment, Wright Patman Lake, near Texarkana, Texas	2001	Geological Survey (U.S.)	Technical	Lake Wright Patman	Lake Wright Patman	Water Contamination	Lake Wright Patman Water quality analysis	N/A	A reconnaissance of Wright Patman Lake to collect bed-sediment samples for analysis of trace metals.	Concentrations of arsenic, barium, chromium, lead, and nickel at the nine sampling sites relative to distance from station 07344200 near the dam are shown in figure 4; concentrations of core samples shown represent the entire length of core. Concentrations of arsenic, chromium, lead, and nickel from the sediment samples generally increase with increasing distance down the Elliot Creek arm of the lake. The apparent increase in concentration of those trace elements down the Elliot Creek arm of the lake probably is caused by a trend toward fine-															
106	Web	Michael W. Brice, Assistant District Management Supervisor Inland Fisheries Division District 3-A, Marshall, Texas	Statewide Freshwater Fisheries Monitoring and Management Program, 2004 Survey Report, Lake Wright Patman	2005	Texas Parks and Wildlife Department	Technical	Sulphur River Basin	Lake Wright Patman	Survey Report	Lake Wright Patman survey using electrofishing, gill netting, trap netting, a littoral zone habitat survey, an aquatic vegetation survey, and an angler access survey.	N/A	Lake Wright Patman survey, as required by federal aid in sport fish restoration act Texas federal aid project F-30-R-30	Please See Executive Summary (Page 2-3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
107	Yes	Mullican, W.F., III.	Water, Is it the Oil of the 21st Century,	2003	Subcommittee on Water Resources and Environment Committee on Transportation and Infrastructure – United States House of Representatives Washington, D.C.																					
108	Yes	N/A	Mr. Bill King, Director of Texarkana Water Utilities, jointly operated by the Cities of Texarkana, Arkansas and Texas, phone conversation about Wright Patman Lake water rights	N/A	Texarkana Water Utilities	N/A	Lake Wright Patman	Lake Wright Patman	Telephone Conversation	Texarkana Water Utilities Operations from Lake Wright Patman.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
109	Yes	N/A	Mr. Paul Rodman, USACE, Fort Worth, Wright Patman Lake Operations	N/A	U.S. Army Corps of Engineers, Fort Worth District,	N/A	Lake Wright Patman	Lake Wright Patman	Telephone Conversation	Operations of Lake Wright Patman.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
110	Yes	N/A	TCEQ, Water Rights Database and Related Files	N/A	Texas Commission on Environmental Quality	N/A	Lake Wright Patman	Lake Wright Patman	Water Rights	Water Rights Database and Related Files	N/A	TCEQ Website - Water Rights Database and Related Files	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
111	Yes	N/A	US Army Corps of Engineering	N/A	U.S. Army Corps of Engineers, Fort Worth District,	N/A	Lake Wright Patman	Lake Wright Patman	Operations	Operation of Lake Wright Patman	N/A	USACE website - Lake Wright Patman Information	N/A	Wright Patman is a multi-purpose flood control lake with a conservation pool storage capacity of 145,300 acre-feet and flood control pool storage capacity of 2,509,000 acre-feet.	Surface	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
112	Yes	NETMWD	Cypress Creek Basin Highlights 2007	2007	NETMWD	Technical	Cypress Creek Basin	Cypress Basin	Water Supply	Water Supply	None	Water Supply	None	None	Surface	none provided	NETMWD	None	Engineering	NTMWD, DWU	None	Low DO	IBT	N/A	Transmission, env. Flows	None
113	Yes	NETMWD	Figure 1-2, Cypress Creek Basin Watersheds	2008	NETMWD	Technical	Cypress Creek Basin	LOP, Lake Cypress Springs	Water Supply	Water Supply	None	Water Supply	None	None	Surface	none provided	NETMWD	None	Engineering	NTMWD, DWU	None	not addressed	IBT	N/A	Transmission, env. Flows	None
114		Norman D. Johns, PhD	Saving Water, Rivers, and Money: An Analysis of the Potential for Municipal Water Conservation in Texas	2002	National Wildlife Federation	Technical		Marvin Nichols																		
115	Austin	Norris, Chad W. and Gordon W. Linam	Ecologically Significant River and Stream Segments of Region D, Regional Water Planning Area	2000	Texas Parks and Wildlife	Technical	Region D				N/A	The purpose of this report is to identify those river and stream segments that meet the outlined criteria and to prepare a report documenting those streams that are deemed to be of significant ecological value.															
116	Online	North East Texas Regional Water Planning Group	Region D Water Plan	2006	North East Texas Regional Water Planning Group	Planning	Region D	Toledo Bend; Marvin Nichols	Water Conservation, Water Availability Model, Water Rights, Cost of Water Supply, Water Demand	Regional water supply planning	Toledo Bend, Marvin Nichols, Prairie Creek	Determine needs, evaluate alternatives, develop water management strategies	Toledo Bend pipeline project by SRA will be required to meet shortages for some user groups. (recommended alternative). Also, a supply option for Region C. Prairie Creek reservoir also recommended. Total Region D shortages projected to be 110,710 ac-ft/yr by 2060 with 64 entities experiencing shortages. 30,797 ac-ft/yr needed from Toledo Bend by 2060.	n/a; Recommended transfers from Toledo Bend; 100,000 ac-ft/yr for SRA; 200,000 for NTMWD; 200,0000 fro TRWD	surface	TWDB Std. (Appendix A, Ch 4) Total Cost for transferring water from Toledo Bend to Upper Sabine Basin, $771,906,000; Total Cost by User; SRA $154,381,200; NTMWD $308,762,400; TRWD $308,762,400 Additional costs for transfer to Lake Fork and Lake Tawakoni.	1-SRA	n/a	planning	none	good	Source: SRA. See table 5.5 for key water quality parameters.	none mentioned	Concern for DO in Lake Fork or Tawakoni, need study.	Water quality impacts of the addition of Toledo Bend water to Lake Fork and/or Lake Tawakoni needs to be studied associated.	Appendix A, Ch. 5
117	Yes	OWRB	Reservoir Summary Sheet for Texoma Lake	2009	Oklahoma Water Resources Board	Data	Oklahoma	Lake Texoma	Water Diversion Permits	Water Diversion Permits	Lake Texoma	Provide the permit numbers, owners, and volumes for Oklahoma water diversion from Lake Texoma	Total Oklahoma Permits from Lake Texoma are 4,795 acre-feet per year	168,000 for Oklahoma (from 150,000 acre-feet of storage)	Surface	N/A	OWRB	TWDB Volumetric Survey 2003	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
118	Web	Paul Price Associates, Inc.	Sulphur River Basin Summary Report 2004, Executive Summary	2004	Texas Commission on Environmental Quality	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	The long-term objectives of the CRP include assessing water quality in the Sulphur River Basin and assisting in identifying management programs to maintain and enhance the water quality	Please See Executive Summary													
119	Yes	Paul Price Associates, Inc.	Targeted Monitoring in the Cypress Basin, Nutrient Study in Lake O' The Pines, Final Report	2000	NETMWD	Technical	Cypress Basin	Lake O' The Pines	Water Quality	Lake O' The Pines	None	Nutrient Study of Lake O' The Pines	NETMWD, High Eutrophication with low DO, City of Longview Intake	None	None	none provided	NETMWD	None	Chemical	None	not addressed	Elevated nutrients, low DO	IBT	None	Mixing/Blending	not addressed
120	Yes	R.J. Brandes Company	Final Report – Water Availability Modeling for the Sulphur River Basin	1999	Texas Natural Resource Conservation Commission	Technical	Sulphur River Basin		Water Availability Model	Water availability analysis for the Sulphur River Basin		Pursuant to Senate Bill 1 passed by the 75th Texas Legislature, the Texas Natural Resource Conservation Commission (TNRCC) must develop or acquire new reservoir/river basin simulation models in order to determine available water in accordance with the Texas Water Code.	The revised Texas A&M WRAP model, now known as WRAP-SIM, has been applied to the Sulphur River Basin in Texas to determine water availability. All 54 water rights in the basin have been modeled for a 57-year period of naturalized streamflows under eight different scenarios (referred to as 'Runs'). The runs consist of three basic sets of conditions: (1) fully authorized diversion amounts and varied return flow amounts (Reuse Runs), (2) varied diversion amounts and varied return flow assumptions (cancellation													
121	Yes	R.J. Brandes Company	Water Availability Modeling for the Sulphur River Basin	1999	Texas Water Development Board																					
122	No	Regional Treated Water System	Water Conservation Plan and Emergency Water Demand Management Plan	2002	Upper Trinity Regional Water District																					
123	Yes	Representatives of Investor-Owned Utility Companies of Texas	Power Generation Water Use in Texas for the Years 2000 Through 2060 Final Report	2003	Texas Water Development Board	Technical	Texas	N/A	Water use in Power Generation	Water use in Power Generation	N/A	The objective of the project is to develop improved methodologies for projecting water demands by steam electric generation water use sector for 50 year planning horizon. This paper describes various water utilizing process in energy generation.	Figure 6-1 shows the future water demand projection for steam electric generation. No Details on Lake Texoma.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
124	No	Resource Economics, Inc	An Economic Analysis of the Mesa Water Supply Alternative for Texas Planning Regions B and C	2001	Mesa Water, Inc.																					
