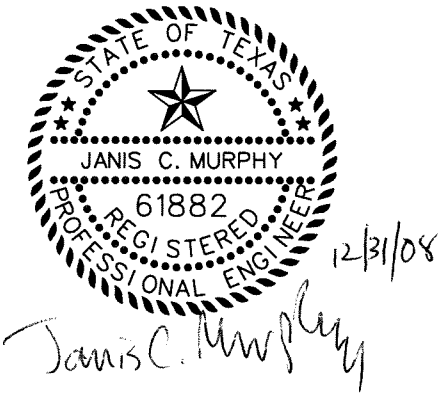
UPDATE TO REPORT 126

December 2008

Prepared for:
Texas Water Development Board



Prepared by

Freese and Nichols, Inc.
4055 International Plaza, Suite 200
Fort Worth, Texas 76109
(817) 735-7300

TWD07387

Freese and Nichols

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1.0 INTRODUCTION

In 1966 the Texas Water Development Board (TWDB) published Report 48 - Dams and Reservoirs in Texas Historical and Descriptive Information, a primarily narrative description of 152 major reservoirs (defined as reservoirs with more than 5,000 acre-feet of storage). In 1973, TWDB updated this report by publishing the three-volume Report 126 - Engineering Data on Dams and Reservoirs in Texas. Rather than a narrative description, Report 126 relies on drawings, tables, photographs and graphics to convey detailed structural, hydraulic, hydrologic and other information on the 161 major reservoirs in existence at that time. The report's comprehensive scope and accuracy has proved to be an invaluable resource to water planners, engineers, state agencies, government officials and others who work with water resources. In June 2007, the TWDB authorized Freese and Nichols (FNI) to gather information for an update of the report. This document summarizes the methodology used and provides a summary of the data collected. All of the data is provided electronically.

2.0 DATA SOURCES

Data in the current Texas Water Development Board (TWDB) database was used as a starting point, then compared to other databases such as the 2006 National Inventory of Dams (2006 NID) and DB07 (Database for 2007 Regional Water Planning). An electronic copy of the database is on the attached CD. FNI consulted many other sources to find plans and pictures of the dams, and any other pertinent information about the dams. These sources included Report 126 published in 1973, engineering and inspection reports, plans of the dams, regional water plans, water rights, volumetric surveys completed by the TWDB, US Army Corps of Engineers reports, bid tabulations

on file with FNI and executed contracts. A summary table with the sources for the major pieces of information is included in Appendix A.

3.0 OWNER SURVEY

Following a preliminary review of these sources, the data on each dam was sent to the corresponding dam owners for verification of the data, as well as additional data that they may have had available. The packets sent to the owners included a summary of the pertinent data of the dam, a letter explaining the purpose of the packet, a glossary of terms, a diagram illustrating the terms in the glossary, and a brief survey. The survey questions included what, if any, modifications had been made to the dam since 1970, the name of the original design engineer and whether FNI could have permission to contact him/her, whether the owner had pictures of the dam and would provide them in a digital format, and whether we could have permission to share information pertaining to the dam with the TWDB. An example of the survey letter is included ion Appendix B.

A few weeks after the packets had been mailed out, follow up calls were made to each owner (when possible) to check that they had received the packet, and to see if they had any questions. Additional follow up phone calls were made to any owners that had not yet responded to the packet. The responses received are included in Appendix C.

4.0 OTHER DATA

Pictures and plans of the dams were requested from the dam owner and in many cases they were provided. In addition, the plans and photos which were available from FNI files were included with the owner's permission. These are included electronically.

APPENDIX A

SUMMARY OF MAJOR DATA SOURCES

Update of Report 126
Summary of Major Data Sources

Data	Major Sources
Name Other Name Impoundment Name (Lake Name) Dam Name	NID 2006 Report 126
Design Engineer Construction Contractor Construction Cost Modification Engineer Modification Contractor Modification Cost	NID 2006 Report 126 Bid Tabs FNI Construction Cost Notebook
Owner Contact Person Telephone Fax Email Address	Owners City/County Websites
Elevation of Top of Conservation Pool (TOC) (feet msl) Dead Pool Elevation (feet msl) Datum Original Conservation Pool Total Volume (acre-feet) Original Surface Area at Top of Conservation Pool (acres) Original Dead Pool Volume (acre-feet) Year Construction Started Year of Completion Year Impoundment Began	Report 126 Volumetric Surveys NID 2006
Last Survey Conservation Pool Total Volume (acre feet) Last Survey Conservation Pool Capacity (acre feet) Last Survey Dead Pool Volume (acre feet) Last Survey Area at Top of Conservation (acres) Date of Last Survey	Volumetric Surveys Owners
Total Drainage Area Contributing Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet msl) Dam Length (feet) Dam Height (feet) Top Width (feet)	NID 2006 Report 126 Volumetric Surveys Owners Engineering Reports
Year(s) of Modifications Description of Modifications	Report 126 NID 2006 Engineering Reports Bid Tabs FNI Construction Cost Notebook Owners
Emergency Spillway Type Emergency Spillway Location Emergency Spillway Elevation (feet msl) Emergency Spillway Width (feet) Max Emergency Spillway Discharge Capacity (cfs)	NID 2006 Report 126 Volumetric Surveys Owners Engineering Reports

Data	Major Sources
Service Spillway Type Service Spillway Location Service Spillway Elevation (feet msl) Service Spillway Width (feet) Max Service Spillway Discharge Capacity (cfs)	NID 2006 Report 126 Volumetric Surveys Owners Engineering Reports
Type of Gates Number of Gates Max Gate Release Capacity (cfs)	NID 2006 Report 126 Volumetric Surveys Owners Engineering Reports
Hydropower No. of Hydropower Units Generation Capacity (MW)	NID 2006 Report 126 Owners
Type of Oulet Works Elevation of Outlet Works (feet msl) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet (feet msl) Discharge Capacity of Water Supply Outlet (cfs) Location of Reservoir Water Supply Outlets	NID 2006 Report 126 Volumetric Surveys Owners Engineering Reports
Yield Type Year 2010 Yield Year 2060 Yield	DB07 Regional Water Plans Owners
On/Off Channel Stream if Off Channel River Basin Stream County Nearest Town Water Planning Region Latitude/Longitude	Report 126 Verified with Google Maps/Google Earth Volumetric Surveys Owners
Upstream/Downstream USGS Gauges Reservoir USGS Gauges	1999 USGS Index of Stations USGS website
Authorized Consumptive Diversions (Multiple Purpose, Municipal, Industrial, Irrigation, Mining, Domestic and Livestock) (acre-feet/year) Total Authorized Consumptive Diversion (acre-feet/year) Total Non-Consumptive Use (acre-feet/year) Water Right Type Water Right or Application Number Permit Number Latest Amendment Authorized Impoundment (are-feet) Priority Date	DB07 TCEQ Water Rights Database Volumetric Surveys
WAM Reservoir ID WAM Control Point ID for Dam	WAMs
Hazard Rating	FNI Inspection Reports NID 2006

NID - National Inventory of Dams
WAM - Water Availability Model
DB07- Datebase from 2007 Regional Water Planning
FNI - Freese and Nichols

TWD07387 T:\Database\Summary of Sources

APPENDIX B

SAMPLE LETTER REQUESTING DATA

Freese
and Nichols, Inc. Engineers Environmental Scientists Architects

4055 International Plaza, Suite 200 Fort Worth, Texas 76109 817 735-7300 817 735-7491 fax www.freese.com

June 3, 2008

Exelon Generation
Randy Tipton
2233A Mt Creek Parkway
Dallas, TX 75211

RE: Mountain Creek Dam

Dear Randy Tipton:

On behalf of the Texas Water Development Board, Freese and Nichols, Inc., is collecting data for an update to the Texas Water Development Board's 1973 Report 126 "Dams and Reservoirs in Texas." You are receiving this letter as a result of your structure, Mountain Creek Dam, being on the list of reservoirs to be included for this update.

Information has been collected on your structure through various agencies such as the Texas Water Development Board (TWDB) and the Texas Commission on Environmental Quality (TCEQ). Included with this letter is a datasheet on all the information which has been collected on your structure. Please review this datasheet for any information which may not be correct, and fill in any information which we are currently missing. We have included a drawing which shows a typical dam section and a glossary of terms.

This information is being collected by the Texas Water Development Board and will be used only to update this report. The data will become the property of the Board.

If you have any questions or concerns about completing the attached datasheet please contact me at (817) 735-7345. Completed datasheets can be returned by mail to the address listed below, by Email to jcm@freese.com, or by fax at (817) 734-7491.

Freese and Nichols, Inc.
Janis Murphy, P.E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

Sincerely,

Janis C. Murphy

Janis C. Murphy, P.E.

Attachments Mountain Creek Dam Datasheet

[TWD07387]T:\LET\Datasheet Cover Letter.doc

		Comments
Name	Mountain Creek Lake	
Impoundment Name		
Dam Name	Mountain Creek Dam	
Owner	Exelon Generation	
Contact Person	Randy Tipton	
Telephone	214-623-1018	
Fax	214-623-1096	
Email	randy.tipton@exeloncorp.com	
Address	2233A Mt Creek Parkway Dalla	
Elevation of TOC (feet)	457	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	22840	
Original Surface Area at TOC (acre)	2710	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	22840	
Last Survey Conservation Pool Capacity (acre-feet)	22840	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	2710	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	295	
Contributing Drainage Area ($mile^2$)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	467	
Dam Length (feet)	8200	
Dam Height (feet)	47	
Top Width (feet)	16	
Comments Dam General		
Year(s) of Modifications	1999	
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location	center of Dam	
Emergency Spillway Elevation (feet above MSL)	431	

		Comments
Emergency Spillway Length (feet)	204	
Maximum Emergency Spillway Discharge Capacity (cfs)	135274	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	431	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	6	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	6400	
Year 2060 Yield (acre-feet)	6400	
River Basin	Trinity	
Stream	Mountain Creek	
County	Dallas	
Nearest town	Grand Prairie	
Distance from Nearest Town (miles)	4 miles SE	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	32.7317	
Dam Central Longitude	-96.9433	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	6400	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3408	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	22840	
Priority Date(s)	03/12/1929	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☐ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☐ No

Can you furnish them in a digital format?

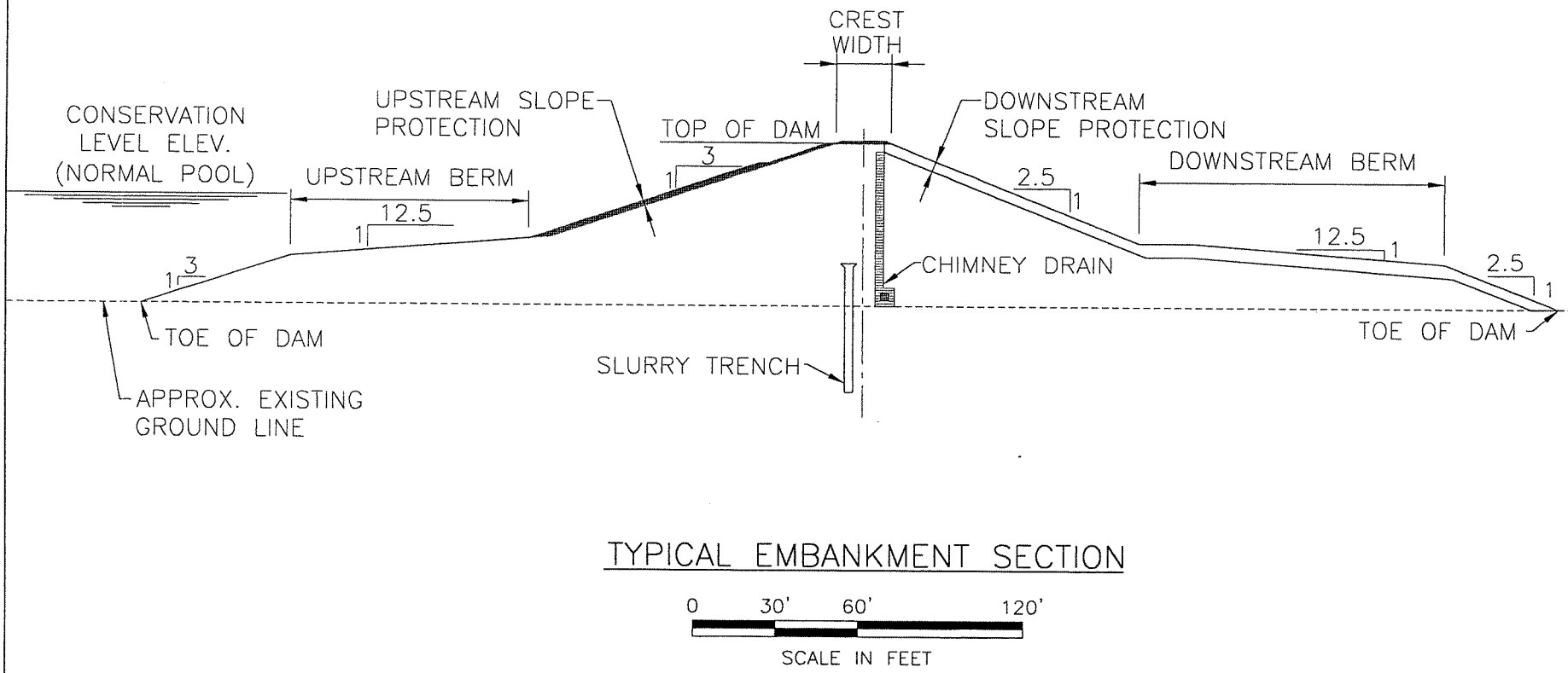
☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No

Thank you for your time!

Freese and Nichols
4055 International Plaza, Suite 200
Fort Worth, Texas 76109-4895
Phone - (817) 735-7300
Fax - (817) 735-7491



TYPICAL EMBANKMENT SECTION

0 30' 60' 120'

SCALE IN FEET

TYPICAL EMBANKMENT SECTION

F&N JOB NO.	TWD07387
DATE	5/30/08
SCALE	1"=80'
DESIGNED	JCM
DRAFTED	NBB
FILE	CV-DAM-SC-SECT01.DWG
FIGURE	1

Date: May 30, 2008 - 9:29am User: nbb File: N:\wr\CV-DAM-SC-SECT01.DWG

GLOSSARY OF TERMS

Abutment That part of a valley side against which a dam is constructed. Right and left abutments are those on respective sides of an observer looking downstream.

Berm A horizontal step or bench in the sloping profile of an embankment dam.

Conduit A closed channel for conveying discharge through or under a dam.

Crest Length The length of the top of a dam, including the length of the spillway, powerhouse, navigation lock, fish pass, etc., where these structures form part of the length of a dam. If detached from a dam, these structures should not be included.

Crest of Dam Often used when "top of dam" is meant. To avoid confusion, *crest of spillway* and *top of dam* may be used to refer to the overflow section and the dam proper, respectively.

Dam A barrier built across a watercourse for impounding or diverting the flow of water.

Drainage Area An area that drains naturally to a particular point on a river.

Embankment A slope of fill material, usually earth or rock, that is longer than it is high. The sloping side of a dam.

Earth Dam (Earthfill Dam) An embankment dam in which more than 50 percent of the total volume is formed of compacted fine-grained material obtained from a borrow area.

Homogeneous Earthfill Dam An embankment dam constructed of similar earth material throughout, except internal drains or drainage blankets; distinguished from a zoned earthfill dam.

Hydraulic Fill Dam An embankment dam constructed of materials, often dredged, that are conveyed and placed by suspension in flowing water.

Rockfill Dam An embankment dam in which more than 50 percent of the total volume comprises compacted or dumped pervious natural or crushed rock.

Rolled Fill Dam An embankment dam of earth or rock in which the material is placed in layers and compacted using rollers or rolling equipment.

Zoned Embankment Dam An embankment dam composed of zones of materials selected for different degrees of porosity, permeability and density.

Foundation of Dam The natural material on which the dam structure is placed.

Gate A device in which a leaf or member is moved across the waterway from an external position to control or stop the flow.

Bulkhead Gate A gate used either for temporary closure of a channel or conduit to empty it for inspection or maintenance or for closure against flowing water when the head difference is small, e.g., for diversion tunnel closure. Although a bulkhead gate is usually opened and closed under nearly balanced pressures, it nevertheless may be capable of withstanding a high pressure differential when in the closed position.

Crest Gate (Spillway Gate) A gate on the crest of a spillway to control overflow or reservoir water level.

Emergency Gate A standby or reserve gate used only when the normal means of water control is not available.

Fixed Wheel Gate (Fixed-Roller Gate, Fixed-Axle Gate) A gate having wheels or rollers mounted on the end posts of the gate. The wheels bear against rails fixed in side grooves or gate guides.

Flap Gate A gate hinged along one edge, usually either the top or bottom edge. Examples of bottom-hinged flap gates are tilting gates and *belly gates*, so called due to their shape in cross-section.

Flood Gate A gate to control flood release from a reservoir.

Guard Gate (Guard Valve) A gate or valve that operates fully open or closed. It may function as a secondary device for shutting off the flow of water in case the primary closure device becomes inoperable, but is usually operated under conditions of balanced pressure and no flow.

Outlet Gate A gate controlling the outflow of water from a reservoir.

Radial Gate (Tainter Gate) A gate with a curved upstream plate and radial arms hinged to piers or other supporting structures.

Regulating Gate (Regulating Valve) A gate or valve that operates under full pressure and flow to throttle and vary the rate of discharge.

Slide Gate (Sluice Gate) A gate that can be opened or closed by sliding it in supporting guides.

Gravity Dam A dam constructed of concrete, masonry, or both that relies on its weight for stability.