125	Yes	Resource Protection Division Team	Evaluation of Selected Natural Resources in Part of the North-Central Texas Area	1999	Texas Parks and Wildlife Department	Technical	North Central Texas	N/A	Groundwater resources	Groundwater resources	N/A	The purpose of PGMA program is to identify and evaluate areas of Texas(all or parts of 19 Counties) that are experiencing, or are expected to experience, critical groundwater problems and consider appropriate management options.	Few Species are directly dependent on the groundwater resources of the study area, the springs that emanate from the groundwater reserves contribute to the surface water hydrology. Long term decrease in flow can exacerbate water quality problems and impact species dependent on it. there is a trend to less dependence on groundwater from Trinity Aquifer and more dependence on surface water. The construction of reservoirs like Joe Pool Lake, Richland Chamber Reservoir, Cooper Reservoir and Ray Roberts Lake has some	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (from yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternatives if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Source	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Levels (A, C & D)
126	Yes	RRCC	Red River Compact with Supplemental Comments of Legal Advisory Committee	1979	Red River Compact Commission	Technical	Arkansas, Louisiana, Oklahoma, Texas	N/A	Water Distribution among states	Water Distribution among states	N/A	To promote interstate comity and remove the causes of controversy between each of the affected states governing the use, control and distribution of the interstate water of the Red River and its tributaries. To provide a means of active program for conservation of water, protection of lives and property from floods, improvement of water quality, development of navigation and regulation of flow in Red River Basin.	The flow of the mainstem of the Red River is divided equally between Oklahoma and Texas. Both Oklahoma and Texas have form right to 200,000 acre-feet per year from lake Texoma and further quantities to be divided on equal basis. (this comment is on page 11 of pdf)	200,000 Acre-Feet	Surface Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
127	Yes	Sabine River Authority of Texas	Draft Sabine River Basin 2008 Summary Report	2008	Sabine River Authority of Texas, Texas Clean Rivers Program and TCEQ	Technical	Sabine River Basin	Toledo Bend	Water Quality	Water quality summary for the Sabine River Basin pursuant to the Clean Rivers Act.	none discussed	Identify significant issues affecting water quality in the Sabine River Basin and provide sufficient information for the TCEQ, river authorities, and other governmental entities to take appropriate corrective action to maintain and improve water quality.	The majority of the Sabine Basin supports the designated uses. Although there are localized areas of concern, the assessment of water quality indicates a healthy environment. The most serious problems in the Sabine Basin are being addressed through the Orange County TMDL project. The remaining areas of water quality concerns appear to be the result of natural conditions, inappropriate screening levels, or inadequate assessment procedures. In several segments where trends were noted, values were well below stream standards criteria	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Summary of water quality in Toledo Bend: Toledo Bend Reservoir was included on the 303(d) list for mercury in fish tissue. The Texas Department of State Health Services (DSHS) fish consumption advisory is still in effect for largemouth bass and freshwater drum in Toledo Bend Reservoir due to elevated levels of mercury in fish tissue. Elevated pH values were observed at three sites in the reservoir and concerns for NO2 & NO3, Chlorophyll a, and Ammonia were also noted in localized	Data sources used in report: In addition to water quality data collected by SRA-TX, data sets for the inventories have been received from a number of sources including municipalities, government agencies (local, state, and federal), and universities.	n/a	n/a	n/a	n/a
128	Yes	Sabine River Authority of Texas	Water Conservation and Drought Contingency Plan, revised December 1999, March 2002 and March 2005	2006	Sabine River Authority	Planning	Sabine River Basin	Toledo Bend	Water Yield, Water Conservation, Water Supply	Conservation and drought planning for Sabine River Authority	Additional diversion from Toledo Bend Reservoir.	To develop practices, techniques and technologies that will reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water, or increase the recycling and ruse of water so that a water supply is made available for future or alternative uses. To implement a plan to educate suppliers and the public on drought and water conservation.	The study discusses requirements for water conservation and drought planning pursuant to TCEQ rules, conservation practices and strategies, policies and public outreach and education.	The reservoir yield is 2,086,600 ac-ft/yr shared equally between Louisiana and Texas. SRA-Texas has a diversion right of 750,000 ac-ft/yr and has applied for an amendment to its water right permit for an additional 293,000 ac-ft/yr from the Texas portion of Toledo Bend (see Table 5 on page 16).	surface	not discussed	2 – TCEQ to permit it; SRA-TX to manage it.	Upper Sabine Basin Water Supply Study, March 2003, p. 7 referenced on p. 21 of this report.	planning	Additional 293,300 ac-ft/yr of water requested by SRA-Texas mentioned in 2006 Region C Water Plan on page 4D.2	Not discussed.	not mentioned	Not discussed in detail.	not mentioned	n/a	n/a
129	Yes	Sabine River Authority of Texas in cooperation with the Texas Commission on Environmental Quality under the authorization of the Texas Clean Rivers Act	2003 Basin Summary Report: Sabine River Basin, Texas	2004	Sabine River Authority	Technical	Sabin River Basin	Toledo Bend	Water Quality, Environmental Impacts	Water quality summary for the Sabine River Basin pursuant to the Clean Rivers Act.	None discussed	To evaluate water quality throughout the basin and analyze trends in water quality data. Spatial analyses were performed to correlate the water quality conditions with environmental factors.	Overall water quality in Sabine basin is good with the exception of Orange County. The need for additional water quality monitoring sites will be evaluated and recommendations made to Sabine Basin Steering Committee. Toledo Bend Reservoir is designated for water supply use and has adequate water quality with a low concern for potential impacts. Both the TCEQ 303(d) List (2004) and the SRA assessment of overall water quality listed a fish consumption advisory. Recommendations were to conduct a TMDL	n/a	Surface	n/a	none	n/a	planning	Referenced in 2006 Region C Water Plan	Known levels of and overall good/ adequate water quality	Sabine River Authority; TCEQ	n/a	n/a	n/a	n/a
130	n/a	Sabine River Authority, Louisiana	Telephone Conversations with Sabine River Authority, Louisiana	2009	Sabine River Authority, Louisiana	Technical	Toledo Bend and Sabine River Basin	Toledo Bend	Yield, Available Supply, Water Quality	n/a	Toledo Bend	n/a	n/a	Total yield (TX & LA) 2,086,800 ac-ft/yr from 1991 yield study, 1,908,000ac-ft/yr from TCB 2005 yield study with no hydropower (report provided); half of yield to Louisiana. Committed (actual and options) 65,529 ac-ft/year	surface	not available	SRA-TX, SRA-LA, NTMWD, DWU, TRWD	none	n/a	n/a	Good, more yield than expected demand. Use of Louisa water may be limited by lack of Comprehensive State (La) Water Plan	not discussed	FERC (hydropower)	environmental flows	not discussed	not discussed