Height Above Lowest Foundation The maximum height from the lowest point of the general foundation to the top of the dam.

Hydraulic Height The height to which water rises behind a dam and the difference between the lowest point in the original streambed at the axis of the dam and the maximum controllable water surface.

Low-Level Outlet (Bottom Outlet) An opening at a low level from a reservoir generally used for emptying or for scouring sediment and sometimes for irrigation releases.

Normal Water Level For a reservoir with a fixed overflow sill the lowest crest level of that sill. For a reservoir whose outflow is controlled wholly or partly by movable gates, siphons or other means, it is the maximum level to which water may rise under normal operating conditions, exclusive of any provision for flood surcharge.

Parapet Wall A solid wall built along the top of a dam for ornament, for the safety of vehicles and pedestrians, or to prevent overtopping.

Probable Maximum Flood (PMF) A flood that would result from the most severe combination of critical meteorologic and hydrologic conditions possible in the region.

Riprap A layer of large stones, broken rock, or precast blocks placed randomly on the upstream slope of an embankment dam, on a reservoir shore, or on the sides of a channel as a protection against wave action. Very large riprap is sometimes referred to as armoring.

Slope (a) The side of a hill or mountain. (b) The inclined face of a cutting or canal or embankment. (c) Inclination from the horizontal. In the United States, it is measured as the ratio of the number of units of horizontal distance to the number of corresponding units of vertical distance. The term is used in English for any inclination and is expressed as a percentage when the slope is gentle, in which case the term *gradient* is also used.

Slope Protection The protection of a slope against wave action or erosion.

Spillway A structure over or through which flood flows are discharged. If the flow is controlled by gates, it is a controlled spillway; if the elevation of the spillway crest is the only control, it is an uncontrolled spillway.

Auxiliary Spillway (Emergency Spillway) A secondary spillway designed to operate only during exceptionally large floods.

Fuse-Plug Spillway An auxiliary or emergency spillway comprising a low embankment or a natural saddle designed to be overtopped and eroded away during a very rare and exceptionally large flood.

Primary Spillway (Principal Spillway) The principal or first-used spillway during flood flows.

Shaft Spillway (Morning Glory Spillway) A vertical or inclined shaft into which flood water spills and then is conducted through, under, or around a dam by means of a conduit or tunnel. If the upper part of the shaft is splayed out and terminates in a circular horizontal weir, it is termed a "bellmouth" or "morning glory" spillway.

Side Channel Spillway A spillway whose crest is roughly parallel to the channel immediately downstream of the spillway.

Stilling Basin A basin constructed to dissipate the energy of fast-flowing water, e.g., from a spillway or bottom outlet, and to protect the riverbed from erosion.

Toe of Dam The junction of the downstream face of a dam with the ground surface, referred to as the *downstream toe*. For an embankment dam the junction of upstream face with ground surface is called the *upstream toe*.

Top of Dam The elevation of the uppermost surface of a dam, usually a road or walkway, excluding any parapet wall, railings, etc.

APPENDIX C

RESPONSES RECEIVED

Freese
and Nichols, Inc. Engineers Environmental Scientists Architects

4055 International Plaza, Suite 200 Fort Worth, Texas 76109 817 735-7300 817 735-7491 fax www.freese.com

June 3, 2008

International Boundary & Water Comm. (United States and Mexico)
Kenneth J. Breiten
HCR #3 HWY. 90
P.O. Box 37
Del Rio, TX 78840

RE: International Amistad Dam

Dear Kenneth J. Breiten:

On behalf of the Texas Water Development Board, Freese and Nichols, Inc., is collecting data for an update to the Texas Water Development Board's 1973 Report 126 "Dams and Reservoirs in Texas." You are receiving this letter as a result of your structure, International Amistad Dam, being on the list of reservoirs to be included for this update.

Information has been collected on your structure through various agencies such as the Texas Water Development Board (TWDB) and the Texas Commission on Environmental Quality (TCEQ). Included with this letter is a datasheet on all the information which has been collected on your structure. Please review this datasheet for any information which may not be correct, and fill in any information which we are currently missing. We have included a drawing which shows a typical dam section and a glossary of terms.

This information is being collected by the Texas Water Development Board and will be used only to update this report. The data will become the property of the Board.

If you have any questions or concerns about completing the attached datasheet please contact me at (817) 735-7345. Completed datasheets can be returned by mail to the address listed below, by Email to jcm@freese.com, or by fax at (817) 734-7491.

Freese and Nichols, Inc.
Janis Murphy, P.E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

Sincerely,

Janis C. Murphy

Janis C. Murphy, P.E.

Attachments International Amistad Dam Datasheet

[TWD07387]T:\LET\Datasheet Cover Letter.doc

		Comments
Name	Amistad, International Reservoir	
Impoundment Name	Amistad Reservoir	
Dam Name	International Amistad Dam	
Owner	International Boundary & Water Com	
Contact Person	Kenneth J. Breiten	MR. BENITO GARCIA
Telephone	830-775-2437	
Fax	830-775-5956	
Email	kenbreiten@ibwc.state.gov	bgarcia@ibwc.gov
Address	HCR #3, Box 37, HWY. 90 West Del	
Elevation of TOC (feet)	1117	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	3505400	
Original Surface Area at TOC (acre)	64900	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	3151267.106	
Last Survey Conservation Pool Capacity (acre-feet)	3151267.106	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	64900	
Date of Last Survey	6/14/1905	
Last Survey Performed by		
Total Drainage Area (mile^2)	126423	
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, hydroelec, irrigation, rec	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1152.3	
Dam Length (feet)	32000	
Dam Height (feet)	254	
Top Width (feet)	35	
Comments Dam General	dam is earthfill and concrete; 9585 ft	
Year(s) of Modifications	1996	
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	1086.4	

		Comments
Emergency Spillway Length (feet)	800	
Maximum Emergency Spillway Discharge Capacity (cfs)	1507000	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	16	
Maximum Gate Release Capacity (cfs)	1300000	
Hydropower (Y/N)	Y	
No. of Hydropower Units		
Generation Capacity (mW)	160	
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	U.S.: 930 Mexico: 965	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	1067310	
Year 2060 Yield (acre-feet)	979476	
River Basin	Rio Grande	
Stream	Rio Grande River	
County	Val Verde (Estado de Coahuila, Mexi	
Nearest town	Del Rio	
Distance from Nearest Town (miles)	12	

		Comments
Direction from Nearest Town	NW	
Dam Central Latitude	29.4497	
Dam Central Longitude	-101.0583	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	2147279	
Total Non Consumptive Use (Ac-Ft/Yr)	1500000	
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	P3603, 3880	
Permit Number(s)	3603	
Latest Amendment	A	
Authorized Impoundment		
Priority Date(s)	05/08/1978	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Amistad

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Division Design Engineer USIBWC, El Paso, Tx. 915-832-4158 (Tony Solo)

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format? Contact Paul Gibson 830-775-2437 (Amistad Dam) (pagibson@ibwc.gov

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes Photos ☒ No Design

Thank you for your time!

AD DAM AND RESERVOIR
AND MEXICO

RESERVOIR

	Capacity acre-feet	(m^3 x 1000)
Superstorage	407,000	(502,000)
Flood Control	1,744,000	(2,151,200)
Silt & Conservation	3,384,000	(4,174,000)
	5,535,000	(6,827,200)

	Elevation (m.s.l.) ft.	m.	Area acres	(hectares)
Top of Super-storage pool	1145.1	(349.025)	89,000	(36,000)
Top of normal flood control pool	1140.4	(347.59)	84,000	(34,000)
Top of Conser-vation pool	1117.0	(340.46)	65,000	(26,300)
Lowest water outlet	930.0	(283.46)	700	(280)

SPILLWAY

Discharge capacity.....1,507,000 cfs (42,670 m^3/s)

Ogee type crest with 16 tainter gates 50 ft. x 54 ft. (15.2 m x 16.5 m)

Crest elevation .....1086.4 ft. (331.13 m)

Stilling basin-horizontal apron, hydraulic jump type, 950 ft. (289.6 m) wide, 226.75 ft. (69.113 m) long

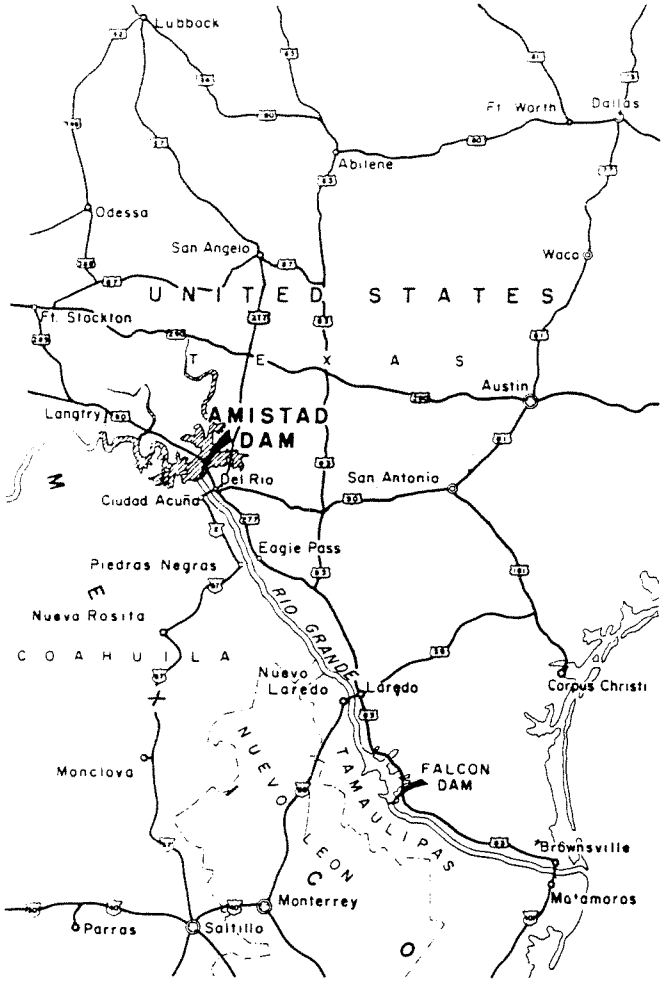
PENSTOCKS

U.S. - 5 Penstocks - 14.5 ft. (4.42 m) dia. with sill elev. 930.0 ft (283.36 m)

Mex. - 4 Penstocks - 15.75 ft. (4.80 m) dia. with sill elev. 965.22 ft. (294.20 m)

LEGEND

ft.	- feet
cfs	- cubic feet per second
r.p.m.	-revolutions per minute
m.s.l.	-mean sea level
lbs.	-pounds
KW	-Kilowatts
Hp	-Horsepower
m	-meters
m^3	-cubic meters
m^3/s	-cubic meters per second



HIGHWAY DISTANCES TO THE DAM FROM POINTS IN:

UNITED STATES

DEL RIO	13 MILES	(21 KM)
SAN ANTONIO	167 MILES	(269 KM)
AUSTIN	245 MILES	(394 KM)
SAN ANGELO	170 MILES	(274 KM)
DALLAS	441 MILES	(710 KM)

MEXICO

CIUDAD ACUÑA	14 MILES	(23 KM)
PIEDRAS NEGRAS	68 MILES	(109 KM)
NUEVO LAREDO	183 MILES	(295 KM)
MONTERREY	398 MILES	(641 KM)
MATAMOROS	413 MILES	(665 KM)

AMISTAD DAM
AND
POWER PLANTS

COMISION INTERNACIONAL DE LIMITES Y AGUAS
INTERNATIONAL BOUNDARY AND WATER COMMISSION

Under Supervision of the
INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES & MEXICO

GENERAL RULES AND REGULATIONS

For Public Use of Reservoir
by
United States Residents

1. Boating on the U.S. portion of reservoir is subject to applicable laws of the United States and the State of Texas as administered by the National Park Service and the Texas Parks and Wildlife Department.

2. Persons operating boats from the U.S. shore are not subject to special boating restrictions on the Mexican portion of reservoir unless they land on the Mexican shore, at which time they are subject to Mexican laws.

3. Residents of the United States, boating on the reservoir are not subject to U.S. Immigration or Customs inspection provided they do not land in Mexico or take aboard anything from Mexico.

4. Persons fishing and hunting on the U.S. portion of the reservoir are subject to applicable Federal and State Laws, and on the Mexican portion to the applicable laws of that country.

5. With the exception of the recreational areas under the jurisdiction of the National Park Service, all lands on the U.S. side above the top of the Flood Control Pool are privately owned.

6. For particulars with respect to Amistad Recreation Areas, contact National Park Service, United States Department of the Interior, Amistad Recreation Area, P.O. Box 420367, U.S. Highway 90 West, Del Rio, Texas 78842-0367.

U.S. POWER PLANT

Average Annual U.S. generation = 161,000,000 kilowatt hours

Design Head = 176 feet (53.6 m)

Max Net Operating Head 234 feet (71.3 m)

Min. Net Operating Head 115 feet* (35 m)
* Francis type high head turbine. Plant also equipped with a low head turbine with a design head of 150 feet (45.7 m) to operate to a minimum of 98 feet (29.9 m) head.

Normal river tailwater elevation = 900 feet (274.3m) m.s.l.

Normal flow through each turbine at rated load = 2,300 cfs(65 m ^{3}/s)

Turbine - Generator Shaft diameter = 25 inches (63.5 cm)

Turbine - Generator Speed 200 r.p.m.

Generator voltage = 13,800 volts

Transmission line voltage = 138,000 volts

Powerhouse 180 feet (54.9 m) long and 52 feet (15.9 m) wide

Powerhouse road and deck elevation = 930 feet (283.5 m) m.s.l.

Bridge Crane Capacity = 250,000 lbs. (113.4mt)

Two units: Generators 33,000 KW each
Turbines 42,300 Hp each

MEXICO POWER PLANT

Similar to U.S. Power Plant with equal generating capacity

THE INTERNATIONAL AMIS
UNITED STATE

DAM

Location - on the Rio Grande 12 river miles (19 km) northwest of Del Rio, Texas, 574 river miles (924 km) above the mouth of the Rio Grande, and 1 mi. (1.6 km) below confluence of the Devils River.

Purpose - Flood control, water conservation, hydroelectric power, and recreation.

Constructed by U.S. & Mexico pursuant to Water Treaty of 1944. Dam constructed 1963-1969. U.S. Power Plant constructed 1980-1983. Mexico's Power Plant constructed 1981-1987.

Dedicated by President Nixon of U.S. and President Diaz Ordaz of Mexico - September 8, 1969.

Type - Concrete gravity section in river channel with flanking earth embankments.

Length -

U.S.	9,585 ft. (2,921 m)
Mexico	22,437 ft. (6,839 m)
Total	32,022 ft. (9,760 m)

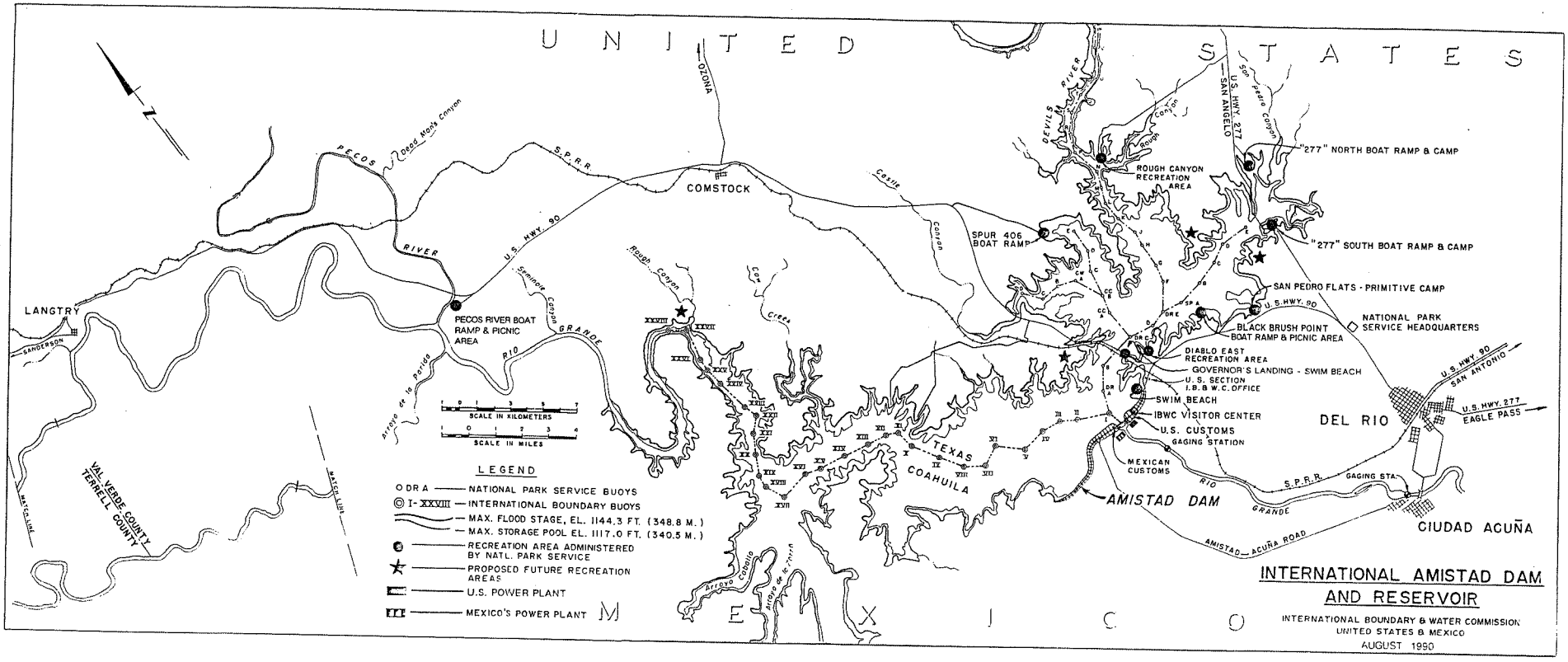
Height -
Roadway is 254 ft. (77.4 m) above riverbed and 1,152.3 ft. (351.2 m) above mean sea level.