131	n/a	Sabine River Authority, Texas	Telephone Conversations with Sabine River Authority, Texas	2009	Sabine River Authority, Texas	Technical	Toledo Bend and Sabine River Basin	Toledo Bend	Yield, Available Supply, Water Quality	n/a	Toledo Bend	n/a	200,000 ac-ft/yr for NTMWD, 200,000 ac-ft/yr for DWU, 200,000 ac-ft/yr for TRWD, 100,000 ac-ft/yr for Upper Sabine Basin	Yield just over 1,000,000 ac-ft/yr for Texas based on 1991 Yield Study (equal number for Louisiana). 750,000 ac-ft/yr permitted, of which 20,000 already committed. Permit request for remaining 293,300 submitted and administratively complete to TCEQ, also based on 1991 yield study.	surface	not provided, see other studies; no firm alignment	SRA-TX, NTMWD, DWU, TRWD	none	n/a	Toledo Bend Group Summary Report on Alternatives 9 and 10, and 1991 Yield Study likely references for Region C Plan	Good, more yield than expected demand	Draft Clean Rivers Act report provided	Inter-basin Transfer and FERC (hydropower)	water quality not likely problem; Toledo Bend quality good, low TDS	not discussed	not discussed
132	Yes	Sabine River Compact Administration	2007 Sabine River Compact Administration 53rd Annual Report	2007	Sabine River Authority of Texas; Sabine River Authority of Louisiana	Technical	Sabine River Basin	Toledo Bend	Water Quality, Water Supply, Water Demand	Status Report	Toledo Bend and Sabine River	Provide overall status to meet compact requirement	n/a	not mentioned	surface	none provided	n/a	none	Status Report	none	Diversions from Toledo Bend 2007: Louisiana – 28,961 ac-ft, Texas 4,267 ac-ft	50 monitoring stations in Sabine River Basin, maintained by LDEQ, TCEQ, SRA-TX, USGS	none mentioned	none mentioned	n/a	none mentioned
133	Yes	Schaumburg & Polk, Inc	East Texas Region Plan	2001	East Texas Regional Water Planning Group	Planning	East Texas, Region I	Toledo Bend	Water Supply, Environmental Impacts, Cost of Water Supply, Water Demand	Regional water supply planning	Toledo Bend, Lake Easter, Fastrill and others	Develop water demand projections, analysis of current supplies, development of management strategies.	No inter-basin transfer or transfer to upper basin is discussed.	Reported unpermitted yield of 250,000 ac-ft/yr in Toledo Bend, SRA holds water rights of 750,000 ac-ft/yr	surface and ground water	n/a	n/a	n/a	planning	none	Toledo Bend constructed for multiple purposes	none referenced	n/a	Consideration of environmental flows to Sabine Neches estuary, and limited information concerning the flows.	Recommends consideration of hydropower in determining water supplies.	none mentioned
134	Yes	Schaumburg & Polk; Freese & Nichols; APAI	East Texas Region Special Study No. 1: Inter-Regional Coordination on the Toledo Bend Project	2009	East Texas Regional Water Planning Group	Technical	Region I & Region C	Toledo Bend	Instream Flow, Water Quality, Impact Analysis, Water Supply, Water Transmission, Environmental Impacts, Cost of Water Supply	Analysis of viability of transporting 500,000-700,000 ac-ft/yr of water from Toledo Bend to other lakes in Texas.	Toledo Bend	(1) Coordinate with major participants and confirm supply amounts and delivery locations, (2) review and update schematic transmission routes, (3) identify potential impacts to receiving reservoirs, (4) review naturalized flows to Sabine Lake and compare to TPWD's recommended freshwater inflows, (5) update capital costs and develop life cycle costs for the refined project.	[See pp. 4-19/4-20). Conduct additional study and modeling to better understand relationship between freshwater inflows and various water management strategies / Toledo Bend Pipeline Project is viable to provide water supplies to North Texas Area; cost feasibility is contingent on pipeline route, increasing capital costs, and uncertain energy costs; more detailed analysis will be needed when project moves to development phase. East Texas Region should continue to monitor demand for water and	Maximum potential supply investigated = 700,000 ac-ft/yr. (200,000 ac-ft/yr each for NTMWD, TRWD, DWU and 100,000 ac-ft/yr for SRA) 500,000 without DWU	surface	"For the 700,000 acre-feet per year scenario, the total net present cost is $19.8 billion, with an average life cycle unit cost of $410 per acre-foot of water (adjusted to 2007 dollars). For the 500,000 acre-feet per year scenario, the total net present cost is $15.9 billion or an average unit cost over the 100-year life of $463 per acre-foot (adjusted to 2007 dollars). The life cycle analyses showed that operating costs account for over 70 percent of the total cost over 100 years. Energy cost, which comprises most of the operating costs, is a major factor in the cost feasibility of this project." Assumptions: Raw water purchase cost are not included. Costs appear to be generally based on TWDB methodology.	4-NTMWD, DWU, SRA, TRWD	n/a	planning	n/s	Refined understanding of affect on instream flows (flow to Sabine Lake estuary); future ROW, capital, and energy costs.	n/a	n/a	Possible impacts to receiving reservoirs include altered biodiversity (fish, macroinvertebrates, aquatic plants), water quality, and entrainment of live fishes at intake. Possible impacts to Sabine Lake estuaries and marshed due to reduced freshwater inflow/increased salinity.	n/a	n/a
135	Yes	Shimek, Jacobs and Finklea	Report on Supplemental Water Supply from Pat Mayse Reservoir and Proposed Big Pine Reservoir	1979	North Texas Municipal Water District																					
136	Web	Sulphur River Basin Authority	Sulphur River Basin Summary Report 2000	2000	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	The long-term objectives of the CRP include assessing water quality in the Sulphur River Basin and assisting in identifying management programs to maintain and enhance the water quality	Recommendations for future activities in the Sulphur River Basin include the following: · Develop recommended actions for water quality issues identified on the Preliminary Basin Action Plan. · Establish priorities and conduct monitoring to													
137		Sulphur Springs News Telegram	Sulphur Springs News Telegram - Study group will look at water supply options in NE Texas	2007																					
138		Texas Comptroller of Public Accounts	Liquid Assets: The State of Texas' Water Resources	2009																					

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (firm yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Source	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Years in (C & D)
139	Yes	TCB/AECOM	TCB 2005 Toledo Bend Reservoir Water Availability Study	2005	Toledo Bend Project Join Operations; Sabine River Authority of Texas; and Sabine River Authority of Louisiana	Technical	Toledo Bend	Toledo Bend	Water Yield	Study of yield using WAM modeling	Toledo Bend and Sabine River	Determine yield using WAM (WRAP Model) under two operational (hydropower and environmental) conditions	Reduce yield 9 to 13%	TCEQ WAM methodology, Run 3 2005 Operational Condition A – yield 1,822,000 ac-ft/yr – no modification to hydropower operations, no instream flow requirements, no bay and estuary flow requirements. 2005 Operational Condition B – yield 1,908,000 ac-ft/yr – 0 required hydro diversion, 144 cfs release for downstream aquatic habitat.	surface	none provided	SRA-TX and SRA-LA	none	Engineering	none	good	none reported	FERC re-licensing a factor for releases	instream flows, bay and estuary flows	hydropower, downstream water rights, instream flow releases	none mentioned
140	Yes	TCEQ	Implementation Plan of One Total Maximum Daily Load for DO in Lake O' The Pines	2008	TCEQ	Technical	Lake O' The Pines	Lake O' The Pines	Water Quality	Lake O' The Pines	none	TMDL Study for DO	Segment 0403 listed on Stated 303(d) list as impaired due to low DO. Implementation Plan to achieve pollutant reductions necessary to restore DO levels in the water body	None	Surface	none provided	NETMWD		Chemical		Low DO	Low DO	IBT	none	None	Not addressed
141	Yes	TCEQ	Water Availability for NEW PERPETUAL RIGHTS, Cypress Creek Basin	2008	TCEQ	Technical	Cypress Creek Basin	Cypress Basin	Water Supply	Water Supply	None	Water Supply	None	None	Surface	none provided	NETMWD	None	Engineering	NTMWD, DWU	None	not addressed	IBT	IBT	Transmission, env. Flows	None
142	Yes	TCEQ	Water Rights Permits and Supply Contracts - Active Permits, Austin, various dates	2009	Texas Commission on Environmental Quality	Water Rights Database	Austin	Lake Texoma	Texoma Water Rights	N/A	N/A	N/A	The following Water Rights were found to be associated with Lake Texoma. Diversion Amounts: WR1321 Tanglewood Resort Management - 200 acft, WR4898 Red River Authority - 2000 acft, WR4899 Red River Authority - 250 acft, WR4900 Valley NG Power LLC - 16400 acft, WR4901 City of Denison - 29680 acft, WR5003 North Texas MWD 197000 ac ft.	The total water diversion in the permits allows for 270,560 acft.	Surface Water from Lake Texoma	N/A	This is a database updated by TCEQ.	N/A	N/A	N/A	N/A	N/A	The database lists current permits granted by TCEQ.	N/A	N/A	N/A
143	Yes	TCEQ	Water Rights Permits and Supply Contracts - Data Dictionary, Austin, various dates	2009	Texas Commission on Environmental Quality	N/A	Austin	N/A	N/A	N/A	N/A	N/A	This Document is a guide to using the TCEQ water rights database online. It describes codes and headings from the database.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
144	Yes	TCEQ	Water Rights Permits and Supply Contracts - Inactive Permits, Austin, various dates	2009	TCEQ	N/A	Austin	N/A	Texoma Inactive Water Rights	N/A	N/A	N/A	There was only 1 inactive water right associated with Lake Texoma in this database. It was held by Dallas County Youth Village for 1 acft, it expired in 1991.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
145	Yes	TCEQ	Water Rights Permits and Supply Contracts - Metadata, Austin, various dates	2006	TCEQ	N/A	Austin	N/A	N/A	N/A	N/A	N/A	This document describes where the data for the water rights database was obtained and how it is maintained. It also has contact info to get the metadata for the database.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
146	Online	TCEQ, TPWD and TWDB	Texas Instream Flow Studies: Technical Overview	2008		Technical	State of Texas	Toledo Bend	Socioeconomic impacts, Environmental Impacts	This study is an approach to the process of performing an instream flow assessment. This document serves as a general overview of the requirements of such a study pursuant to Senate Bill 2.	None	To perform scientific and engineering studies to determine flow conditions necessary for supporting a sound ecological environment in the river basins of Texas. This document identifies a general process for developing and conducting those studies and scientific studies to be used to make those determinations.	This document is intended to describe the general framework of the process. It does not provide an exhaustive list of the conditions that might be encountered during instream flow studies in Texas. It does, however, describe the organizational process the Agencies will follow to assess available data, set goals, conduct studies, integrate results, develop and implement recommendations, monitor river conditions, and adapt recommendations as necessary. It also describes the	n/a	n/a	n/a	n/a	n/a	planning	none	n/a	n/a	n/a	n/a	n/a	n/a	n/a
147		Texarkana Gazette	Texarkana Gazette - Telford Opposes reservoir project	2005				Marvin Nichols																			
148	No	Texas Agricultural Experiment Station	Efficient Water Use for Texas: Policies, Tools, and Management Strategies	2002	Texas Agricultural Experiment Station																						
149	Yes	Texas Clean Rivers Program	Summary of River Basin Assessments	1996	Texas Clean Rivers Program	Overview	Cypress Basin	Caddo, Big Cypress Creek, Lake O' The Pines, Lake Bob Sandlin, Lake Cypress Springs	Water Quality	Cypress Basin	none	Stream Segments and Assessments	Lake Cypress Springs low DO, Lake Bob Sandlin low DO, Lake O' The Pines low DO, Little Cypress Springs nutrients and low DO, Black Cypress Low DO	None	None	None	None	None	None	None	Low DO	Low DO	None	None	None	None
150	Web	Texas Commission on Environmental Quality	Sulphur River Basin Highlight Reports 2001	2001	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Program (CRP) - Water Quality Assessments for Sulphur River Basin	See Pages 5													
151	Web	Texas Commission on Environmental Quality	Sulphur River Basin Highlight Reports 2002	2002	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Program (CRP) - Water Quality Assessments for Sulphur River Basin	See Page 3													
152	Web	Texas Commission on Environmental Quality	Sulphur River Basin Highlight Reports 2003	2003	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Program (CRP) - Water Quality Assessments for Sulphur River Basin	See Pages 7 & 10													
153	Web	Texas Commission on Environmental Quality	Sulphur River Basin Highlight Reports 2005	2005	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Program (CRP) - Water Quality Assessments for Sulphur River Basin	See Page 10-12													
154	Web	Texas Commission on Environmental Quality	Sulphur River Basin Highlight Reports 2006	2006	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Program (CRP) - Water Quality Assessments for Sulphur River Basin	Please See Report													
155		Texas Commission on Environmental Quality	Sulphur River Basin Highlight Reports 2007	2007	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Program (CRP) - Water Quality Assessments for Sulphur River Basin	See Page 17-18													
156		Texas Commission on Environmental Quality	Sulphur River Basin Surface Water Quality Monitoring Plan Quality Assurance Project Plan, 2005	2005	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Act (Senate Bill 818) Water Quality Assessments for Sulphur River Basin	Wright Patman Lake, WPL (Segment 0302 and 303) - WPL was listed on the 303(d) List (December 1999) for dissolved oxygen concentrations that are sometimes lower that the standard established to ensure optimum conditions for aquatic life. These conditions existed near the dam and in the upper regions near Hwy 8. The 303(d) List (August 31, 2000) notes that several areas of the lake fail to meet the dissolved oxygen criterion at times. These areas are the upper reservoir, near the dam, and the upper-middle portion of the													
157		Texas Commission on Environmental Quality	Sulphur River Basin Surface Water Quality Monitoring Plan Quality Assurance Project Plan, 2007	2007	Sulphur River Basin Authority	Technical	Sulphur River Basin	Lake Wright Patman	Water Quality	Sulphur River Basin Water Quality Assessments	N/A	Texas Clean River Act (Senate Bill 818) Water Quality Assessments for Sulphur River Basin	Wright Patman Lake, WPL (Segment 0302 and 303) - WPL was listed on the 303(d) List (December 1999) for dissolved oxygen concentrations that are sometimes lower that the standard established to ensure optimum conditions for aquatic life. These conditions existed near the dam and in the upper regions near Hwy 8. The 303(d) List (August 31, 2000) notes that several areas of the lake fail to meet the dissolved oxygen criterion at times. These areas are the upper reservoir, near the dam, and the upper-middle portion of the													
158	No	Texas Forest Service. Best Management Practices Project.	Toledo Bend BMP informer : updating forest landowners on forestry and water quality issues	2003	Texas Forest Service	Technical		Toledo Bend																			

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159	No	Texas Natural Resource Conservation Commission	The State of Texas Water Quality Inventory, four volumes	1996	Texas Natural Resource Conservation Commission																					