Construction Features of Amistad Dam:

Rock excav.	3,100,000 cu. yds.	(2,370,000 m^3)
Embankment	13,500,000 cu. yds.	(10,320,000 m^3)
Riprap	1,755,000 cu. yds.	(1,340,000 m^3)
Concrete	1,800,000 cu. yds.	(1,375,000 m^3)
Reinforcing steel	6,000 tons	(5,400 mt)
Structural steel	6,500 tons	(5,900 mt)

Cost - $72,318,000 - U.S. Share of Dam
- $30,894,000 - U.S. Powerplant

Relocations:
Southern Pacific Railroad - 14.3 mi. (23 km) of main line track and Devils River R.R. Bridge. Highways - 19 mi. (31 km) of U.S. Hwys. 90 and 277 and Devils River and San Pedro Canyon Bridges.



INTERNATIONAL AMISTAD DAM AND RESERVOIR

INTERNATIONAL BOUNDARY & WATER COMMISSION
UNITED STATES & MEXICO
AUGUST 1990

WICHITA COUNTY WATER IMPROVEMENT DISTRICT No. 2
402 E. SCOTT
Wichita Falls, Texas 76301
(940) 767-6721

August 8, 2008

Freese and Nichols, Inc.
Attn: Janis Murphy, P. E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

Dear Janis Murphy,

Enclosed is the update of data forms your office requested. Should you have questions concerning the data, please contact me.

Sincerely,

Kyle W. Miller
General Manager

KWM/RMH

Lake Kemp

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

[X] Yes [ ] No [ ] Unknown

If so, what modifications were made and when?

Reconstruction of Lake Kemp Dam and Spillway - 1974

Repainted outlet gates at Lake Kemp - 2005

May we contact the design engineer for additional information or for copies of the plans?

[X] Yes [ ] No [ ] Unknown

Design Engineer U. S. Army Corps of Engineers

Do you have any representative photographs which the Texas Water Development Board can have?

[ ] Yes [X] No

Can you furnish them in a digital format?

[X] Yes [ ] No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

[X] Yes [ ] No

Thank you for your time!

Lake Diversion

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

1992 Addition to spillway - construction of roller compacted spillway in the Lake Diversion Dam

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Biggs and Mathews

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Diversion, Lake	
Impoundment Name		
Dam Name	Lake Diversion Dam	
Owner	Wichita CWID #2 & City of Wichita Falls	
Contact Person	Kyle Miller	
Telephone	940-767-6721	
Fax	940-767-6722	
Email	wcwid2@cbc.global.net	
Address	402 E. Scott Wichita Falls, TX 76303	
Elevation of TOC (feet)	1,052.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	40,000	
Original Surface Area at TOC (acre)	3,133	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	33,420	
Last Survey Conservation Pool Capacity (acre-feet)	33,420	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	3,133	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	2,194	
Contributing Drainage Area (mile^2)		
Main Purposes	Irrigation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,074	
Dam Length (feet)	4,120	
Dam Height (feet)	55 (Report 126), 51 (NID 2006)	
Top Width (feet)	16	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	1051+	
Emergency Spillway Length (feet)	308 (Report 126), 314 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	377,626	
Service Spillway Type	controlled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,042	
Service Spillway Length (feet)	60	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	Gated concrete structure, gates each 5x8.5 ft	
Type of Gates	slide(sluice)	
Number of Gates	12	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	1,020.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Red	
Stream	Wichita River	
County	Archer	
Nearest town	Dundee	
Distance from Nearest Town (miles)	6	

		Comments
Direction from Nearest Town	NW	
Dam Central Latitude	33.82	
Dam Central Longitude	-98.9367	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	193,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5123	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	45,000	
Priority Date(s)	10/02/1920	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Kemp, Lake	
Impoundment Name		
Dam Name	Lake Kemp Dam	
Owner	Wichita CWID #2 & City of Wichita Falls	
Contact Person	Kyle Miller	
Telephone	940-767-6721	
Fax	940-767-6722	
Email	wcwid2@cbc.global.net	
Address	402 E. Scott Wichita Falls, TX 76303	
Elevation of TOC (feet)	1,144.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	319,600	
Original Surface Area at TOC (acre)	16,540	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	245,434	
Last Survey Conservation Pool Capacity (acre-feet)	245,308	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	15,357	
Date of Last Survey	38749	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	2,086	
Contributing Drainage Area ($mile^2$)		
Main Purposes	municipal, irrigation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,183	
Dam Length (feet)	8,890	
Dam Height (feet)	115	
Top Width (feet)	top width at outlet work 52 ft, top width typical embankment	
Comments Dam General		
Year(s) of Modifications	1969	
Description of Modifications	rebuilt dam	
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	right side of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	1160	
Emergency Spillway Length (feet)	3000	
Maximum Emergency Spillway Discharge Capacity (cfs)	534,300	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	1,090.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	90,417	
Year 2060 Yield (acre-feet)	39,250	
River Basin	Red	
Stream	Wichita River	
County	Baylor	
Nearest town	Mabelle	
Distance from Nearest Town (miles)	6	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	33.755	
Dam Central Longitude	-99.145	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	0	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5123	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	318,000	
Priority Date(s)	10/02/1920	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

CRMWD Dams

Janis Murphy

From: Chris Wingert [cwingert@crmwd.org]
Sent: Friday, June 20, 2008 10:34 AM
To: Janis Murphy
Subject: Request for information

Janis-

The District received your letter dated June 3, 2008 requesting information and verification of data on 6 of the District's dams. From our telephone conversation, I gather this is request was made on behalf of the TWDB in an effort to update their dam inventory report (Report 126), We understand updated information on dams would be useful for the TWDB, TCEQ, and various engineering firms throughout the State. Given this distribution, we expect the information will become "public knowledge" and be available to virtually anyone.

Therefore, the District has a concern from a dam security standpoint. Dam location, dam height, structure configuration, gate set-up, spillway geometry, and other information which will be contained in the updated report could assist a would-be terrorist is damaging the structure. While some of this information may already be available through other public channels, we see no reason to consolidate this into a complete report that could be used to harm our facilities.

Thus we are declining to respond to your request at this time.

CW

Chris Wingert
Planning & Development Manager
Colorado River Municipal Water District
P. O. Box 869
Big Spring, Texas 79720
(432) 267-6341
cwingert@crmwd.org

Ballinger

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer HDR

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

CAN TAKE PICTURES IF NEEDED.

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Ballinger / Lake Moonen, Lake	
Impoundment Name	Ballinger Municipal Lake	
Dam Name	Ballinger Municipal Lake Dam	
Owner	City of Ballinger	
Contact Person	Randy Everett	
Telephone	915-365-3116	
Fax	915-365-4846	
Email	no email	
Address	P.O. Box 497 Ballinger, TX 76821	
Elevation of TOC (feet)	1,668.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	6,850	
Original Surface Area at TOC (acre)	500	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	6,850	
Last Survey Conservation Pool Capacity (acre-feet)	6,850	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	500	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)		
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,702	
Dam Length (feet)	6,200	
Dam Height (feet)	76	
Top Width (feet)		
Comments Dam General	homogenous earth dam	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	1673.5	
Emergency Spillway Length (feet)	1000	
Maximum Emergency Spillway Discharge Capacity (cfs)	234,034	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,668	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	uncontrolled	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY-S	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)	0	
River Basin	Colorado	
Stream	Valley Creek and Quarry Creek	
County	Runnels	
Nearest town	Ballinger	
Distance from Nearest Town (miles)	5	

		Comments
Direction from Nearest Town	W	
Dam Central Latitude	31.7333	
Dam Central Longitude	-100.0377	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	1,685	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C1072, C1073, C1074, C1075, C1129, C1130	
Permit Number(s)		
Latest Amendment	1072B, 1073A, 1074A, 1075A, 1129A, 1130A	
Authorized Impoundment	6,850	
Priority Date(s)	10/04/1946, 04/06/1925, 11/03/1913, 02/07/1930, 06/11/1914, 03/06/1929, 02/25/1957	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

CITY OF BRADY
900 W 1st St - P.O. Box 351
Brady, TX 76825
Phone: 325-597-2244
Fax: 325-597-0556

FAX COVER LETTER

DATE: 8/1/08

TO: Nicole Hindley

COMPANY: Freese and Nichols Inc

FAX NO. 817-735-7491

FROM Lupe Beam

NUMBER OF PAGES: 2 (INCLUDING THIS COVER LETTER)

COMMENTS:

Brady

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☐ No ☑ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer U. S. Dept of Agriculture

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

Nicole
I went to the city secretary we did not alot of information on the construction. I think that maybe the NRCS may be can help.

Thanks Lupe Beam

		Comments
Name	Lyndon B Johnson, Lake	
Impoundment Name		
Dam Name	Alvin Wirtz Dam	
Owner	Lower Colorado River Authority	
Contact Person	Mike Lowe, P.E.	
Telephone	512-473-4076	
Fax	512-473-3551	
Email	jkabir@lcra.org	
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	825.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	138,500	current published vol. 134,353
Original Surface Area at TOC (acre)	6,375	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	134,353	
Last Survey Conservation Pool Capacity (acre-feet)	113,690	
Last Survey Dead Pool Volume (acre-feet)	20,663	
Last Survey Area at TOC (acres)	6,375	
Date of Last Survey	35431	
Last Survey Performed by		
Total Drainage Area (mile^2)	36,823	
Contributing Drainage Area (mile^2)		
Main Purposes	hydroelec, water supply, industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	835	
Dam Length (feet)	5,491	
Dam Height (feet)	118.29	
Top Width (feet)	26	
Comments Dam General	Concrete and Earthfill	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location	left end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	796	There is a not a separate Emergency Spillway
Emergency Spillway Length (feet)	450 (Report 126), 500 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	1,633,409	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	10, 9	2 Mortar crest lgth 500 ft
Maximum Gate Release Capacity (cfs)	323,600	
Hydropower (Y/N)	Y	
No. of Hydropower Units	2	
Generation Capacity (mW)	56, 25	
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	N/A	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Colorado River	
County	Burnet	
Nearest town	Marble Falls	
Distance from Nearest Town (miles)	5 miles W	

		Comments
Direction from Nearest Town	W	
Dam Central Latitude	30.555	
Dam Central Longitude	-98.3383	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	15,700	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5480	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	138,500	
Priority Date(s)	03/29/1926	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Freese and Nichols, Inc. Engineers Environmental Scientists Architects

4055 International Plaza, Suite 200 Fort Worth, Texas 76109 817 735-7300 817 735-7491 fax www.freese.com

June 3, 2008

Chambers-Liberty County Navigation District
~~George Willcox~~ MARY BETH STENGLER
P.O. Box 518
Anahuac, TX 77514

RE: Anahuac Dam

Dear George Willcox:

On behalf of the Texas Water Development Board, Freese and Nichols, Inc., is collecting data for an update to the Texas Water Development Board's 1973 Report 126 "Dams and Reservoirs in Texas." You are receiving this letter as a result of your structure, Anahuac Dam, being on the list of reservoirs to be included for this update.

Information has been collected on your structure through various agencies such as the Texas Water Development Board (TWDB) and the Texas Commission on Environmental Quality (TCEQ). Included with this letter is a datasheet on all the information which has been collected on your structure. Please review this datasheet for any information which may not be correct, and fill in any information which we are currently missing. We have included a drawing which shows a typical dam section and a glossary of terms.

This information is being collected by the Texas Water Development Board and will be used only to update this report. The data will become the property of the Board.

If you have any questions or concerns about completing the attached datasheet please contact me at (817) 735-7345. Completed datasheets can be returned by mail to the address listed below, by Email to jcm@freese.com, or by fax at (817) 734-7491.

Freese and Nichols, Inc.
Janis Murphy, P.E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

Sincerely,

Janis C. Murphy

Janis C. Murphy, P.E.

Attachments Anahuac Dam Datasheet

Sent disk w/ Spillway + gate pictures 6/12/08

[TWD07387]T:\LET\Datasheet Cover Letter.doc

		Comments
Name	Anahuac, Lake	
Impoundment Name	Lake Anahuac	
Dam Name	Anahuac Dam	
Owner	Chambers-Liberty County Navigation District	
Contact Person	George Willcox	MARY Beth Stengler
Telephone	~~409-267-3547~~ or 409-267-3541	
Fax	409-267-4042	
Email	~~clcnd@ih2000.net~~	marybeth@clcnd.com
Address	P.O. Box 518, 207 Miller St. Anahuac, TX 77514	
Elevation of TOC (feet)	5.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	35,300	
Original Surface Area at TOC (acre)	5,300	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	33,348	
Last Survey Conservation Pool Capacity (acre-feet)	33,348	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	5,035	
Date of Last Survey	38813	
Last Survey Performed by	TWDB	
Total Drainage Area ($mile^2$)	199	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, industrial, irrigation, tailings	
Dam Type	earthfill	
Top of Dam Elevation (feet)	9	
Dam Length (feet)	59,000	
Dam Height (feet)	10	
Top Width (feet)	8	
Comments Dam General	Actually a levee	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	

		Comments
Emergency Spillway Location	part of levee embankment	
Emergency Spillway Elevation (feet above MSL)	8	
Emergency Spillway Length (feet)	1200	
Maximum Emergency Spillway Discharge Capacity (cfs)	13,600	
Service Spillway Type	uncontrolled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	5	
Service Spillway Length (feet)	700	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	Conrete Slab	
Type of Gates	slide(sluice)	
Number of Gates	1	4
Maximum Gate Release Capacity (cfs)	1,400	
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	
Stream if Off-Channel	Trinity River	
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	14,326	
Year 2060 Yield (acre-feet)		
River Basin	Trinity	
Stream	Turtle Bayou	
County	Chambers	
Nearest town	Anahuac	
Distance from Nearest Town (miles)	5	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	29.7737	
Dam Central Longitude	-94.6869	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	142,947	112,947
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4279	
Permit Number(s)		
Latest Amendment	B	
Authorized Impoundment	35,300	
Priority Date(s)	04/14/1906, 11/07/1936, 11/11/1971	
Hazard Classification	Low	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Anahuac

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

1992 Constructed 2nd spillway 150'x25'-4'msl

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☑ No ☐ Unknown

Design Engineer in house construction

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Can you furnish them in a digital format?

☑ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

Brown & Root *Services*

9900 Westpark Drive (77063-5169) / Post Office Box 3 / Houston, TX 77001-0003

March 26, 1998

Mr. George Willcox
General Manager
Chambers-Liberty Counties Navigation District
PO Box 518
Anahuac, Texas 77514

RE: Modified Spillway Rating Curve

Dear Pudge,

Attached you will find a couple of copies of the spillway rating curve we developed as part of the Galveston Bay Freshwater Inflow Study (GBFIS). The Modified Rating Curve, results from the recent changes to the Anahuac facility. This rating curve, along with the information you gave us, assisted in estimating the volume of water spilled from Lake Anahuac last year. In our analysis we estimated that approximately 52,000 acre-feet spilled into Trinity Bay in 1997.

Additionally, I have included a diskette, containing an excel spreadsheet which we used in our estimate of the volume spilled. Basically, you input daily lake level elevations for each month and it keeps track of spills over the entire year. Let me know if you have difficulty in opening this file. Again, thanks for your assistance in the Trans-Texas study.

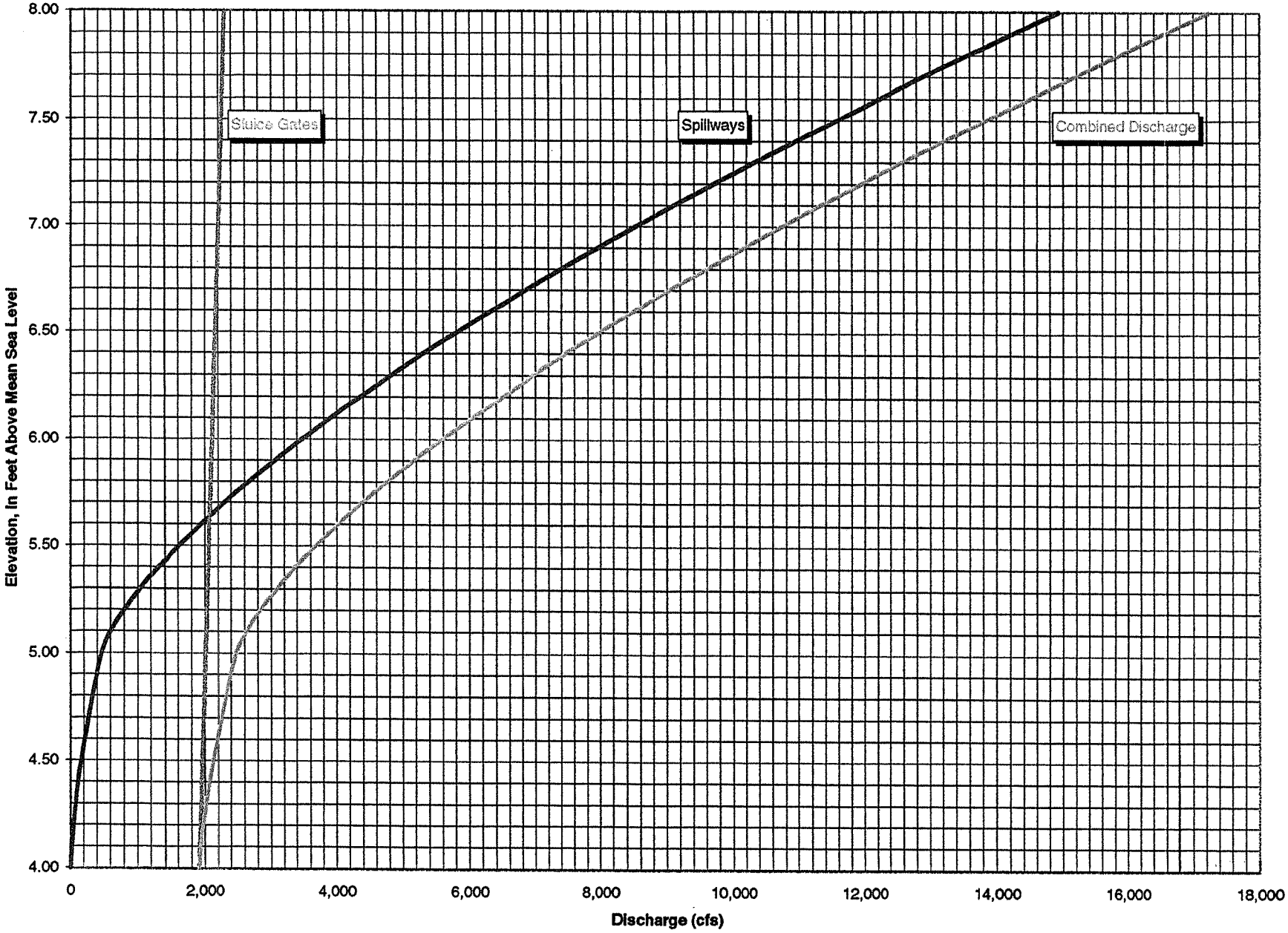
Sincerely,
BROWN & ROOT, INC.