160	Yes	Texas Parks and Wildlife	Wright Patman Reservoir Elevation Assessment	2008	Texas Parks and Wildlife	N/A	Lake Wright Patman	Lake Wright Patman	Conservation Pool	Memorandum	N/A	Reservoir Elevation Assessment	N/A	N/A	Surface	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
161	No	Texas Parks and Wildlife Department, Texas Commission on Environmental Quality, and the Texas Water Development Board	Draft Texas Instream Flow Studies: Technical Overview	2003																						
162	Yes	Texas Water Development Board	Analysis of Instream Flows for the Sulphur River: Hydrology, Hydraulics & Fish Habitat Utilization	2004	U.S. Army Corps of Engineers	Technical	Sulphur River Basin	Lake Wright Patman, Marvin Nichols I, Marvin Nichols II, George Parkhouse I. George Parkhouse II	Instream Flows	Sulphur River Basin water development projects impact analysis		This report addresses potential impacts of water development projects to the hydrology, aquatic habitat and flood plain in the Sulphur River basin.	See Page 189-197													
163	Yes	Texas Water Development Board	Volumetric Survey of Wright Patman Lake	1997	U.S. Army Corps of Engineers in cooperation with City of Texarkana	Technical	Lake Wright Patman	Lake Wright Patman	Volumetric Survey	Hydrographic Survey of Lake Wright Patman	N/A	Determine the capacity of the lake at the conservation pool elevation, to perform the survey while the lake was in the flood pool, to mathematically estimate any remaining volume to the top of the flood pool	Wright Patman Lake was formed in 1956. Initial storage calculations estimated the volume at the conservation pool elevation of 222.00 feet to be 145, 300 acre-feet with a surface area of 20,200 acres. At elevation 230.0 feet, the volume was estimated to be 437,250 acre-feet with a surface area of 38,600 acres. Results indicate that the lake's capacity at the conservation pool elevation of 220.0 feet was 110,900 acre-feet and the area was 18,994 acres. At elevation 230.0 feet, the volume was determined to be 392, 740 acre-feet with an area of 34,882	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
164	Yes	Texas Water Development Board and Water Conservation Implementation Task Force	Special Report, Report to the 79th Legislature	2004	Texas Water Development Board																					
165	Yes	Texas Water Development Board, the Navarro County Commissioner's Court, and the Trinity River Authority	Regional Water and Wastewater Facilities Planning for the Richland-Chambers Reservoir Area	1988	Texas Water Development Board																					
166	Austin	Texas Water Quality Board and The Texas National Guard	Report on Wright Patman (Texarkana) Reservoir Bowie and Cass Counties Texas EPA Region VI Working Paper No. 669	1977	Texas Water Quality Board and The Texas National Guard	Technical	Lake Wright Patman	Lake Wright Patman	Water Quality		N/A	The survey was designed to develop, in conjunction with state environmental agencies, information on nutrient sources, concentrations and impacts on selected freshwater lakes as a basis for formulating comprehensive and coordinated national, regional and state management source pollution abatement in lake watersheds.	Please See Conclusion (Page 1-4)													
167	Yes	TNRCC	Texas Water Quality, A Summary of River Basin Assessments	1996	Texas Natural Resource Conservation Commission	Technical	Statewide	Lake Wright Patman	Water Quality	Water quality assessment of each river basin in Texas	N/A	To address the two of the most important questions 1. Is it safe to swim in the body of water? & 2. Can you eat the fish?	Water quality concerns identified for Lake Wright Patman include a concern for nutrients, and a possible concern for pH. Concerns are expressed about excessive sediment loads, which are believed to be carrying the nutrients into lake. These excess nutrients increase plant production, thereby increasing pH levels. The Sulphur River Basin Authority recommends a study be conducted to determine whether nutrients are associated with sediment loading to the lake.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
168	Yes	TNRCC	Texas Water Quality, A Summary of River Basin Assessments	1996	Texas Natural Resource Conservation Commission	Technical	Statewide	Lake Texoma	Water Quality	Water Quality	N/A	The Clean River Program uses Watershed Management approach to indentify and evaluate water quality issues, and to establish priorities for corrective action.	The report provides a water quality assessment on the water bodies in Texas and provide recommendation which water bodies where the fish is not suitable to eat and are not safe of recreation.	N/A	Report Deal with Water Quality not quantity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
169	Yes	TPWD	A Natural Resource Survey for Proposed Reservoir Sites and Selected Stream Segments in Texas	1991	Texas Parks and Wildlife Department	Technical	Texas	Lake Texoma	River Basins and reservoir site assessment	River Basins and reservoir site assessment	N/A	The purpose of the project is to survey river basins and perform an investigative assessment of proposed reservoir sites found in the 1990 Texas Water Plan and to synthesize existing TPWD data and information that is important and should be addressed in the future planning for water development projects.	The study has individual evaluations for each of the 23 reservoir sites. Lake Texoma not in the study.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
170	Yes	TPWD	Ecologically Significant River and Stream Segments of Region C Regional Water Planning Area	2000	Texas Parks and Wildlife Department	Technical	Region C	N/A	Rivers, Surface Water	Rivers, Surface Water	N/A	The purpose of this report is to identify those river and stream segments that meet the outlined criteria and to prepare a report documenting those streams that are deemed to be significant ecological value.	Three hundred and twenty four streams were identified within the boundaries of the Region C Regional Planning Area. Three streams were found to meet biological function criteria, two streams met the hydrologic function and seven streams met the riprap conservation area criteria, while six met the high water quality/exception al aquatic life/high aesthetic value criteria. Only 10 streams out of 324 have been included in the report.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
171	Yes	TPWD (Coastal Fisheries Division), TWDB (Surface Water Availability Division)	Freshwater Inflow Recommendation for the Sabine Lake Estuary of Texas and Louisiana	2005	TPWD, TWDB	Technical	Sabine River Basin	Toledo Bend	Instream flows, Environmental Impacts, Water Supply	Modeling results of the fresh water inflow analysis for the Sabine lake system	n/a	To determine the relationship between freshwater inflow, salinity and fisheries for Sabine Lake. To evaluate the inflow and salinity necessary for biologically suitable and appropriate conditions for Sabine Lake.	Model results indicated that a range of freshwater inflows between 7.1 and 11.6 million acre-feet historically sustained the estuarine environment. Model results estimated that an annual inflow of 9.6 million acre-feet would support optimal fish abundance. Present analysis compared effects of annual flows between 7.1 and 9.6 million acre-feet for 3 segments of the river (upper, mid and lower) with the higher inflow better maintaining appropriate salinities with specified boundaries and better supporting wetlands.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Impacts to wetlands; reduction in fish species; variations in salinity levels	n/a	n/a