Augusto Villalon, P.E.

Lake Anahuac Rating Curve

Combined Spillway's			Sluice Gates	Combined Discharge
Elevation (MSL) (ft)	Head (Min Es) (ft)	Discharge (cfs)	Discharge (cfs)	Discharge (cfs)
4.00	0.00	0	1,911	1,911
4.10	0.10	15	1,921	1,935
4.20	0.20	41	1,930	1,972
4.30	0.30	76	1,940	2,016
4.40	0.40	117	1,950	2,067
4.50	0.50	163	1,960	2,123
4.60	0.60	215	1,969	2,184
4.70	0.70	271	1,979	2,250
4.80	0.80	331	1,989	2,319
4.90	0.90	395	1,998	2,393
5.00	1.00	462	2,008	2,470
5.10	1.10	602	2,018	2,619
5.20	1.20	801	2,027	2,829
5.30	1.30	1,041	2,037	3,078
5.40	1.40	1,313	2,047	3,360
5.50	1.50	1,614	2,057	3,670
5.60	1.60	1,941	2,066	4,007
5.70	1.70	2,291	2,076	4,367
5.80	1.80	2,664	2,086	4,749
5.90	1.90	3,057	2,095	5,152
6.00	2.00	3,470	2,105	5,575
6.10	2.10	3,901	2,115	6,016
6.20	2.20	4,351	2,124	6,475
6.30	2.30	4,818	2,134	6,952
6.40	2.40	5,301	2,144	7,444
6.50	2.50	5,800	2,154	7,953
6.60	2.60	6,314	2,163	8,477
6.70	2.70	6,844	2,173	9,017
6.80	2.80	7,388	2,183	9,570
6.90	2.90	7,946	2,192	10,138
7.00	3.00	8,518	2,202	10,720
7.10	3.10	9,103	2,212	11,315
7.20	3.20	9,702	2,221	11,923
7.30	3.30	10,314	2,231	12,545
7.40	3.40	10,938	2,241	13,178
7.50	3.50	11,574	2,251	13,825
7.60	3.60	12,223	2,260	14,483
7.70	3.70	12,883	2,270	15,153
7.80	3.80	13,555	2,280	15,835
7.90	3.90	14,239	2,289	16,528
8.00	4.00	14,934	2,299	17,233

Lake Anahuac Spillway and Gate Capacities



DEPARTMENT OF THE ARMY
FORT WORTH DISTRICT, CORPS OF ENGINEERS
P. O. BOX 17300
FORT WORTH, TEXAS 76102-0300

July 29, 2008

Engineering and Construction Division

Freese and Nichols, Inc.
ATTN: Janis Murphy, P.E.
4055 International Plaza, Suite 200
Fort Worth, Texas 76109

Dear Ms. Murphy:

Thank you for your letter of June 3, 2008, on behalf of the Texas Water Development Boards requesting data and review of pertinent data for each of our lake projects. Steve Pilney has completed the review of the pertinent data and corrections / updates are enclosed.

I have recently supplied the sheets which request structural modifications and photos to Terry Bachim for his input. That data will be provided at a later date.

Sincerely,

Paul K. Rodman

Paul K. Rodman, P.E.
Chief, Hydrology and Hydraulics Branch

Enclosure

Freese
and Nichols, Inc. Engineers Environmental Scientists Architects

4055 International Plaza, Suite 200 Fort Worth, Texas 76109 817 735-7300 817 735-7491 fax www.freese.com

June 3, 2008

Corps of Engineers-SWF
Paul Rodman
Attn: CESWF-OD-L
P.O. Box 17300
Fort Worth, TX 76102

RE: **Aquilla Lake**
Town Bluff Dam
Bardwell Dam
Belton Dam
Benbrook Dam
Canyon Dam
North Fork (San Gabriel River) Dam
Laneport Dam
Grapevine Dam
Hords Creek Dam
Cooper Dam
Joe Pool Lake Dam
Lavon Dam
Lewisville Dam
Navarro Mills Dam
OC Fisher Dam
Ferrells Bridge Dam
Proctor Dam
Ray Roberts Dam
Sam Rayburn Dam
Somerville Dam
Stillhouse Hollow Dam
Waco Dam
Whitney Dam
Texarkana Dam

Dear Paul Rodman:

On behalf of the Texas Water Development Board, Freese and Nichols, Inc., is collecting data for an update to the Texas Water Development Board's 1973 Report 126 "Dams and Reservoirs in Texas." You are receiving this letter as a result of your structures, Aquilla Lake, Town Bluff Dam, Bardwell Dam, Belton Dam, Benbrook Dam, Canyon Dam, North Fork (San Gabriel River) Dam, Laneport Dam, Grapevine Dam, Hords Creek Dam, Cooper Dam, Joe Pool Lake Dam, Lavon Dam, Lewisville Dam, Navarro Mills Dam, OC Fisher Dam, Ferrells Bridge Dam, Proctor Dam, Ray Roberts Dam, Sam Rayburn Dam, Somerville Dam, Stillhouse Hollow Dam, Waco Dam, Whitney Dam and Texarkana Dam, being on the list of reservoirs to be included for this update.

Information has been collected on your structure through various agencies such as the Texas Water Development Board (TWDB) and the Texas Commission on Environmental Quality (TCEQ). Included with this letter is a datasheet on all the information which has been collected on your structure. Please review this datasheet for any information which may not be correct, and fill in any information which we are currently missing. We have included a drawing which shows a typical dam section and a glossary of terms.

This information is being collected by the Texas Water Development Board and will be used only to update this report. The data will become the property of the Board.

If you have any questions or concerns about completing the attached datasheet please contact me at (817) 735-7345. Completed datasheets can be returned by mail to the address listed below, by Email to jcm@freese.com, or by fax at (817) 734-7491.

Freese and Nichols, Inc.
Janis Murphy, P.E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

Sincerely,

Janis C. Murphy

Janis C. Murphy, P.E.

Attachments
Aquilla Lake Datasheet
Town Bluff Dam Datasheet
Bardwell Dam Datasheet
Belton Dam Datasheet
Benbrook Dam Datasheet
Canyon Dam Datasheet
North Fork (San Gabriel River) Dam Datasheet
Laneport Dam Datasheet
Grapevine Dam Datasheet
Hords Creek Dam Datasheet
Cooper Dam Datasheet
Joe Pool Lake Dam Datasheet
Lavon Dam Datasheet
Lewisville Dam Datasheet
Navarro Mills Dam Datasheet
OC Fisher Dam Datasheet
Ferrells Bridge Dam Datasheet
Proctor Dam Datasheet
Ray Roberts Dam Datasheet
Sam Rayburn Dam Datasheet
Somerville Dam Datasheet
Stillhouse Hollow Dam Datasheet
Waco Dam Datasheet
Whitney Dam Datasheet
Texarkana Dam Datasheet

		Comments
Name	Aquilla Lake	
Impoundment Name	Aquilla Lake	
Dam Name	Aquilla Lake	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil CESWF-EC-H
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	
Elevation of TOC (feet)	537.5	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	52,400	✓
Original Surface Area at TOC (acre)	3,280	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	45,319	✓
Last Survey Conservation Pool Capacity (acre-feet)	45,092	✓
Last Survey Dead Pool Volume (acre-feet)	227	volume at elevation 503.0
Last Survey Area at TOC (acres)	3,020	✓
Date of Last Survey	37348	April 2002
Last Survey Performed by	TWDB	
Total Drainage Area (mile^2)	252	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation, fish/wildlife
Dam Type	earthfill	
Top of Dam Elevation (feet)	583	582.5 feet
Dam Length (feet)	11,800	11890 feet
Dam Height (feet)	104	104.5 feet
Top Width (feet)		38' feet
Comments Dam General	rock and soil foundation, earth core dam	✓
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	Uncontrolled limited service
Emergency Spillway Location	Left abutment of the main embankment	

		Comments
Emergency Spillway Elevation (feet above MSL)	564.5	
Emergency Spillway Length (feet)	1200	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	126,800	✓ at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	~~565~~	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	✓
Number of Gates	2	✓
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	503.0	✓
Discharge Capacity of Outlet Works (cfs)	2950	at spillway crest
Elevation of Water Supply Outlet (in Dam)	505	
Discharge Capacity of Water Supply Outlet in Dam (cfs)	2.5	1-12 inch diameter low-flow outlet ; invert elevation 505.0
Location of Reservoir Water Supply Outlets		Empties into outlet works conduit
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	12,437	
Year 2060 Yield (acre-feet)	5,311	
River Basin	Brazos	✓
Stream	Aquilla Creek	✓
County	Hill	✓
Nearest town	Hillsboro	✓
Distance from Nearest Town (miles)	7	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	31.8986	
Dam Central Longitude	-97.2027	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	13,896	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5158	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	52,400	
Priority Date(s)	10/25/1976	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Lake Arlington Dam.

Nicole Heinley

From: Janis Murphy
Sent: Tuesday, June 17, 2008 3:23 PM
To: Nicole Heinley
Subject: FW: Lake Arlington
Follow Up Flag: Follow up
Flag Status: Red

TWD07387

Janis C. Murphy, P.E.

Freese and Nichols, Inc.
p (817)735-7345

From: Chuck Vokes [mailto:Chuck.Vokes@arlingtontx.gov]
Sent: Tuesday, June 17, 2008 3:22 PM
To: Janis Murphy
Subject: Lake Arlington

Janis,
I went through the numbers and didn't see any that didn't look OK. Thanks.

Chuck

		Comments
Name	Athens, Lake	
Impoundment Name	Lake Athens	
Dam Name	Lake Athens Dam	
Owner	Athens Municipal Water Authority	
Contact Person	Don Herriage	
Telephone	903-677-1735	
Fax	903-675-1333	
Email	no email	
Address	508 East Tyler Athens, TX 75751	
Elevation of TOC (feet)	440.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	32,790	
Original Surface Area at TOC (acre)	1,520	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	29,475	
Last Survey Conservation Pool Capacity (acre-feet)	29,440	
Last Survey Dead Pool Volume (acre-feet)	40	
Last Survey Area at TOC (acres)	1,799	
Date of Last Survey	35796	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	22	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	453	
Dam Length (feet)	3,000	
Dam Height (feet)	57 (NID 2006); 67 (Report 126)	
Top Width (feet)	20	
Comments Dam General	soil foundation, earth core dam	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	left of the dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	446	
Emergency Spillway Length (feet)	350 (NID 2006); 300 (Report 126)	
Maximum Emergency Spillway Discharge Capacity (cfs)	14,291	
Service Spillway Type	uncontrolled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	440	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	rectangular drop inlet; oulet - box culvert 6' by 6'	
Type of Gates	valve	
Number of Gates	1	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	396.5	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	6,064	
Year 2060 Yield (acre-feet)	5,660	
River Basin	Neches	
Stream	Flat Creek	
County	Henderson	
Nearest town	Arthens	
Distance from Nearest Town (miles)	8	

		Comments
Direction from Nearest Town	E	
Dam Central Latitude	32.2044	
Dam Central Longitude	-95.7252	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	8,500	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3256	
Permit Number(s)		
Latest Amendment	B	
Authorized Impoundment	32,840	
Priority Date(s)	01/17/1955, 08/06/2003	
Hazard Classification	Significant	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Lake Athens

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Wisenbaker, Fix, & Associates

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Bardwell Lake	
Impoundment Name		
Dam Name	Bardwell Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	421.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	54,900	✓
Original Surface Area at TOC (acre)	3,570	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	46,472	✓
Last Survey Conservation Pool Capacity (acre-feet)	46,122	✓
Last Survey Dead Pool Volume (acre-feet)	350	volume at elev. 391.0
Last Survey Area at TOC (acres)	3,138	✓
Date of Last Survey	36192	February 1999
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	178	✓
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, flood control, recreation	✓
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	460	✓
Dam Length (feet)	15,400	✓ including spillway
Dam Height (feet)	82	✓
Top Width (feet)	20	✓
Comments Dam General	earthfill and concrete	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		Right abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	439	✓
Emergency Spillway Length (feet)	350	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	74,300	78000 cfs at Maximum Design water surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	440	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	✓
Number of Gates	2	✓
Maximum Gate Release Capacity (cfs)	~~3,700~~	
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	391.0	✓
Discharge Capacity of Outlet Works (cfs)	3,700.0	3120 cfs at spillway Crest
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	8,567	
Year 2060 Yield (acre-feet)	6,500	
River Basin	Trinity	✓
Stream	Waxahachie Creek	✓
County	Ellis	✓
Nearest town	Ennis	✓
Distance from Nearest Town (miles)	5	

		Comments
Direction from Nearest Town	S	
Dam Central Latitude	32.2511	✓
Dam Central Longitude	-96.6412	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	9,600	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5021	
Permit Number(s)		
Latest Amendment	D	
Authorized Impoundment	54,900	✓
Priority Date(s)	07/30/1956	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Bastrop, Lake	
Impoundment Name		
Dam Name	Bastrop Dam	
Owner	Lower Colorado River Authority	
Contact Person	Mike Lowe, P.E.	
Telephone	512-473-4076 3207	
Fax	512-473-3551	
Email	jkabir@lcra.org	Mike.Lowe@LCRA.ORG
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	450.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	16,590	
Original Surface Area at TOC (acre)	906	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	16,590	
Last Survey Conservation Pool Capacity (acre-feet)	16,590	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	906	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	9	
Contributing Drainage Area (mile^2)		
Main Purposes	industrial, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	458	
Dam Length (feet)	4,000	
Dam Height (feet)	80 (NID 2006); 85 (Report 126)	85 FT
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	425	

just service spillway

		Comments
Emergency Spillway Length (feet)	90	
Maximum Emergency Spillway Discharge Capacity (cfs)	17,612	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	425 ~~450~~	1 Service/Emergency spillway & gate
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	0	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	on Spicer creek
Stream if Off-Channel	Colorado River	operates as off-channel
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Spicer Creek	
County	Bastrop	
Nearest town	Bastrop	
Distance from Nearest Town (miles)	3	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	30.155	
Dam Central Longitude	-97.2917	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	10,750	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	Cert of Adj: (?)
Water Right or Application Number(s)	A-2265 C5473	
Permit Number(s)	P-2054	
Latest Amendment		
Authorized Impoundment	16,590	
Priority Date(s)	03/04/1963	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

NID # TX2718

		Comments
Name	Baylor Lake	
Impoundment Name		
Dam Name	Baylor Creek Dam	
Owner	City of Childress	
Contact Person	Jerry Cumming	
Telephone	940-937-2102/3684	
Fax	940-937-6420	
Email	citymanager@childresstx.com	
Address	Rt 1, Box 283 Childress, TX 79201	
Elevation of TOC (feet)	1,820.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	9,220	
Original Surface Area at TOC (acre)	610	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	9,220	
Last Survey Conservation Pool Capacity (acre-feet)	9,220	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	610	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	40	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,829	
Dam Length (feet)	3,383	
Dam Height (feet)	50 (NID 2006); 66 (Report 126)	
Top Width (feet)	16	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	1820	

		Comments
Emergency Spillway Length (feet)	500	
Maximum Emergency Spillway Discharge Capacity (cfs)	19,978	
Service Spillway Type	uncontrolled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,820	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	open channel cut with 200 ft bottom width, discharge to Lake Childress	
Type of Gates	0	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	see comment	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)	0	
River Basin	Red	
Stream	Baylor Creek	
County	Childress	
Nearest town	Childress	
Distance from Nearest Town (miles)	10	

		Comments
Direction from Nearest Town	NW	
Dam Central Latitude	34.4767	
Dam Central Longitude	-100.3717	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	397	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5221	
Permit Number(s)		
Latest Amendment	5221A	
Authorized Impoundment	7,820	
Priority Date(s)	02/02/1949	
Hazard Classification	Significant	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Baylor Lake

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes NA ☐ No ☐ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Belton Lake	
Impoundment Name		
Dam Name	Belton Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	594.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	457,600	✓
Original Surface Area at TOC (acre)	12,300	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	435,225	✓
Last Survey Conservation Pool Capacity (acre-feet)	435,225	✓
Last Survey Dead Pool Volume (acre-feet)	0	✓
Last Survey Area at TOC (acres)	12,135	✓
Date of Last Survey	37742	May 2003
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	3,560	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation, irrigation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	662	✓
Dam Length (feet)	5,524	✓ including spillway and 418 ft dike
Dam Height (feet)	192	✓
Top Width (feet)	30	✓
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		Left abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	631	✓
Emergency Spillway Length (feet)	1300	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	472,500	at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	0	broome-Type gates
Number of Gates		3
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	broome-Type gates
Elevation of Outlet Works (feet above MSL)	483.0	✓
Discharge Capacity of Outlet Works (cfs)	30,000.0	27900 cfs at Spillway crest
Elevation of Water Supply Outlet (in Dam)		540
Discharge Capacity of Water Supply Outlet in Dam (cfs)	510	1-3-ft x 3-ft gated low-flow outlet; invert elevation 540.0 (at intake to well)
Location of Reservoir Water Supply Outlets		Empties into outlet works conduit
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Yield,Other)	FY	
Year 2010 Yield (acre-feet)	211,856	
Year 2060 Yield (acre-feet)	97,217	
River Basin	Brazos	✓
Stream	Leon River	✓
County	Bell	✓
Nearest town	Belton	✓
Distance from Nearest Town (miles)	3	✓

		Comments
Direction from Nearest Town	N	✓
Dam Central Latitude	31.1083	✓
Dam Central Longitude	-97.4728	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	112,257	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right or Application Number(s)	C2936, C5160	
Permit Number(s)		
Latest Amendment	2936A	
Authorized Impoundment	457,600	
Priority Date(s)	08/24/1953, 08/23/1954, 12/16/1963	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Benbrook Lake	
Impoundment Name		
Dam Name	Benbrook Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	694.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	88,250	✓
Original Surface Area at TOC (acre)	3,770	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	85,648	✓
Last Survey Conservation Pool Capacity (acre-feet)	85,648	✓
Last Survey Dead Pool Volume (acre-feet)	0	✓
Last Survey Area at TOC (acres)	3,635	✓
Date of Last Survey	35796	January 1998
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	429	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	747	✓
Dam Length (feet)	9,130	✓ including spillway
Dam Height (feet)	130	✓
Top Width (feet)	20	✓
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		Left abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	724	✓ Spillway Notch @ Elev. 710.0'
Emergency Spillway Length (feet)	500	✓ Notch length = 100 ft. in center
Maximum Emergency Spillway Discharge Capacity (cfs)	17,200	172000 cfs at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	~~710~~	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	0	
Number of Gates		2
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	broome-type gates
Elevation of Outlet Works (feet above MSL)	622.0	✓
Discharge Capacity of Outlet Works (cfs)		7840 cfs at Spillway crest elev 724
Elevation of Water Supply Outlet (in Dam)	see comment	
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	6,834	
Year 2060 Yield (acre-feet)	6,834	
River Basin	Trinity	✓
Stream	Clear Fork Trinity River	✓
County	Tarrant	✓
Nearest town	Fort Worth	✓
Distance from Nearest Town (miles)	10	✓

		Comments
Direction from Nearest Town	SW	✓
Dam Central Latitude	32.6535	✓
Dam Central Longitude	-97.4571	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	6,833	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	P5157	
Permit Number(s)	5157	
Latest Amendment	A	
Authorized Impoundment	72,500	
Priority Date(s)	05/18/1959	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Blackburn Crossing Dam
Lake Palestine

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes * ☐ No ☐ Unknown

If so, what modifications were made and when?

* See attached sheet

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☒ Unknown

Design Engineer Forrest & Cotton(no longer in business)

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes (from inspection of June 2003) ☐ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Palestine, Lake	
Impoundment Name	same	
Dam Name	Blackburn Crossing Dam	
Owner	Upper Neches River Municipal Water Authority	
Contact Person	~~T.G. Mallory~~	Monty D. Shank
Telephone	903-876-2237	
Fax	903-876-5200	
Email	~~unrmwa@gower.net~~	unrmwa@dctexas.net or mdsunra@dctexas.net
Address	P.O. Box 1965 Palestine, TX 75802	
Elevation of TOC (feet)	345.0	
Dead Pool Elevation (feet)		309.5
Original Conservation Pool Total Volume (acre-feet)	411,840	
Original Surface Area at TOC (acre)	25,560	
Original Dead Pool Volume (acre-feet)		unknown
Last Survey Conservation Pool Total Volume (acre-feet)	373,202	
Last Survey Conservation Pool Capacity (acre-feet)	370,098	
Last Survey Dead Pool Volume (acre-feet)	~~2,294~~	2295
Last Survey Area at TOC (acres)	22,656	
Date of Last Survey	~~3/7/73~~	June 2003
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	839	
Contributing Drainage Area (mile^2)		unknown
Main Purposes	water supply, ~~other~~, recreation	industrial, irrigation, municipal, domestic
Dam Type	earthfill	
Top of Dam Elevation (feet)	364	
Dam Length (feet)	5,720	
Dam Height (feet)	75	
Top Width (feet)	20 to 21.3 ft	
Comments Dam General		
Year(s) of Modifications	~~1971 and 1997~~	1971,1996, 2001, 2006
Description of Modifications	~~1971: Enlargement~~	* see attached sheet
Emergency Spillway Type	~~uncontrolled~~	not applicable

1971 Completion of Phase III of construction of reservoir enlarging from 6800 acres to 25,560 acres

1996 Spillway chute weephole modifications

2001 Erosion protection (add 36" rip rap behind spillway wing walls)

2006 Repairs to the outlet structure (replace 36" butterfly valves, clean and repair concrete of structure as needed, remove and replace electric controls as required, etc.)

		Comments
Emergency Spillway Location	near left end of dam	n/a
Emergency Spillway Elevation (feet above MSL)	345	n/a
Emergency Spillway Length (feet)	500	n/a
Maximum Emergency Spillway Discharge Capacity (cfs)	187,056	n/a
Service Spillway Type	uncontrolled	uncontrolled (overflow)
Service Spillway Location	near center of dam	near the east end of the dam
Service Spillway Elevation (feet above MSL)	298	345
Service Spillway Length (feet)		500
Maximum Service Spillway Discharge Capacity (cfs)		? (187,056?)
Comments Service Spillway Information	Gated concrete tower, conduit 8.5 ft diameter, two 5x7 ft gates	No comments
Type of Gates	other	No gates
Number of Gates	4	n/a
Maximum Gate Release Capacity (cfs)		n/a
Hydropower (Y/N)	N	
No. of Hydropower Units		n/a
Generation Capacity (mW)		n/a
Type of Outlet Works	valve	controlled concrete gatehouse w/ 4 slide gates, 2ea 36" butterfly valves
Elevation of Outlet Works (feet above MSL)	lowest slide gate 309.5 ft ; other slide gates, 312.5 ft, 322.5 ft, and 332.5 ft	
Discharge Capacity of Outlet Works (cfs)		226
Elevation of Water Supply Outlet (in Dam)		298
Discharge Capacity of Water Supply Outlet in Dam (cfs)		226
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		n/a
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	220,993	
Year 2060 Yield (acre-feet)	214,600	
River Basin	Neches	
Stream	Neches River	
County	Anderson, Cherokee, Henderson, Smith	
Nearest town	Frankston	
Distance from Nearest Town (miles)	4 miles E	W

		Comments
Direction from Nearest Town	E	
Dam Central Latitude	32.055	
Dam Central Longitude	-95.4383	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	238,110	
Total Non Consumptive Use (Ac-Ft/Yr)		unknown?
Type of Use, Non-Consumptive Diversion		unknown?
Type of Use, Multiple Purpose Consumptive Diversion	M	contracts with Dallas, Tyler, Palestine; smaller contracts with Monarch Utilities, Emerald Bay Golf, Super Tree Farm
Water Right or Application Number(s)	C3254	
Permit Number(s)		
Latest Amendment	C	
Authorized Impoundment	411,840	
Priority Date(s)	04/30/1956, 03/09/1967, 12/16/1968, 09/15/1969, 09/14/1970, 03/21/1983, 04/25/1983, 10/01/1984	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

MONTY D. SHANK
General Manager

UPPER NECHES RIVER
MUNICIPAL WATER AUTHORITY
P. O. Box 1965
Palestine, Texas 75802
903-876-2237
Fax: 903-876-5200
Cell: 903-530-3640
mdsunra@dctexas.net

			Comments
Name	Brandy Branch Cooling Pond		
Impoundment Name	Brandy Branch Cooling Pond		Note - this is for our Pirkey Power Plan
Dam Name	Brandy Branch Cooling Pond Dam		
			National Inventory # 4833 - please note that this dam also have 3 saddle dams in addition to the main dam
Owner	AEP-Southwestern Electric Power Company		
Contact Person	Greg Carter		
Telephone	318-673-3831		903-746-4585
Fax	318-673-2742		don't have one that I regularly use
Email	wgcarter@aep.com		
Address	P.O. Box 21106 Shreveport, LA 71156		2400 FM 3251 Hallsville, Texas 75650
Elevation □of TOC (feet)		340	
Dead Pool Elevation (feet)			
Original Conservation □Pool Total Volume (acre-feet)		29513	
Original Surface □Area at TOC (acre)		1242	
Original Dead Pool Volume (acre-feet)			
Last Survey Conservation Pool Total Volume (acre-feet)		29513	
Last Survey Conservation Pool Capacity (acre-feet)		29513	
Last Survey Dead Pool Volume (acre-feet)	n/a		
Last Survey Area at TOC (acres)		1242	
Date of □Last Survey	n/a		
Last Survey Performed by			
Total Drainage Area (mile2)		4.1	
Contributing Drainage □Area (mile2)			
Main Purposes	industrial		Industrial - steam electric
Dam Type	earthfill		based on your definitions page - it does have several zones of various earthfill construction materials
Top of Dam Elevation □(feet)		351	
Dam Length □(feet)		3560	
Dam Height□(feet)		80	
Top Width□(feet)			20
Comments Dam General	soil foundation		soil cement on upstream face from elev 330 to 345
Year(s) of Modifications			Approximately 1985 or 1986
Description of Modifications			Added a berm on downstream slope at elevation 288 that is approximately 50 feet wide
Emergency Spillway Type	uncontrolled		
Emergency Spillway Location			right of dam
Emergency Spillway Elevation (feet above MSL)		342.5	
Emergency Spillway Length (feet)		425	100 ft wide and 1700 ft long 2400 @ elev 348.0 per F&N Flood Routing drawing Sheet 5 of 6 dated
Maximum Emergency Spillway Discharge Capacity (cfs)		1550	February 1978
Service Spillway Type		0	Morning glory (drop inlet)
Service Spillway Location			In front of dam left of center
Service Spillway Elevation (feet above MSL)		340	
Service Spillway Length (feet)			16'-6" OD at mouth reduced to 8'-6" ID
Maximum Service Spillway Discharge Capacity (cfs)			1100 cfs at elev. 348.0 per F&N Flood Routing drawing Sheet 5 of 6 dated February 1978
Comments Service Spillway Information			739 ft from centerline of Morning glory to stilling basin. Conduit under dam is generally 7 ft wide by 7 ft tall.
Type of Gates	vertical lift		none
Number of Gates		2	0
Maximum Gate Release Capacity (cfs)			
Hydropower (Y/N)	N		
No. of Hydropower Units			

5'6" diameter conduit through dam

Generation Capacity (mW)		
Type of Outlet Works		2 each 18 inch valves in 18 inch concrete lined steel cylinder pipe - upstream gate valve and downstream 0 ball valve
Elevation of Outlet Works (feet above MSL)		285.47
Discharge Capacity of Outlet Works (cfs)		unknown
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		11000 Is this from TCEQ's WAM? Or F&N design? This does not look correct compared to Johnson Creek and Swauano Creek. Please provide documentation to me.
Year 2060 Yield (acre-feet)		11000 from DB07
River Basin	Sabine	
Stream	Brandy Branch	
County	Harrison	
Nearest town	Marshall	
Distance from□Nearest Town (miles)		10 Hallsville
Direction from Nearest Town	SW	7.5 miles SE
Dam □Central Latitude		32.4306
Dam □Central Longitude		-94.485
Total Authorized Consumptive Diversion (Ac-Ft/Yr)		11000
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion		0
Type of Use, Multiple Purpose Consumptive Diversion		0
Water Right or Application Number(s)	C4647	COA 05-4647
Permit Number(s)		3618
Latest Amendment		A 5/16/1983
Authorized Impoundment		29513
Priority Date(s)	08/21/1978	
Hazard Classification	Low	

* Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct

		Comments
Name	Brownwood, Lake	
Impoundment Name		
Dam Name	Brownwood Dam	
Owner	Brown County WID No. 1	
Contact Person	Dennis Spinks	
Telephone	915-643-2609	
Fax	915-646-3031	
Email	bcwid.aom@gte.net	DSPINKS@BCWID.ORG
Address	P.O. Box 118 Brownwood, TX 76804	
Elevation of TOC (feet)	1,425.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	143,400	
Original Surface Area at TOC (acre)	7,300	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	131,429	
Last Survey Conservation Pool Capacity (acre-feet)	131,429	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	7,298	
Date of Last Survey	35521	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	1,535	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,450	1470
Dam Length (feet)	1,580	
Dam Height (feet)	120	
Top Width (feet)	21	
Comments Dam General		
Year(s) of Modifications		1982
Description of Modifications		RAISED AND WIDENED
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	800 ft to left of Dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	1424.6	
Emergency Spillway Length (feet)	479	
Maximum Emergency Spillway Discharge Capacity (cfs)	40,000	
Service Spillway Type	controlled	
Service Spillway Location		CENTER OF DAM
Service Spillway Elevation (feet above MSL)	1,425	
Service Spillway Length (feet)		48" PIPE WITH VALVE
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	2 congrete conduits	
Type of Gates	other	BUTTERFLY VALVE
Number of Gates	2	1
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	1,405.5	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		1405.5
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		SOUTH CORNER DAM
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	29,712	
Year 2060 Yield (acre-feet)	29,712	
River Basin	Colorado	
Stream	Pecan Bayou	
County	Brown	
Nearest town	Brownwood	
Distance from Nearest Town (miles)	8	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	31.8383	
Dam Central Longitude	-99.0017	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	23,770	
Total Non Consumptive Use (Ac-Ft/Yr)	5942	
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C2454	
Permit Number(s)		
Latest Amendment	2454A	
Authorized Impoundment	114,000	
Priority Date(s)	09/29/1925	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Brownwood

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

DAM WAS RAISED AND WIDENED

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer FREESE AND NICHOLS

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

Staff

Dennis Spinks
General Manager

William W. Bell
General Counsel

P.O. Box 118 Brownwood, TX 76804 • (325) 643-2609 • Fax (325) 646-3031
www.bcwid.org

Serving the Region Since 1926

July 10, 2008

Ms. Janis C. Murphy, P.E.
4055 International Plaza, Ste. 200
Ft. Worth, Texas 76109

RE: Brownwood Dam

Ms. Murphy:

Enclosed please find information regarding Lake Brownwood dam the District is returning to you. The District's General Manager has reviewed the material as requested. Please do not hesitate to contact us is you should need additional information.