172	Yes	Turner, Collie, and Braden, Inc	Long-Range Water Supply Plan, 1990-2050, two volumes	1989	City of Dallas, Dallas Water Utilities	Technical	Dallas Metroplex	N/A	Long term water treatment and reuse needs study	Long term water treatment and reuse needs study	N/A	To ensure adequate water resources for Dallas metropolitan area through the year 2050.	The study recommends revising Dallas' current area by deleting Cooke and Grayson Counties to eliminate duplication of efforts with Greater Texoma Utility Authority. The study provides a new Planning area Boundary for Dallas Water Utilities	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
173	Yes	TWC	Handbook of Texas Online - LAKE HALBERT.	1964	NETMWD	Technical	Cypress Creek Basin	Lake Halbert	Water Supply	Water Supply	None	Water Supply	None	-3500	Surface	none provided	NTMWD, Corsicana	Table 3.1	Engineering	Region C Table 3.1	None	Good	IBT	None	Transmission, env. Flows	None

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (firm yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternatives if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Issues	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both (See Item C & D)
174	Online	TWDB	2006 Region I Water Plan	2006	TWDB	Planning	Region I	Toledo Bend	Water Yield, Water Availability Model, Water Supply, Water Rights, Cost of Water Supply, Water Demand	Regional Water Supply Planning	Toledo Bend, and others	Develop water demand projections, analysis of current supplies, development of management strategies	Recommends transport of 500,000 ac-ft/yr from Toledo Bend to the Upper Basin and Region C. NTMWD – 200,000 ac-ft/yr; TRWD – 200,000 ac-ft/yr. Recommended alternate strategy is for an additional 200,000 ac-ft/yr for DWU. DWU has contractual right of 114,337 ac-ft/yr from Lake Palestine in the Neches Basin in Region I. SRA contracts with Dallas area for 300,000 ac-ft/yr from reservoirs in the Upper Basin.	TCEQ WAM Run 3: 974,500 ac-ft/yr for Year 2000, 947,000 ac-ft/yr for Year 2060 (not including hydropower) Water Right Permit 4658 - 750,000 ac-ft/yr; unpermitted yield of nearly 225,000 ac-ft/yr	surface	Costs provided in Region C report	3-SRA, NTMWD, TRWD (and possibly DWU)	n/a	planning	none	good	TCEQ (see Appendix B)	Sabine Compact (Interstate Compact between States of Texas and Louisiana and authorized by Congress for joint operation of Toledo Bend)	Potential impact to stream flows due to proposed reduction in hydropower releases, with possible increase in TDS associated with lower flows. Also, possible impact on DO. (See Section 5.2)	Sedimentation is projected to reduce the reservoir capacity (see Table A-2). Plan includes reduction in hydropower use.	none mentioned
175	YES	TWDB	Region D, North East Texas Regional Water Plan	2006	TWDB	Technical	North East Texas	Lake Wright Patman, Lake O' The Pines, Sandlin, Mayse, Tawakoni, Lake For, Lake Cherokee, Ellison Cr. Reservoir, Lake Cypress Springs	Water Supply	Water Supply	Groundwater, renew surface water contracts and infrastructure	Regional Water Supply Study	Optimize Groundwater, renew surface water contracts, expand infrastructure	1 Million acre feet	Surface and groundwater	Estimates	NETMWD, Longview	N/A	Engineering		Viable	iron and manganese issues	None	None	Operational Considerations	Not addressed
176	Yes	TWDB	Reservoir Volumetric Survey Data for Lake Texoma	2003	Texas Water Development Board	Technical	Lake Texoma	Denison Dam	Survey	Survey	N/A	The purpose of the survey was to	Table 2 page 6 provides reservoir	Conservation storage	Surface Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
177	Online	TWDB	Water for Texas 2007	2007	TWDB	Planning	State of Texas	Marvin Nichols, Lake Wright Patman, Lake Texoma, Lake O' The Pines, Toledo Bend	Water Quality, Water Supply, Water Rights, Inter-basin Transfers, Water Demand	Statewide water plan for 2007	plan highlights coordination with Region C on use of surface water from Toledo Bend.	To plan for enough water in the future to sustain both cities and rural communities, businesses and industries, and the environment.	TWDB has implemented legislative recommendations based on planning group recommendations for the following issues: • financing of recommended water management strategies • reservoir site designation and acquisition • interbasin transfers of water • environmental water needs • water conservation • expedited amendment process for regional water plans • indirect reuse Policy recommendations for Region I include: • Encourage the legislature to	No firm yield numbers. Table 1.2 on p. 64 states a 20,048 ac-ft/yr water supply for Region I (2010-2060) coming from Toledo Bend.	surface	Toledo Bend Reservoir strategy would provide up to 200,000 acre-feet to the North Texas Municipal Water District and Tarrant Regional Water District—Implementation by: 2050; Capital Cost $1.1 billion. Pg 30 of Region C Summary	not mentioned	n/a	planning	n/a	not discussed	n/a	interbasin transfers	not mentioned	n/a	n/a
178	Austin	Tidwell, Steve R. Texas Water Quality Board.	Intensive surface water monitoring survey for segment no. 0302, Lake Wright Patman	1975	Texas Water Quality Board	Technical		Lake Wright Patman	Water Quality	Intensive surface water monitoring survey for Lake Wright Patman	N/A	1) to determine quantative cause and effect relationships of water quality: 2) to obtain data for updating water quality management plans, setting effluent limits, and where appropriate, verifying the classifications of segments; 3) to set priorities for establishing or improving pollution controls; and 4) to determine any additional water quality management actions required.	Please See Summary (Page 2-4)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
179	Yes	David Petrick	Intensive Surface Water Monitoring Survey for Segment 0403	1975	NETMWD and Texas Water Quality Board	Technical	Cypress Creek Basin	LOP	Water Supply	Water Supply	None	Water Quality	None	None	Surface	none provided	NETMWD	None	Engineering	None	None	Low DO	IBT	N/A	Transmission, env. Flows	None
180	Austin	United States. Army. Corps of Engineers	Periodic inspection report No. 5, Wright Patman Lake, Sulphur River, Texas	1986	United States. Army. Corps of Engineers	Technical	Lake Wright Patman	Lake Wright Patman	Structural Inspection	Periodic inspections and continuing evaluation of completed civil works structures of Lake Wright Patman	N/A	The purpose of the inspection was to evaluate the structural integrity and operational adequacy of the embankment and appurtenant structures.	The embankment, spillway, and outlet works, as indicated inspection observations, are structurally sound and in good condition. No evidence of major distress was observed which would effect the overall safety of project.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
181	No	Upper Trinity Regional Water District	Draft of Little Elm Project: Water Conservation and Drought Management Plan, Lewisville	1990	Upper Trinity Regional Water District																					
182	Yes	URS/Forrest and Cotton, Inc.	Potential Water Supply from Sabine River Basin	1979	North Texas Municipal Water District	Technical	Sabin River Basin	Lake Fork, Toledo Bend, Lake Tawakoni	Water Supply	Water Supply	Lake Tawakoni, Lake Fork, Toledo Bend, Big Sandy, Estes	The purpose of this report is to information on the availability and the cost of raw water supply from the Sabine River Basin.	Short term alternative supply is water from Lake Tawakoni, Lake fork and Toledo Bend for long-term use	206 MGD	Surface	ES Table	NTMWD		Engineering	DWU, TRWD, NTMWD	Amount of Supply Provided	Not addressed	Water Right and IBT	Not addressed	Operational Considerations	Not addressed
183	Yes	URS/Forrest and Cotton, Inc.	Report on Long-Range Water Supply Study to Meet Anticipated Requirements to the Year 2050, (including appendix and supplement)	1975	City of Dallas																					