Sincerely,

Alveza Marin
Records Clerk

Encl:

		Comments
Name	Buchanan, Lake	
Impoundment Name		
Dam Name	Buchanan Dam	
Owner	Lower Colorado River Authority	
Contact Person	Mike Lowe, P.E.	
Telephone	512-473-4076	
Fax	512-473-3551	
Email	jkabir@lcra.org	
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	1,020.4	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	992,000	
Original Surface Area at TOC (acre)	23,060	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	885,507	
Last Survey Conservation Pool Capacity (acre-feet)	885,507	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	23,060	
Date of Last Survey	35431	
Last Survey Performed by		
Total Drainage Area (mile^2)	31,828	
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, hydroelec	
Dam Type	multi-arch	
Top of Dam Elevation (feet)	1,025	
Dam Length (feet)	10,987	
Dam Height (feet)	145.5 in Report 126 146 in NID 2006	
Top Width (feet)	33.8	
Comments Dam General		
Year(s) of Modifications	1994	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	north end	

Jan or Les Boyd

		Comments
Emergency Spillway Elevation (feet above MSL)	1020.5	
Emergency Spillway Length (feet)	~~2536 (NID 2006), 1,100 (Report 126)~~ 1100.	
Maximum Emergency Spillway Discharge Capacity (cfs)	1,339,388	
Service Spillway Type	controlled	
Service Spillway Location	left, center, nearest powerhouse	E of Penne Dam
Service Spillway Elevation (feet above MSL)	~~1,006~~	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	~~section 1 and 2 at elevation 1005.5; Section 3 elevation 995.5~~	
Type of Gates	tainter(radial)	
Number of Gates	3 ~~3~~	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	Y	
No. of Hydropower Units	3	
Generation Capacity (mW)	~~12.66~~ 5.43	Total
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Colorado River	
County	Burnet	
Nearest town	Burnet	
Distance from Nearest Town (miles)	13	

		Comments
Direction from Nearest Town	W	
Dam Central Latitude	30.7517	
Dam Central Longitude	-98.4183	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	1,500,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right or Application Number(s)	C5478	
Permit Number(s)		
Latest Amendment	C	
Authorized Impoundment	992,475	
Priority Date(s)	03/29/1926	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

CALAVERAS

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Black & Veatch, Kansas City, Mo. Proj No 4339

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

SEE ATTACHED

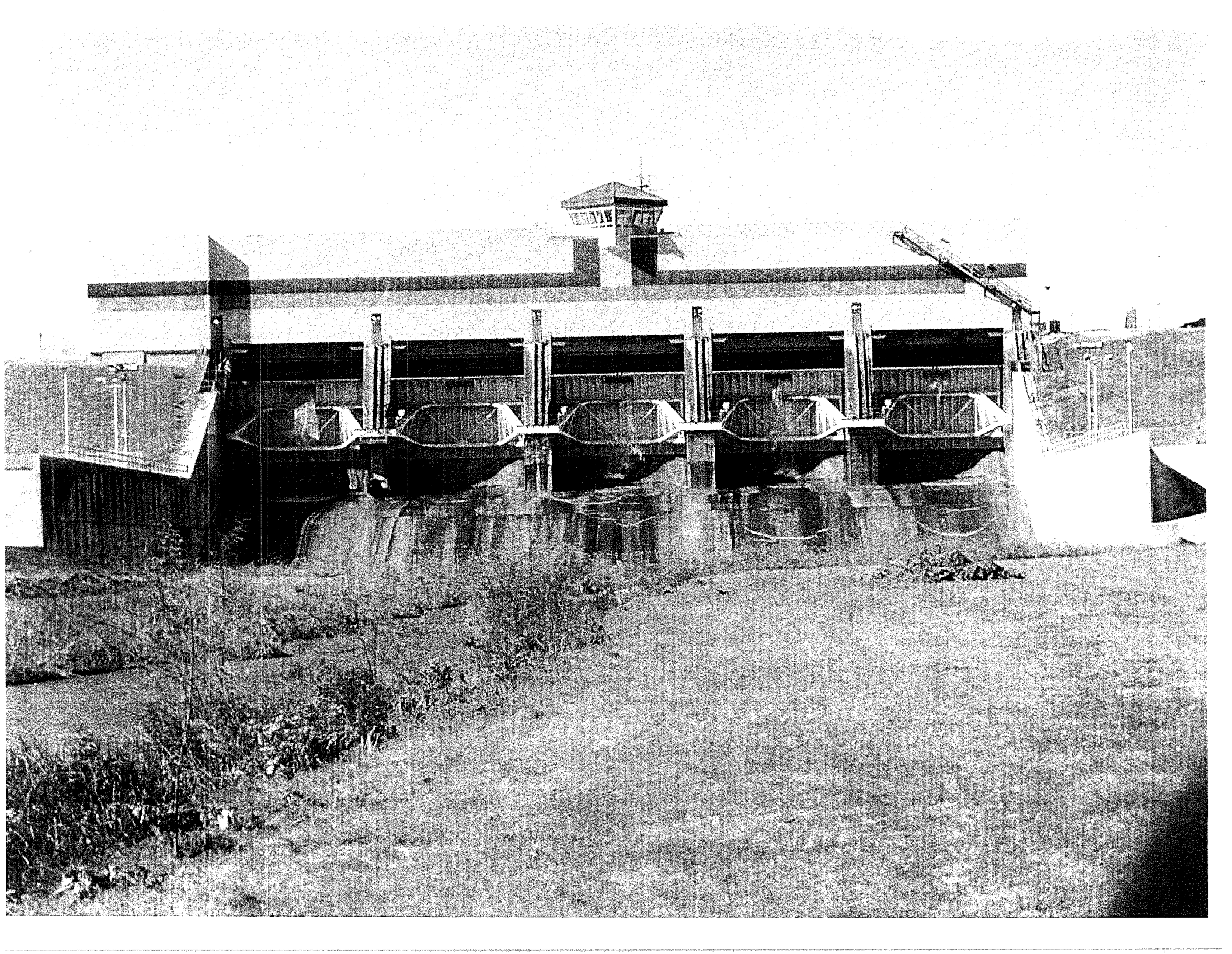
Can you furnish them in a digital format? PLEASE Contact Eric Olson @ 210 353-3677

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☒ No

Thank you for your time!



		Comments
Name	Calaveras Lake	
Impoundment Name		
Dam Name	Calaveras Creek Dam	
Owner	City Public Service	
Contact Person	~~A.W.Calle~~	Richard Peña
Telephone	210-353-3886	210 353 3860
Fax		
Email		
Address	P.O. Box 1771 San Antonio, TX 78296	
Elevation of TOC (feet)	485.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	63,200	
Original Surface Area at TOC (acre)	3,624	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	63,200	
Last Survey Conservation Pool Capacity (acre-feet)	63,200	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	3,624	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	65	
Contributing Drainage Area ($mile^2$)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	498	
Dam Length (feet)	6,000	
Dam Height (feet)	79 (NID 2006); 70 (Report 126)	
Top Width (feet)	24	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	460	
Emergency Spillway Length (feet)		
Maximum Emergency Spillway Discharge Capacity (cfs)		
Service Spillway Type	controlled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	460	
Service Spillway Length (feet)	220	
Maximum Service Spillway Discharge Capacity (cfs)	129,914	
Comments Service Spillway Information	Concrete Ogee Section	
Type of Gates	tainter(radial)	
Number of Gates	5	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	453.3	
Discharge Capacity of Outlet Works (cfs)		126,000 cfs
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	37,000	
Year 2060 Yield (acre-feet)	36,900	
River Basin	San Antonio	
Stream	Calaveras Creek	
County	Bexar	
Nearest town	San Antonio	
Distance from Nearest Town (miles)	15	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	29.2783	
Dam Central Longitude	-98.305	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	37,011	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C2162	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	63,200	
Priority Date(s)	04/25/1967	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Canyon Lake	
Impoundment Name		
Dam Name	Canyon Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	909.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	386,200	✓
Original Surface Area at TOC (acre)	8,240	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	378,852	✓
Last Survey Conservation Pool Capacity (acre-feet)	378,781	✓
Last Survey Dead Pool Volume (acre-feet)	71	at elev. 725
Last Survey Area at TOC (acres)	8,308	✓
Date of Last Survey	36800	November 2000
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	1,425	1432
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	,recreation, hydropower, streamflow regulation
Dam Type	earthfill	
Top of Dam Elevation (feet)	974	✓
Dam Length (feet)	6,830	✓ including dikes and spillway
Dam Height (feet)	224	✓
Top Width (feet)	20	✓
Comments Dam General		
Year(s) of Modifications		1988
Description of Modifications		Non-federal hydropower facility constructed
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		Right bank about 3800 feet South of the outlet works intake structure

		Comments
Emergency Spillway Elevation (feet above MSL)	943	✓
Emergency Spillway Length (feet)	1260	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	502,800	✓
Service Spillway Type	uncontrolled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	943	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	✓
Number of Gates	2	✓
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	Y	✓
No. of Hydropower Units		2
Generation Capacity (mW)		3,035
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		775
Discharge Capacity of Outlet Works (cfs)		4930 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	88,107	
Year 2060 Yield (acre-feet)	87,484	
River Basin	Guadalupe	✓
Stream	Guadalupe River	✓
County	Comal	✓
Nearest town	New Braunfels	✓
Distance from Nearest Town (miles)	12	✓

		Comments
Direction from Nearest Town	NW	✓
Dam Central Latitude	29.8519	
Dam Central Longitude	-98.2037	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	120,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Domestic, Industrial, Irrigation	
Water Right or Application Number(s)	C2074	
Permit Number(s)		
Latest Amendment	E	
Authorized Impoundment	386,200	
Priority Date(s)	03/19/1956, 06/14/1999	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Cedar Creek Reservoir Colorado	
Impoundment Name	Cedar Creek Reservoir	
Dam Name	Cedar Creek Dam	
Owner	Lower Colorado River Authority	
Contact Person	Mike Lowe, P.E.	
Telephone	512-473-4076 3400	
Fax	512-473-3511	
Email	jkabir@lcra.org	mike.lowe@LCRA.ORG
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	390.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	74,080	
Original Surface Area at TOC (acre)	2,400	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	71,400	
Last Survey Conservation Pool Capacity (acre-feet)	71,400	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	2,400	
Date of Last Survey	34912	
Last Survey Performed by		
Total Drainage Area (mile^2)	6	
Contributing Drainage Area (mile^2)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	401	
Dam Length (feet)	15,259	
Dam Height (feet)	106	
Top Width (feet)		
Comments Dam General	upstream facing earth dam	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	drop inlet uncontrolled	
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	391	

		Comments
Emergency Spillway Length (feet)	8	
Maximum Emergency Spillway Discharge Capacity (cfs)	1,152	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	391	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	
Number of Gates	3	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	on Cedar Creek
Stream if Off-Channel	Colorado River	operating as
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	a F. Clamp
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Cedar Creek	
County	Fayette	
Nearest town	Lagrange	
Distance from Nearest Town (miles)	8.5	

		Comments
Direction from Nearest Town	E	
Dam Central Latitude	29.9157	
Dam Central Longitude	-96.7367	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	38,101	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5474	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	71,400	
Priority Date(s)	02/03/1975	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Cherokee Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☒ Unknown

Design Engineer circa 1946

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Cherokee, Lake	
Impoundment Name		
Dam Name	Cherokee Dam	
Owner	Cherokee Water Company	
Contact Person	Tony Martin	
Telephone	903-643-3933	
Fax	903-643-2717	
Email	antcramar@aol.com	
Address	NK20 Lake Cherokee Longview, TX 75603	
Elevation of TOC (feet)	280.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	46,700	
Original Surface Area at TOC (acre)	3,452	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	43,737	
Last Survey Conservation Pool Capacity (acre-feet)	39,023	
Last Survey Dead Pool Volume (acre-feet)	4,714	
Last Survey Area at TOC (acres)	3,467	
Date of Last Survey	37926	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	158	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation, power plant cooling	
Dam Type	earthfill	
Top of Dam Elevation (feet)	295	
Dam Length (feet)	4,000	
Dam Height (feet)	45 (Report 126); 42 (NID 2006)	
Top Width (feet)		
Comments Dam General		
Year(s) of Modifications	1958	
Description of Modifications	extensive repairs were made to the service spillway concrete apron	
Emergency Spillway Type	uncontrolled	

		Comments
Emergency Spillway Location	Near right end of Dam	
Emergency Spillway Elevation (feet above MSL)	287.7	
Emergency Spillway Length (feet)	160	
Maximum Emergency Spillway Discharge Capacity (cfs)	120,000	
Service Spillway Type	uncontrolled	
Service Spillway Location	Left end of dam	
Service Spillway Elevation (feet above MSL)	280	
Service Spillway Length (feet)	828	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	uncontrolle concrete structure	
Type of Gates	none	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	260.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	28,885	
Year 2060 Yield (acre-feet)	27,710	
River Basin	Sabine	
Stream	Cherokee Bayou	
County	Gregg, Rusk	
Nearest town	Longview	
Distance from Nearest Town (miles)	12	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	32.3617	
Dam Central Longitude	-94.606	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	62,400	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial	
Water Right or Application Number(s)	C4642	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	62,400	
Priority Date(s)	10/05/1946	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Choke Canyon Reservoir	
Impoundment Name	Choke Canyon Reservoir	
Dam Name	Choke Canyon Dam	
Owner	Bureau Of Reclamation - USDOI operated by Corpus Christi	
Contact Person	Norman Kuenstler	
Telephone	361-786-2641	
Fax	361-786-3870	
Email	normk@ci.corpus-christi.tx.us	
Address	P.O. Box 1043 Three Rivers, TX 78071	
Elevation of TOC (feet)	220.5	
Dead Pool Elevation (feet)		127.0 ~ 136.4
Original Conservation Pool Total Volume (acre-feet)	691,130	
Original Surface Area at TOC (acre)	25,989	
Original Dead Pool Volume (acre-feet)		54
Last Survey Conservation Pool Total Volume (acre-feet)	695,271	
Last Survey Conservation Pool Capacity (acre-feet)	695,262	
Last Survey Dead Pool Volume (acre-feet)	9	
Last Survey Area at TOC (acres)	25,989	
Date of Last Survey	34029	Sept. 1993
Last Survey Performed by		Texas Water Development Board
Total Drainage Area (mile^2)	5,490	
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, recreation, other	
Dam Type	earthfill	
Top of Dam Elevation (feet)	241	
Dam Length (feet)	18,504	
Dam Height (feet)	112	
Top Width (feet)		33 ft.
Comments Dam General	soil foundation, upstream facing concrete dam	upstream facing is soil cement
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	~~controlled~~	

		Comments
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	~~232.18~~	
Emergency Spillway Length (feet)	~~345~~	
Maximum Emergency Spillway Discharge Capacity (cfs)	~~251,760~~	
Service Spillway Type	0	controlled
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	200	crest - 199.5 top of gate - 222.5, closed position
Service Spillway Length (feet)		345
Maximum Service Spillway Discharge Capacity (cfs)		251,760
Comments Service Spillway Information		
Type of Gates	~~slide(sluice)~~	radial arm
Number of Gates	~~14~~	7
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		136.4
Discharge Capacity of Outlet Works (cfs)		2,027
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	SY	
Year 2010 Yield (acre-feet)	168,299	
Year 2060 Yield (acre-feet)		
River Basin	Nueces	
Stream	Frio River	
County	McMullen & Liveoak	(sp) Live Oak
Nearest town	Three Rivers	
Distance from Nearest Town (miles)	4	

		Comments
Direction from Nearest Town	W	
Dam Central Latitude	28.485	
Dam Central Longitude	-98.2441	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	139,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3214	
Permit Number(s)		
Latest Amendment	B	
Authorized Impoundment	700,000	
Priority Date(s)	07/19/1976	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Cleburne Dam
Lake Pat Cleburne

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No N/A ☐ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Ft N has digitals

Can you furnish them in a digital format?

☑ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

		Comments
Name	Pat Cleburne, Lake	
Impoundment Name		
Dam Name	Cleburne Dam	
Owner	City of Cleburne	
Contact Person	Bill Pannell	
Telephone	816-645-0957/641-3321	
Fax	817-645-0926	
Email	billpa@cleburne.net	
Address	P.O. Box 657 Cleburne, TX 76033	
Elevation of TOC (feet)	733.5	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	25,560	
Original Surface Area at TOC (acre)	1,550	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	25,730	
Last Survey Conservation Pool Capacity (acre-feet)	25,730	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	1,558	
Date of Last Survey	35796	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	100	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation (feet)	753	
Dam Length (feet)	4,900	
Dam Height (feet)	78	
Top Width (feet)	25	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	
Emergency Spillway Elevation (feet above MSL)	744	

		Comments
Emergency Spillway Length (feet)	500 (Report 126); 650 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	99,580	
Service Spillway Type	uncontrolled	
Service Spillway Location	left end of dam	
Service Spillway Elevation (feet above MSL)	734	
Service Spillway Length (feet)	150	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	concrete ogee	
Type of Gates	slide(sluice)	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	690.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	5,202	
Year 2060 Yield (acre-feet)	4,837	
River Basin	Brazos	
Stream	Nolan River	
County	Johnson	
Nearest town	Cleburne	
Distance from Nearest Town (miles)	4 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	32.2876	
Dam Central Longitude	-97.4167	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	6,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4106	
Permit Number(s)		
Latest Amendment	C	
Authorized Impoundment	25,600	
Priority Date(s)	08/06/1962, 03/29/1976, 08/30/2004	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Coleman Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Forrest and Cotton Inc
Dallas, TX

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format? Will send in seperate e-mail

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Coleman, Lake	
Impoundment Name		
Dam Name	Coleman Dam	
Owner	City of Coleman	
Contact Person	~~Billy Matthews~~	Larry Weise
Telephone	~~915-382-4635~~	325-625-5114
Fax		
Email	~~no email~~	citymgr@web-access.net
Address	~~1193 FM 1274 Colen~~	PO Box 582 Coleman, TX 76834
Elevation of TOC (feet)	1717.5	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	40000	
Original Surface Area at TOC (acre)	2000	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	38094	
Last Survey Conservation Pool Capacity (acre-feet)	38094	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1863.7	
Date of Last Survey	7/1/2006	
Last Survey Performed by		
Total Drainage Area (mile^2)	292	
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, recreat	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1740	
Dam Length (feet)	3200	
Dam Height (feet)	90	
Top Width (feet)	20	
Comments Dam General Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	1726	

		Comments
Emergency Spillway Length (feet)	1500	
Maximum Emergency Spillway Discharge Capacity (cfs)	265923	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1717.5	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	Drop inlet with 28' dia	
Type of Gates	slide(sluice)	
Number of Gates	3	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	1662.5	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY-S	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)	0	
River Basin	Colorado	
Stream	Jim Ned	
County	Coleman	
Nearest town	Coleman	
Distance from Nearest Town (miles)	14	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	32.03	
Dam Central Longitude	-99.465	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	9000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C1702	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	40000	
Priority Date(s)	08/25/1958	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

200 W. Liveoak
P.O. Box 592
Coleman, TX 76834
(325) 625-5114
(325) 625-5837 Fax

Larry Weise
City Manager
City of Coleman

Fax

To: Janis Murphy **From:** Larry Weise

Fax: 817 734 7491 **Pages:** 5

Phone: **Date:** 7-9-08

Re: Info Requested **CC:**
Coleman Data

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Thanks - LWeise

GBRA
GUADALUPE-BLANCO RIVER AUTHORITY

GENERAL OFFICE
933 East Court Street
Seguin, Texas 78155
830-379-5822
800-413-5822
830-379-9718 Fax

BUDA & WIMBERLEY
WASTEWATER
OPERATIONS
575 County Road 236
Buda, Texas 78610
512-312-0526

COLETO CREEK PARK
& RESERVOIR
P.O. Box 68
Fannin, Texas 77960
361-575-6366

LAKE WOOD
RECREATION AREA
167 FM 2091 South
Gonzales, Texas 78629
830-672-2779

LOCKHART OPERATIONS
4435 FM 20 East
Lockhart, Texas 78644
512-398-6391

LULING WATER
TREATMENT PLANT
350 Memorial Drive
Luling, Texas 78648
830-875-2132

PORT LAVACA
OPERATIONS
P.O. Box 146
Port Lavaca, Texas 77979
361-552-9751

SAN MARCOS WATER
TREATMENT PLANT
91 Old Bastrop Road
San Marcos, Texas 78666
512-353-3888

VICTORIA REGIONAL
WASTEWATER
RECLAMATION SYSTEM
P.O. Box 2085
Victoria, Texas 77902-2085
361-578-2878

WESTERN CANYON
OPERATIONS
4775 South Cranes Mill Road
Canyon Lake, Texas 78132
830-885-2511

GBRA WEBSITE
www.gbra.org

August 7, 2008

File CCP: 20-090-01-0401

Freese and Nichols, Inc.
Janis Murphy, P.E.
4055 International Plaza, Suite 200
Ft Worth, TX 76109

RE: Coleto Creek Dam

Dear Janis Murphy:

Enclosed is the completed datasheet for the Coleto Creek Dam. Under contract with International Power – America, the Guadalupe Blanco River Authority operates and maintains the Coleto Creek Dam. For this reason Mike Fields asked that we complete this datasheet. If you have any questions about the information I have input on the form please give me a call at (361) 575-6366.

Sincerely,

Alan Schneider
Guadalupe Blanco River Authority
Coleto Creek - Reservoir Division

		Comments
Name	Coleto Creek Reservoir	
Impoundment Name	Coleto Creek Cooling Pond	
Dam Name	Coleto Creek Dam	
Owner	~~American Electric Power~~	IPA Coleto Creek Power
Contact Person	Mike Fields	
Telephone	361-788-5112	
Fax	~~361-645-8137~~	361-788-5136
Email	~~mlfields@aep.com~~	mfields@ipr-us.com
Address	P. O. Box 8 Fannin, TX. 77960	
Elevation of TOC (feet)	98.0	
Dead Pool Elevation (feet)	N A	Not available
Original Conservation Pool Total Volume (acre-feet)	31,040	35,084
Original Surface Area at TOC (acre)	3,100	
Original Dead Pool Volume (acre-feet)		N/A
Last Survey Conservation Pool Total Volume (acre-feet)	31,040	35,084
Last Survey Conservation Pool Capacity (acre-feet)	31,040	35,084
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	3,100	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	507	
Contributing Drainage Area (mile^2)		
Main Purposes	flood control	Industrial use: Cooling water supply for Coleto Creek Power Station
Dam Type	earthfill	
Top of Dam Elevation (feet)	120	
Dam Length (feet)	19,300	
Dam Height (feet)	65	
Top Width (feet)		20
Comments Dam General	soil foundation, earth core dam	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		900' from left side of service spillway
Emergency Spillway Elevation (feet above MSL)	107.3	

		Comments
Emergency Spillway Length (feet)	2000	
Maximum Emergency Spillway Discharge Capacity (cfs)	117,240	120,600
Service Spillway Type	0	Controlled Ogee
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	99	71' - top of Ogee
Service Spillway Length (feet)		280' (gated area)
Maximum Service Spillway Discharge Capacity (cfs)		294,700
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	8	7
Maximum Gate Release Capacity (cfs)		42,100
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		60'
Discharge Capacity of Outlet Works (cfs)		265 cfs
Elevation of Water Supply Outlet (in Dam)		N/A
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	20,848	
Year 2060 Yield (acre-feet)	20,848	
River Basin	Guadalupe	
Stream	Coleto Creek	
County	Goliad & Victoria	
Nearest town	Victoria	
Distance from Nearest Town (miles)	12	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	28.7233	
Dam Central Longitude	-97.1667	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	32,500	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5486	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	35,084	
Priority Date(s)	01/07/1952, 01/10/1977	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Coleto Creek

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer URS

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Jim Chapman Lake	
Impoundment Name		
Dam Name	Cooper Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	440.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	310,312	✓
Original Surface Area at TOC (acre)	19,305	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	310,312	298930
Last Survey Conservation Pool Capacity (acre-feet)	310,019	298930
Last Survey Dead Pool Volume (acre-feet)	293	0
Last Survey Area at TOC (acres)	19,305	17958
Date of Last Survey	n/a	August 2005 / July 2007
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	476	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	465	464.5
Dam Length (feet)	28,072	✓
Dam Height (feet)	95	78.5
Top Width (feet)	20 to 46 ft	30
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		right abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	450	446.2
Emergency Spillway Length (feet)	700	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	134,700	at Maximum Design Water Surface
Service Spillway Type	~~controlled~~	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	~~446~~	
Service Spillway Length (feet)	~~200~~	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	~~controlled ogee, 5 gates each 40x20 ft.~~	
Type of Gates	slide(sluice)	
Number of Gates	1	2
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	398.0	394
Discharge Capacity of Outlet Works (cfs)		3450 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	127,983	
Year 2060 Yield (acre-feet)	117,400	
River Basin	Sulphur	
Stream	South Sulphur River	
County	Delta, Hopkins	
Nearest town	Cooper	
Distance from Nearest Town (miles)	3	4

		Comments
Direction from Nearest Town	SE	✓
Dam Central Latitude	33.3356	✓
Dam Central Longitude	-95.631	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	146,520	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4797, C4798, C4799	
Permit Number(s)		
Latest Amendment	4797B, 4799C	
Authorized Impoundment	310,000	
Priority Date(s)	11/19/1965	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Country Club Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

n/a

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No n/a

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No n/a

Thank you for your time!

Freese and Nichols, Inc.
4055 International Plaza, Suite 200
Fort Worth, TX 76109

Please note
* Changes

		Comments
Name	Casa Blanca Lake	
Impoundment Name		
Dam Name	Country Club Dam	
Owner	Webb County	
Contact Person	~~Tomas M. Rodriguez, Jr.~~ *	change to Fitzgerelda G. Sanchez, P.E.
Telephone	956-523-4055	
Fax	956-523-5008	
Email	~~trodriguez@webbcounty.com~~	fgsanchez@webbcounty.tx.gov
Address	1110 Washington St., Suite 303 Laredo, TX 78042	
Elevation of TOC (feet)	446.5	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	20,000	
Original Surface Area at TOC (acre)	1,656	
Original Dead Pool Volume (acre-feet)		not ~~est~~ known
Last Survey Conservation Pool Total Volume (acre-feet)	~~20,000~~	not available
Last Survey Conservation Pool Capacity (acre-feet)	~~20,000~~	not available
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	~~1,656~~	not known
Date of Last Survey	~~28042~~	not known
Last Survey Performed by		n/a
Total Drainage Area (mile^2)	117	
Contributing Drainage Area (mile^2)	117	
Main Purposes	~~irrigation, recreation~~	recreation
Dam Type	earthfill	
Top of Dam Elevation (feet)	467	
Dam Length (feet)	5,000	
Dam Height (feet)	76 (Report 126); 78 (NID 2006)	
Top Width (feet)	~~20~~	40 average
Comments Dam General		none
Year(s) of Modifications		1979
Description of Modifications		
Emergency Spillway Type	~~*uncontrolled~~	Natural Channel
Emergency Spillway Location	*	Near right Abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	~~446.5~~	458.6
Emergency Spillway Length (feet)	260	Approx 800 ft
Maximum Emergency Spillway Discharge Capacity (cfs)	88,373	
Service Spillway Type	~~none~~	Earth cut
Service Spillway Location		approx. 3500 ft NE of Left Abutment
Service Spillway Elevation (feet above MSL)	~~445~~	446.4
Service Spillway Length (feet)		approx 546 ft
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		Trapezoidal natground w/ side slopes 2H to 1V & 3H to 1V.
Type of Gates	~~none~~	n/a
Number of Gates		n/a
Maximum Gate Release Capacity (cfs)		n/a
Hydropower (Y/N)	N	
No. of Hydropower Units		n/a
Generation Capacity (mW)		n/a
Type of Outlet Works	~~none~~	8" pipe to pump house
Elevation of Outlet Works (feet above MSL)		~~n/a~~ not known valve on pipe
Discharge Capacity of Outlet Works (cfs)		~~n/a~~ 8" pipe capacity not known
Elevation of Water Supply Outlet (in Dam)		~~not known~~ n/a
Discharge Capacity of Water Supply Outlet in Dam (cfs)		n/a
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		n/a
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)		
River Basin	Rio Grande	
Stream	Chacon Creek	
County	Webb	
Nearest town	Laredo	
Distance from Nearest Town (miles)	0	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	27.5333	
Dam Central Longitude	-99.4483	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	600	
Total Non Consumptive Use (Ac-Ft/Yr)		n/a
Type of Use, Non-Consumptive Diversion	0	n/a
Type of Use, Multiple Purpose Consumptive Diversion	0	n/a
Water Right or Application Number(s)	C2744	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	20,000	
Priority Date(s)	07/20/1970	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Casa Blanca dam

Nicole Heinley

From: Fitzgeraldo G. Sanchez [fgsanchez@webbcountytx.gov]
Sent: Wednesday, July 02, 2008 4:56 PM
To: Nicole Heinley
Cc: Laura Pena
Subject: FW: Freese and Nichols update of data for Report 126
Follow Up Flag: Follow up
Flag Status: Completed
Attachments: scan letterDOC070208.tif,20080702.tif

Ms. Heinley

1. I am attaching information contained in a report by the US Army Corps of Engineers. Please call me if you do not find what you need.
2. This question is also answered in the attached .pdf document.
3. Length of crest was widened to 546 as also noted in the document.

Please let me know if these questions are still not answered to your satisfaction with the additional information here provided.
Regards,

Fitzgeraldo

From: Laura Pena
Sent: Wednesday, July 02, 2008 4:29 PM
To: Fitzgeraldo G. Sanchez (fgsanchez@webbcountytx.gov)
Subject: FW: Freese and Nichols update of data for Report 126

Mr. Sanchez,
Please respond to this e-mail. They have my name because I e-mail them the Texas Water Development Board's 1973 Report 126 "Dams and Reservoirs in Texas that you completed and that you instructed to scan, e-mail or fax.

Thank you,
Laura

From: Nicole Heinley [mailto:knh@freese.com]
Sent: Wednesday, July 02, 2008 3:00 PM
To: Laura Pena
Subject: RE: Freese and Nichols update of data for Report 126

Dear Ms. Pena,

We want to thank you and Mr. Sanchez for responding to our questionnaire. There are a couple of pieces of information that we were hoping to clarify.

1. Mr. Sanchez indicated that there were modifications made to the dam in 1978. What exactly were these modifications?
2. We also wanted to verify that there is only a service spillway and no emergency spillway – is this correct? And the crest of the service spillway is at elevation 446.5?
3. In addition, we want to make sure that one of our questions regarding the service spillway is clear. We

asked for the service spillway length, but what we are really looking for is the width of the spillway. I realize that this may still be confusing, so please feel free to call either me or Janis for further clarification.

Thank you again for your help.

Nicole

Nicole Heinley
Freese and Nichols, Inc.
(p) 817-735-7588

ORIGINAL

RIO GRANDE BASIN

CASA BLANCA DAM

WEBB COUNTY, TEXAS

INVENTORY NUMBER TX 02267

PHASE I INSPECTION REPORT
NATIONAL DAM SAFETY PROGRAM

U. S. ARMY ENGINEER DISTRICT, FORT WORTH
CORPS OF ENGINEERS
FORT WORTH, TEXAS

JUNE 1978

REPORT PREPARED BY
TEXAS DEPARTMENT OF WATER RESOURCES
AUSTIN, TEXAS

PHASE I INSPECTION REPORT
NATIONAL DAM SAFETY PROGRAM

CASA BLANCA DAM
WEBB COUNTY, TEXAS

INSPECTION BY TEXAS DEPARTMENT OF WATER RESOURCES

DATE OF INSPECTION: JUNE 14, 1978

Casa Blanca Dam is a large sized, high hazard earthfill structure. Construction work on improvements begun in 1974 is still in progress.

The dam appears to be structurally stable and hydraulically adequate, assuming completion of the modifications now in progress. The spillways are capable of passing the probable maximum flood with 5.1 feet of freeboard. A leak in a conduit which runs through the embankment and slight erosion on the lower portion of the upstream slope were noted during the inspection.

The following remedial measures are recommended to minimize the possibility of property damage or loss of life during flood conditions:

(1) Initiate a regular inspection and maintenance program.

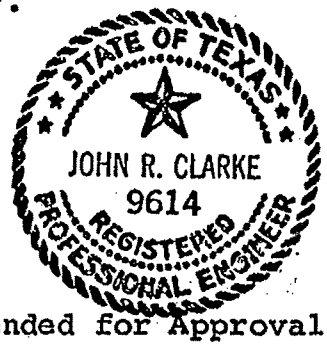
(2) Unclog the silted in toe drains.

(3) If not already accomplished, the conduit leakage should be stopped, and the pipe repaired.

(4) Protect the embankment from erosion by growing grass on the slopes when modifications are completed.

(5) Maintain a good riprap cover on the lower portion of the upstream slope to protect against erosion of the roadway berm.

(6) When completing downstream slope modifications, restore the cut portion of the slope along the downstream roadway.



John R. Clarke, P.E.
Head, Dam Safety Unit
Texas Department of Water Resources

Recommended for Approval:

Richard L. Nader, Chief
Foundations and Materials
Branch

Approved by:

HARVEY D. HODGES
LTC, CE
Acting District Engineer

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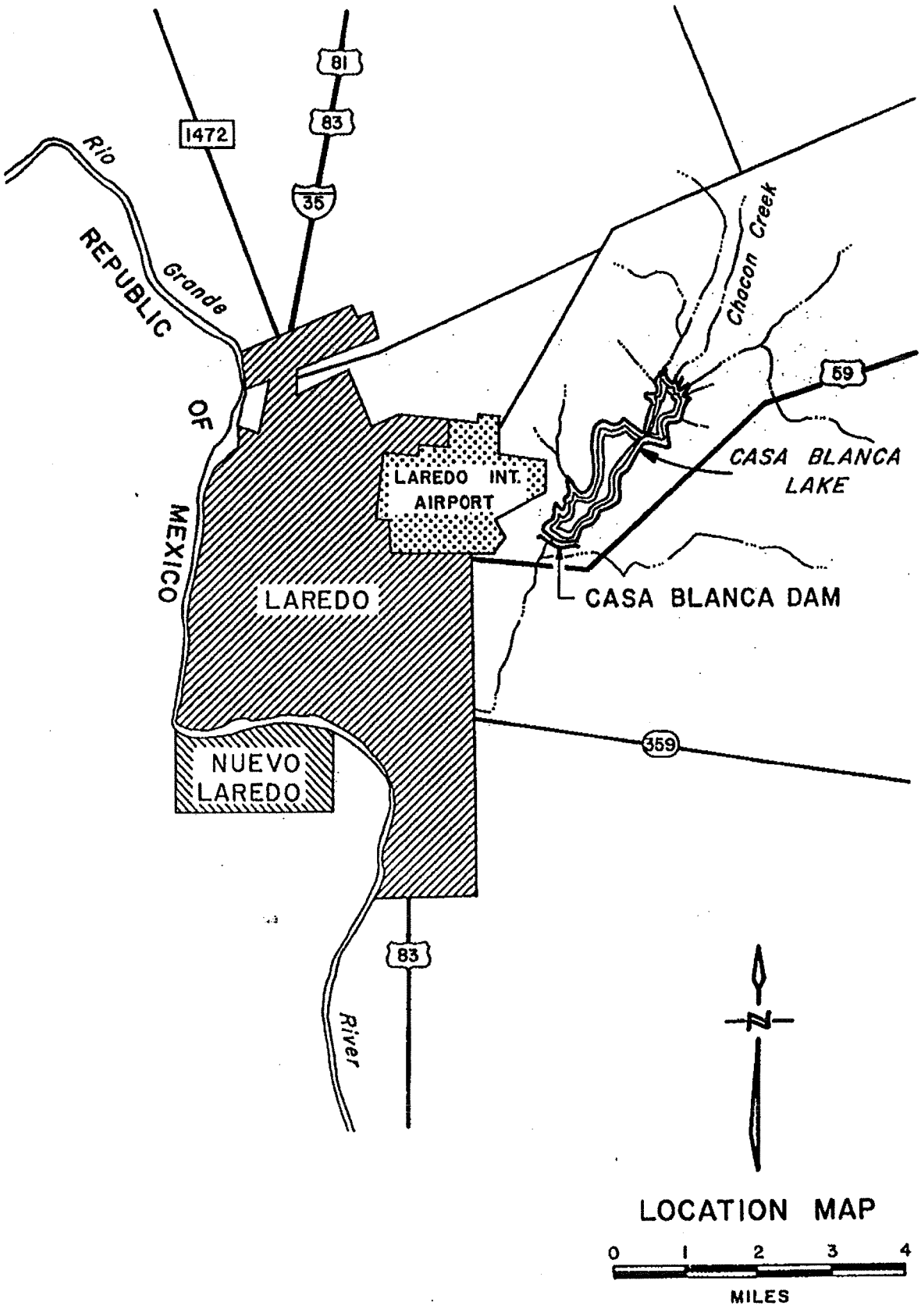
81
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CASA BLANCA DAM
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SECTION 1 - PROJECT INFORMATION

1.1 General.

a. Authority. The National Dam Inspection Act, Public Law 92-367, August 8, 1972, provides for a National Inventory and Safety Inspection of nonfederal dams throughout the United States.

b. Purpose of inspection. A technical inspection and evaluation of Casa Blanca Dam and appurtenances was performed, including a review of available engineering data. The purpose was to determine if, based on this information, the dam constitutes a danger to human life or property. Also, the report shall provide a basis for any recommended studies or remedial measures.