184	Yes	URS/Forrest and Cotton, Inc.	Report on Potential Water Supply from Sabine River Basin	1979	North Texas Municipal Water District	Technical	Sabin River Basin	Toledo Bend	Water Supply, Water Transmission, Cost of Water Supply, Water Demand	Report on potential available water from existing and proposed reservoirs.	Lake Fork Lake; Toledo Bend; Big Sandy Lake; and Carl. L. Estes Lake	To summarize investigations on alternative water supplies for North Texas Municipal Water District. To present information on the availability and the cost of raw water supply from the Sabine River Basin.	The report concludes that Toledo Bend would be a short-term supply of water but at a much greater cost than other short-term supplies such as Lake Tawakoni. Water from Toledo Bend is also available for long-term use with adequate supply for all projected needs of the District. Discusses the diversion of 77.0 MGD from Toledo Bend Reservoir to Lake Lavon.	Firm yields not discussed.	surface	Pumping costs from Toledo Bend to Lavon Lake is estimated at $15 million + per year; additional costs listed on page 6 of report (for various combinations of water supply and their costs). A supply of 31.2 mgd from Toledo Bend to Mi11 Creek and Longview under such a trade-out would require a facilities investment cost of $36,915,000 (see p.19 of report). From Toledo Bend 162.5 miles of pipeline would be required to deliver water to Lavon Lake. For a 77 MGD supply the investment would be $157 million. Pumping costs would be $5,018,000 per year.	1-NTMWD	n/a	planning	none	Cost; water availability; permitting	none mentioned	none mentioned	none mentioned	Cost of maintaining hundreds of miles of pipeline	none mentioned
185	Yes	URS/Forrest and Cotton, Inc.	Summary of Semi-Final Report on Long-Range Water Supply Study to Meet Anticipated Requirements to the Year 2050	1973	City of Dallas																					
186	Yes	USACE	Final Environmental Assessment, Lake Texoma, Storage Reallocation Study, Lake Texoma, Oklahoma and Texas	2006	U.S. Army Corp of Engineers	Technical	Lake Texoma	Lake Texoma	Water Availability Model, Storage Rights and Availability	Water Availability Model, Storage Rights and Availability	Reallocation from hydropower to water supply	Determine the e impacts of allocating 800,000 acre-feet of hydropower storage to water supply for a total water supply allocation of 450,000 acre-feet.	Reallocation of the 300,000 acre-feet was recommended by USACE. This report contains a water availability model which provides a yield to storage ratio of 1:1031. This report also includes a storage reallocation study which provides current and planned storage contracts in Lake Texoma.	986,730 acre-feet of conservation storage provides 1,088,482 acre-feet per year of potential yield.	Surface Water from Lake Texoma	N/A	N/A	TWDB Volumetric Survey 2003	N/A	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
187	Yes	USACE	Review Plan for Final Environmental Assessment, Lake Texoma, Storage Reallocation Study, Lake Texoma, Oklahoma and Texas	2008	U.S. Army Corp of Engineers	Letter of Approval of Review Plan	Lake Texoma	Lake Texoma	Water Availability Model, Storage Rights and Availability	Approval of Review Plan	Reallocation from hydropower to water supply	Acting Commander's approval of the review plan for the USACE Environmental Assessment of Lake Texoma	Acting Commander's approval of the review plan for the USACE Environmental Assessment of Lake Texoma	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
225	Yes	Butcher, Willis, & Ratlif Corporation, et al	Region D 2001 Water Plan	2001																						
226	Yes	Xu, Weihuan	The Economic Impact of the Proposed Marvin Nichols I Reservoir to the Northeast Texas Forest Industry	2002	Texas A&M University System			Marvin Nichols					Publication 162													
227	Yes	NWF, the Lone Star Chapter of the Sierra Club, TCONR, FUSE, SOS, and Ward Timber Company	Marvin Nichols Reservoir: Refocusing the Debate	2003, updated in 2004				Marvin Nichols																		
228	Yes	Jones, Norman, National Wildlife Foundation	The Potential and Promise of Municipal Water Efficiency Savings in Texas	2006	Texas Water Law Institute																					
229	Yes	Texas Parks and Wildlife Department and U.S. Fish and Wildlife Services	An Assessment of Direct Impacts of Wildlife Habitat from Future Water Development Projects	1990																						
230	Yes	Weinstein, Bernard and Clower, Terry, University of North Texas	The Economic, Fiscal, and Developmental Impacts of the Proposed Marvin Nichols Reservoir Project	March 2003	Sulphur River Basin Authority																					
231	Yes	Paul Price Associates, Inc.	Sulphur River Basin Summary Report 2004 - Final Report	2004	Sulphur River Basin Authority																					
232	Yes	Texas Water Development Board	Volumetric Survey of Wright Patman Lake	May 1997	U.S. Army Corps. of Engineers in cooperation with City of Texarkana																					
233	Yes	USACE - Fort Worth District - http://www.swf-wc.usace.army.mil/wrightpatman/Information/index.asp	U.S. Army Corps of Engineers - Lake Information.	August 2009	Reservoir Control Office - Fort Worth, Texas			Lake Wright Patman																		
234	Yes	Clower, T. L. and L. B. Weinstein	The Economic, Fiscal and Developmental Impacts of the Proposed Marvin Nichols Reservoir Project	March 2003	Sulphur River Basin Authority			Marvin Nichols Reservoir																		
235	Yes	Ray Perryman	Technical memorandum reviewing and critiquing the draft economic impact analysis of the proposed Marvin Nichols Reservoir conducted by Weinstein, L.B. and Clower, T.L. (March 2003) and a review of the economic impact analysis conducted Weihuan, Xu of the Texas Forest Service (August 2002)	December 2002	John Rutledge, Freese & Nichols, Inc.			Marvin Nichols Reservoir																		
236	Yes	Jack Stowe with R.W. Beck & Associates	Socioeconomic Analysis of Selected Interbasin Transfers in Texas	October 2007	TWDB																					

No.	Received	Source/Author/Consultant	Title	Publication Year	Organization	Type of Study	Location of Study	Reservoirs Included	Topics Covered	Subject of Study	Water Supply Alternative	Objectives	Recommendations/Conclusions	Water Supply Volume (Ifrm yield)	Type of Water Supply Alternative	Detailed Cost of Water Supply Alternative	Number & Name of Entities to Develop Water Supply Alternative	Cross Reference	Level of Detail of Study	Reference for Water Supply Alternative if included in Region C Water Plan	Condition of Viability of Water Supply	Water Quality Source	Permitting Requirements	Identified Environmental Impacts	Operational Considerations	Economic Impact for Both Region C & D
237	Yes	Stuart Norvell and K. Kluge	Socioeconomic Impact of Unmet Water Needs	May 2005	TWDB				16 regional water planning regions	Individual Reports for 16 Regional Water Planning Regions. Prepared by the TWDB Office of Water Resource Planning in support of the Northeast Water Planning Group and the 2006 Texas State Water Plan																
238	Yes	J.F. Booker, A.M. Michelsen and F.A. Ward	Economic Impact of Alternative Policy Responses to Prolonged Severe Drought in the Rio Grande Basin	February 2005	Water Resources Research Vol 41, W02026, doi:10.1029/2004WR003486		Rio Grande Basin																			
239	Yes	Jack Stowe with R.W. Beck & Associates	Economic Impact of Lake Ralph Hall	June 2004	Chiang, Patel & Yerby, Inc.		Lake Ralph Hall																			
240	Yes	R.G. Frye and D.A. Curtis, Wildlife Division - Texas Parks and Wildlife Department, and Ecological Services Division, U.S. Fish and Wildlife Service	Texas Water and Wildlife. An Assessment of Direct Impacts to Wildlife Habitat from Future Water Development Projects	May 1990																						
241	Yes	USACE - Fort Worth District	Cypress Valley Watershed Texas. Reconnaissance Report	September 1995; Revised November 1998	Requested by Congressman Jim Chapman (Congressional District Number 1) with support from City of Jefferson, Texas and others																					
242		Waytt C. Hedrick	Water Supply for City of Daingerfield	February 1962	NETMWD																					
243		Minnesota IMPLAN Group, Inc.	IMPLAN Professional User Guide, Analysis Guide, and Data Guide (2nd Edition)	June 2000																						
244		Sara Aase	The Number Factory	February 2008	Twin Cities Business Magazine																					
245		MIG, Inc.	Client Listing: http://implan.com/index.php?option=com%20content&task=view&id=64&Itemid=28	March 24, 2009																						
246		Mr. Walt Sears	Personal conversation Walt Sears	July 2009																						
247	Yes	USACE	US Army Corps of Engineering	N/A	U.S. Army Corps of Engineers, Fort Worth District,	N/A	Lake of the Pines	Lake of the Pines	Operations	Operation of Lake of the Pines	N/A	USACE website - Lake of the Pines Information	N/A		Surface	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
248	Yes	John Jones, TPWD	Sulphur River Management Strategy, Office Memo	2002	TPWD	Planning Evaluation	White Oak Creek Management Area	Jim Chapman (Cooper) and Wright Patman	Operations	Increase reservoir volume	DWU, Alternate Strategy for NTMWD, City of Irving, TRWD, UTRWD	Assess and discussion of raising conservation pool for additional water supply	Maximum storage level of 228.64 feet msl with minimal effect on White Oak Wildlife Management Area.	none	Surface	None	DWU, TRWD, NTMWD, UTRWD, City of Irving	N/A	Planning	DWU, TRWD, NTMWD, UTRWD	Permitting Required, existing reservoir, Congressional approval	None	Congressional, IBT	Effects are minimal to White Oak Creek Wildlife Management Area at 228.64 feet msl	Pumping schedule will address potential issues	None
249	Yes	Brandes, R.J., HDR and Freese and Nichols	Reservoir Site Protection Study	2007	TWDB	Planning	Statewide	Numerous	Reservoir Site Selection	Unique Site Selection for potential reservoirs	N/A	Identify those sites for protection for potential future development of reservoirs	Recommended 16 sites for additional study	N/A	Surface	Cost for land purchase included	N/A	N/A	Planning, Costs	N/A	N/A	N/A	Various	Address of environmental, water quality, hardwood mitigation		N/A	N/A
250		Zach Vernon and Raghavan Srinivasan of Freese and Nichols, Inc.	Land Cover/Use Change Detection Using Spot 5 & Lidar Imagery for the Proposed Marvin Nichols Reservoir Site in Northeast Texas	October 2007	Freese and Nichols, Inc.		Marvin Nichols	Marvin Nichols reservoir																		
251		Freese and Nichols, Inc.	Sulphur River Basin Hydrologic and Hydraulic Models	June 2008	Freese and Nichols, Inc.		Sulphur River Basin			hydrologic and hydraulic models																
252		TWDB	Engineering Data on Dams and Reservoirs in Texas, Part 1. Report 126	October 1974	TWDB			all reservoirs in Texas	all reservoirs in Texas																	
253		TWDB	Reservoir Site Protection Study, Report 370	July 2008	TWDB																					
254		TWDB	Volumetric Survey of Lake O' The Pines	August 3, 1999	TWDB		Lake of the Pines																			
255		Texas Parks and Wildlife Department	Ecologically Significant River and Stream Segments	1999	TPWD																					
256		U.S. Fish and Wildlife Service	Texas bottomland hardwood preservation program, Albuquerque, New Mexico	1985	USFW																					
257		Forrest and Cotton, Inc.	Report on Feasibility Study of Toledo Bend Reservoir	November 1958	Forrest and Cotton, Inc.	Feasibility	Toledo Bend	Toledo Bend Reservoir																		
258		Sabine River Authority of Texas, Sabine River Authority-Louisiana	Toledo Bend Relicensing FERC Project No. 2305 Pre-Application document	September 22, 2008			Toledo Bend																			
259		Sulphur Basin Group	Marvin C. Nichols Reservoir Site Selection Study	January 2003	Sulphur Basin Group	Selection Study	Marvin Nichols	Marvin Nichols Reservoir																		
260		Texas A&M University, Department of Forest Scienee	Texas Forestry Chart Book The Forests and Forest Economy of Texas	December 2000	Texas A&M University	Forests	Texas																			
261		Alan Plummer Associates, Inc. and Freese and Nichols, Inc., Brian K. McDonald, PE	Direct, Non-Potable Reuse Guidance Document	April 2009																						
262		Alan Plummer Associates, Inc. and Freese and Nichols, Inc., Brian K. McDonald, PE	Indirect Reuse Guidance Document	April 2009																						
263		Freese and Nichols, Inc., Stephanie W. Griffin, PE and Rachal A. Ickert, PE	Water Supply Study for Parker and Wise Counties	April 2009		Water supply	Parker and Wise Counties																			
264		Freese and Nichols, Inc, Alan Plummer Associates, Inc., CP&Y, Inc., Thomas C. Gooch, PE	Region C Water Conservation & Reuse Study	April 2009		Conservation and reuse																				
265		Freese and Nichols, Inc, Stephanie W. Griffin, PE and Jeremy Rice	Summary of County-Wide Meetings (Cooke, Fannin, Freestone, Grayson, Kaufman and Navarro) Memorandum	April 14, 2009			Cooke, Fannin, Freestone, Grayson, Kaufman and Navarro Counties																				
266		Freese and Nichols, Inc, Andre Salazar, Tom Gooch, Simone Kie	Toledo Bend Pipeline Project Coordination Activities memorandum (NTD07286)	March 23, 2009		Pipeline coordination	Toledo Bend																			
267		Freese and Nichols, Inc, Alan Plummer Associates, Inc., CP&Y, Inc., HDR, Inc., Stephanie W. Griffin, PE and Thomas C. Gooch, PE	Water Supply Study for Ellis County, Johnson County, Southern Dallas County, and Southern Tarrant County	April 2009		Water supply	Ellis County, Johnson County, Southern Dallas County, and Southern Tarrant County																				
268		Kellogg Brown & Root, Inc., Freese and Nichols, Inc.	Toledo Bend Group Summary Report on Alternatives 9 and 10	Dec. 5, 2003		Water Supply and Demand	Toledo Bend																				
269		Texas Parks & Wildlife	Lake Wright Patman Elevation Increases letter	August 27, 2009	TPWD	Elevations	Wright Patman																			
270		Texas Parks & Wildlife	Lake Wright Patman letter	February 2, 2007	TPWD		Wright Patman																			
271		Texas Parks and Wildlife Dept., Nathan L. Kuhn and G. Chen	Freshwater Inflow Recommendation for the Sabine Lake Estuary of Texas and Louisiana	15-Mar-05	TPWD	B & E Inflow	Sabine River Basin	Toledo Bend																		
272		TCEQ	2008 Texas Water Quality Inventory	19-Mar-08	TCEQ	Water Quality	Sister Grove Creek	Lake Lavon																		
273		Citizens for Lake Texoma	Water Issues Related to Use of Lake Texoma. Exerpt from March 2, 2005 Dallas Long Range Water Supply Plan Briefing to City Council	02-Mar-05	Citizens for Lake Texoma	Water Quality	Lake Texoma	Lake Texoma																		
274		U.S. Army Corps of Engineers	Zebra Mussels	2009	USACE	FW Biology	Lake Texoma, Sister Grove Creek	Lake Texoma, Lake Lavon																		
275		TPWD, Tom Hungerford	Zebra Mussesl found in Lake Texoma and Lake Lavon	26-Aug-09	UltimateBass.com	FW Biology	Lake Texoma, Sister Grove Creek	Lake Texoma, Lake Lavon																		
276		Wm Matthews, M. Schorrs & M. Meador.	Effects of Experimentally enhanced flows on fishes of a small Texas stream: assessing the impact of interbasin transfer.	Oct. 30, 2003	Journal: Freshwater Biology, Vol 35, Issue 2, pgs 349-362	FW Biology	Sister Grove Creek																			
277		S.W. Golladay and C. L. Hax.	Effects of an Engineered Flow Disturbance on Meiofauna in a North Texas Prairie Stream.	Sep-95	Journal of the North American Benthological Society	FW Biology	Sister Grove Creek																			
278		TPWD	Comments on Water Quality Standards, Reservoir Total Dissolved Solids Criteria. May 23, 2008	23-May-08	TPWD	Water Quality	Lake Texoma	Lake Texoma																		
279		J.A. Neal	Texas bottomland hardwood initiative-a State implementation plan for the Lower Mississippi Valley Joint Venture of the North American waterfowl management plan	1989	U.S. Dept. of the Interior, U.S. Fish and Wildlife Service																					