1.2 Description of Project.

a. Description of dam and appurtenances. Casa Blanca Dam is a curved earthfill structure. A berm along the entire upstream embankment slope supports a paved roadway.

An earthcut service spillway is located approximately 3500 feet northeast of the left abutment. An emergency spillway is located near the right abutment. Flow from both spillways discharges into Chacon Creek below the dam.

A pump house is located on the upstream slope approximately 1600 feet from the right end of the dam. Water is piped through the embankment via an eight-inch conduit to the golf course just downstream from the dam. For more information, refer to Appendix C.

b. Location. Casa Blanca Dam is located approximately four miles northeast of Laredo, Texas.

c. Size classification. Casa Blanca Dam is classified as large in size, with an impoundment capacity of 77,800 acre-feet at top-of-dam elevation.

d. Hazard classification. Casa Blanca Dam is classified as a high hazard structure. In the event of failure, loss of downstream life and property could be excessive.

e. Ownership. Casa Blanca Dam is owned by Webb County, Texas.

f. Purpose of dam. Casa Blanca Lake is primarily used for irrigation and recreation.

g. Design and construction history. Casa Blanca Dam was constructed in 1946 by Webb County, using its own forces and equipment. Before completion, the structure was severely damaged in 1947, when the first impounded floodwaters caused piping underneath the earth embankment. According to John E. Foster, P.E., the project's consulting engineer at present, a fault below the center closure section of the dam contributed to this failure. A new dam was designed by Mr. Terrell Bartlett and Mr. Royce Tipton. Reconstruction began in 1947 and was completed in 1951.

Claim No. 797 was recorded by the Texas Water Rights Commission (TWRC) on August 15, 1969. Application No. 2858 (for a permit to appropriate state water) was filed with the TWRC on July 20, 1970. In detail, the application requested that 600 acre-feet per annum be diverted for irrigation of the golf course immediately downstream from the dam, and that 100 acre-feet per annum be used as standby reserve for the city of Laredo and Laredo Air Force Base. Permit No. 3115 was granted by the TWRC on February 25, 1974, permitting the diversion of 600 acre-feet per annum for irrigation. Also, the Commission authorized the County of Webb to use Casa Blanca Lake for recreational purposes.

Permit No. 3115 was finally issued by the Commission on May 21, 1975, under the condition that the flood passing capability of the structure would be increased within two years. Improvements of Casa Blanca Dam were planned in two phases. (See Paragraph 6.1d.) During both phases of improvements, the crest of the dam was to be raised, and the service spillway was to be widened.

As of May 31, 1976, Phase I improvements on Casa Blanca Dam and spillway were 99.6 percent complete. A two-year time extension was granted by the Commission on July 19, 1977, because financial problems were slowing the County's work

progress. As of November 30, 1977, Phase II improvements on Casa Blanca Dam and spillway were 48 percent complete. See Paragraph 3.1 for a description of improvements to date.

h. Normal operational procedures. Refer to Paragraph 4.1 for normal operating procedures.

1.3 Pertinent Data.

a. Drainage area. The drainage area is 116.55 square miles.

b. Discharge at damsite. Streamflow data for Casa Blanca Dam are not available.

The combined service and emergency spillway discharge capacity at elevation 467.00 feet MSL is 177,000 CFS.

c. Elevation (feet above MSL).

Top of dam	467.00
Maximum pool PMF	461.9
Maximum pool design surcharge	Unknown
Service spillway crest	446.4
Emergency spillway crest	458.6
Roadway berm on upstream slope	454 (estimated; see Exhibit C-10)
Streambed at centerline of dam	389.0
Maximum tailwater	Unknown

d. Reservoir (miles).

Length at service spillway crest	3.31
Length at emergency spillway crest	4.47

e. Storage (acre-feet).

Top of dam	77,800
Maximum pool PMF	58,600
Service spillway crest elevation	20,000

f. Reservoir Surface (acres).

Top of dam	4,100
Maximum pool PMF elevation	3,450
Service spillway crest elevation	1,680

g. Dam.

Type	Earthfill
Length	5,000 feet
Maximum height	78 feet (estimated)
Top width	40 feet (average)
Side slopes	downstream, 2H to 1V; upstream, 3H to 1V
Zoning	Compacted impervious core and compacted pervious outer zones
Cutoff	Steel sheet piling, left third of the upstream slope
Grout curtain	None

h. Diversion and regulating tunnel. None

i. Spillways.

(1) Service spillway.

Type	Earthcut
Length of crest	Present control width of 300 feet is being widened to 546 feet
Crest elevation	446.4 feet MSL
Gates	None
Upstream channel	The upstream channel is approximately 596 feet wide and trapezoidal in shape.
Downstream channel	The downstream channel is trapezoidal in shape, having a present controlling width of 300 feet. Spillway flow discharges into a natural stream channel approximately 2600 feet downstream from the spillway mouth.

(2) Emergency spillway.

Type	Natural channel
Length of crest	Approximately 800 feet
Crest elevation	458.6 feet MSL
Gates	None
Upstream channel	The upstream channel is a natural depression near the right abutment.
Downstream channel	The downstream channel is a natural stream channel which carries emergency spillway flow parallel to

(2) Emergency spillway (cont'd).

Downstream channel (cont'd)	the embankment toe, then into Chacon Creek just downstream from the dam.

j. Regulating outlets. None

July 01,2008

Freese and Nichols, Inc.
Janis Murphy
4055 International Plaza, Suite 200
Ft. Worth , Texas 76109

RE: Lake Walter E. Long (Decker Creek) Dam

Dear Janis Murphy,

Attached you will find Austin Energy's response to your inquiries about Lake Walter E. Long's impoundment dam. I also included the Freese and Nichols file number for the October 2001 report on the dam.

If you have any questions or concerns please contact me at 512-505-7375 or by email at james.earley@austinenergy.com .

Respectfully,

James N. Earley

Decker Creek

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☐ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No Ref. Freese & Nichols, INC report # AUS 00383

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No

Thank you for your time!

no emergency spillway

		Comments
Name	Walter E Long, Lake	
Impoundment Name		
Dam Name	Decker Creek Dam	
Owner	Austin Energy	
Contact Person	James Earley	
Telephone	512-505-7375	
Fax	512-972-0138	
Email	jane.burazer@ci.austin.tx.us	
Address	P.O. Box 1088 Austin, TX 78767	
Elevation of TOC (feet)	556.5 555.0	changed to 556.5 Dec 1996
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	33,940	Volume unchanged
Original Surface Area at TOC (acre)	1,269	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	33,940	
Last Survey Conservation Pool Capacity (acre-feet)	33,940	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1,269	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	9	
Contributing Drainage Area (mile^2)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	563	
Dam Length (feet)	6,390	
Dam Height (feet)	83	
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location	center of dam	

Service

Gates 2
45'x25'

		Comments
Emergency Spillway Elevation (feet above MSL)	530	
Emergency Spillway Length (feet)	90	Service not [illegible]
Maximum Emergency Spillway Discharge Capacity (cfs)	34,467	
Service Spillway Type	controlled 0	
Service Spillway Location	center of dam	
Service Spillway Elevation (feet above MSL)	~~555~~	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	
Stream if Off-Channel	channel	
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Decker Creek	
County	Travis	
Nearest town	Austin	
Distance from Nearest Town (miles)	9 miles E	

		Comments
Direction from Nearest Town	E	
Dam Central Latitude	30.285	
Dam Central Longitude	-97.5967	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	36,456	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5489	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	33,940	
Priority Date(s)	08/20/1945	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

FILM CODE

00005524128

THE STATE OF TEXAS)
COUNTY OF TRAVIS)
I hereby certify that this is a true and correc
copy of a Texas Natural Resource Conservatio
Commission document, which is filed in th
permanent records of the Commission.
Given under my hand and the seal of office o

Mamie M. Black DEC 17 1996

Mamie M. Black, Acting Chief Clerk
Texas Natural Resource
Conservation Commission

CERTIFICATE NO. 14-5489A

AMENDMENT TO CERTIFICATE OF ADJUDICATION

APPLICATION NO. 14-5489A

Name :	City of Austin, Water and Wastewater Utility	Address :	PO Box 1088 Austin, Texas 78767
Filed :	April 15, 1996	Granted :	DEC 6 1996
County :	Travis	Priority Date :	February 23, 1965
Watercourse :	Decker Creek, tributary of Gilliland Creek, tributary of the Colorado River	Watershed :	Colorado River Basin

WHEREAS, Certificate of Adjudication No. 14-5489 was issued to the City of Austin on June 28, 1989 and includes authorization for owner, with a time priority of February 23, 1965, to maintain an existing dam and reservoir (Lake Walter E. Long) on Decker Creek in Travis County, approximately 8.3 miles east of Austin, Texas and to impound therein not to exceed 33,940 acre-feet of water; and

WHEREAS, the normal pool elevation of the lake is 555 feet above mean sea level (msl); and

WHEREAS, applicant seeks to amend the certificate to raise the normal pool elevation of Lake Water E. Long to 556.5 feet msl to increase storage of water for cooling at the power station; and

WHEREAS, applicant has indicated that the capacity of the reservoir between elevation 555 feet msl and 556.5 feet msl would be 2060 acre-feet; and

WHEREAS, the applicant has submitted a hydrographic survey of the reservoir which was completed by the Lower Colorado River Authority and shows significant sedimentation which has resulted in a reduction in the actual capacity of the reservoir as being 29,480 acre-feet which is 4460 acre-feet less than authorized; and

WHEREAS, the application does not involve an additional appropriation of water since the actual capacity of the lake at the proposed pool elevation of 556.5 feet msl will be less than the capacity now authorized; and

WHEREAS, the Texas Natural Resource Conservation Commission finds that jurisdiction over the application is established; and

WHEREAS, the Commission has complied with the requirements of the Texas Water Code and Rules of the Texas Natural Resource Conservation Commission in issuing this amendment.

NOW, THEREFORE, this amendment to Certificate No. 14-5489 is issued to the City of Austin, Water and Wastewater Utility subject to the following terms and conditions:

REAL PROPERTY RECORDS
Travis County, Texas

REAL PROPERTY RECORDS
Travis

12039 0379

BRA Edits

Name	Granbury, Lake	
Other Name(s)		
Impoundment Name		
Dam Name	De Cordova Bend Dam	
Name Source		
Name Comments		
In Report 126? (Y or N)	Y	
Updated Since Report 126? (Y or N)		
Design Engineer	Ambursen Engineering Company	
Construction Contractor	H.B. Zachry Company	
Construction Cost	$7,800,000	
Modification Engineer		
Modification Contractor		
Modification Cost		
Construction Source	NID 2006, Report 126	
Construction Comments		
Owner	Brazos River Authority	
Contact Person	~~Terry Lopas~~	Phil Ford
Telephone	~~254-761-3181~~	254-761-3100
Fax	254-761-3205	
Email	~~tlopas@brazos.org~~	pford@brazos.org
Address	P.O. Box 7555 Waco, TX 76714-7555	
Contact Source		
Contact Comments		
Elevation of TOC (feet)	693	
Dead Pool Elevation (feet)		
Datum		
Original Conservation Pool Total Volume (acre-feet)	~~155000~~	153,500
Original Surface Area at TOC (acre)	8700	
Original Dead Pool Volume (acre-feet)		
Year Construction Started	December 15, 1966	
Year of Completion	1969	
Year Impoundment Began	September 15, 1969	
Source Original Information	Report 126	
Comments Original Information	JJR: Top of Gates: elevation 693.0 ft; Spillway Crest: elevation 658.0 ft, capacity 15,440 ac-ft, area 1,300 acres; Streambed elevation 622.5	
Last Survey Conservation Pool Total Volume (acre-feet)	129011	
Last Survey Conservation Pool Capacity (acre-feet)	~~128803~~	129,011
Last Survey Dead Pool Volume (acre-feet)	965	
Last Survey Area at TOC (acres)	7945	
Date of Last Survey	~~Jul-08~~	Jul-03
Last Survey Performed by	TWDB	
Source Last Survey	Volumetric Survey of Lake Granbury, 2005	
Comments Last Survey		Elevations are BRA datum.
Other Surveys		
Source Other Surveys		
Modification(s) to Conservation Storage		
Total Drainage Area (mile^2)	25679	
Contributing Drainage Area (mile^2)	15451	16,113
Source Drainage Area	NID 2006, Report 126	
Comments Drainage Area	9,240 square miles is probably not contributing	
Main Purposes	water supply, irrigation,~~Industrila~~, Mining	Industrial
Dam Type	gravity	Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Top of Dam Elevation (feet)	706.5	
Dam Length (feet)	2200	
Dam Height (feet)	84	
Top Width (feet)	17	
Source Dam General	NID 2006, Report 126	
Comments Dam General	Ambursen-type concrete and earthfill	
Year(s) of Modifications		1998-2000
Description of Modifications		Added electric hoists to each spillway gate

Gby

1/3

Source Modifications		
Comments Modifications		
Emergency Spillway Type	none	
Emergency Spillway Location		none
Emergency Spillway Elevation (feet above MSL)		none
Emergency Spillway Length (feet)		none
Maximum Emergency Spillway Discharge Capacity (cfs)		none
Source Emergency Spillway Information		none
Comments Emergency Spillway Information		none
Service Spillway Type	controlled	
Service Spillway Location	center of dam	
Service Spillway Elevation (feet above MSL)	658	
Service Spillway Length (feet)	576	
Maximum Service Spillway Discharge Capacity (cfs)	635000	
Source Service Spillway Information	NID 2006, Report 126	
Comments Service Spillway Information	Gate-controlled ogee weir, 16 gates 36x35 ft.	
Type of Gates	tainter(radial)	
Number of Gates	16	
Maximum Gate Release Capacity (cfs)		
Source Gates	NID 2006, Report 126	
Comments Gates	~~15 tainter 1 slide~~	
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Source Hydropower	NID 2006	
Comments Hydropower		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	652 and 640 msl	652ft and 640 ft above msl
Discharge Capacity of Outlet Works (cfs)		754, 762, and 25 at 693 ft above msl
Elevation of Water Supply Outlet (in Dam)		652ft and 640 ft above msl
Discharge Capacity of Water Supply Outlet in Dam (cfs)		754, 762, and 25 at 693 ft above msl
Source Outlets	Report 126	
Comments Outlets	Concrete sluiceway	
Location of Reservoir Water Supply Outlets		On right side adjacent to service spillway
Source Water Supply Locations		
Comments Water Supply Locations		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY,SY,Other)	FY	
Year 2010 Yield (acre-feet)	~~64462~~	67,390
Year 2060 Yield (acre-feet)	~~63212~~	66,370
Source Yield	~~DB07~~	Brazos River Authority
Comments Yield		
River Basin	Brazos	
Stream	Brazos River	
County	Hood	
Nearest town	Granbury	
Distance from Nearest Town (miles)	8	
Direction from Nearest Town	SE	
Source Location	SE in Google Mapse	
Comments Location		
Water Planning Region	G	Brazos G
Dam Central Latitude	32.3733	
Dam Central Longitude	-97.6883	
Source Lat/Long		

Gby
2/3

Upstream USGS Gauge Number(s)	08090800	
Upstream USGS Gauge Name(s)	Brazos River near Dennis, Tex.	
Down Stream USGS Gauge Number(s)	08091000	
Down Stream USGS Gauge Names(s)	Brazos River near Glen Rose, Tex.	
Reservoir USGS Gauge Number	08090900	
Reservoir USGS Gauge Name	Lake Granbury near Granbury, Tex.	
Source USGS Gauge Data	1999 Index of Stations	
Comments USGS Gauge Data		
Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)	64712	
Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)		
Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)		
Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)		
Authorized Mining Consumptive Diversion (Ac-Ft/Yr)		
Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)		
Authorized Other Consumptive Diversion (Ac-Ft/Yr)		
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	64712	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion		
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right Type (CA or P)	CA	
Water Right or Application Number(s)	C5156	CA 12-5156
Permit Number(s)		
Latest Amendment	A	E
Authorized Impoundment	155000	155,000 acre-feet
Priority Date(s)	02/13/1964	
Source Water Rights Information	TCEQ Database	and CA 12-5156
Comments Water Rights Information	RAI: Did not included Water Rights 4114, 4062, ar	BRA did not research these water rights
WAM Reservoir ID	GRNBRY	
WAM Control Point ID for Dam	515631	
Other Associated WAM Control Point IDs		
Hazard Rating	High	

Gby
3/3

De Cordova Bend Dam (Lake Granbury)

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

Added electric hoists to each spillway gate.

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer HDR

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format?

☒ Yes probably ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

Brazos River Authority

QUALITY • CONSERVATION • SERVICE

July 17, 2008

Janis C. Murphy, PE
Freese and Nichols, Inc.
4055 International Plaza, Ste 200
Fort Worth, TX 76109

Re: De Cordova Bend Dam
Sterling C. Robertson Dam
Morris Sheppard Dam
Update to TWDB Report 126

Dear Ms. Murphy:

I am in receipt of your June 3, 2008 letter to Terry Lopas regarding DeCordova Bend Dam, Sterling C. Robertson Dam, and Morris Sheppard Dam. BRA has reviewed and updated where appropriate the information on the data tables for inclusion in the update of TWDB Report 126. Mitch Sodek in my office called and received from you the spreadsheet versions of the data tables from you and I am transmitting the edited tables back to you. Also enclosed for each of the three dams are the questionnaires regarding significant modifications.

I'm pleased that you are updating Report 126 – that has been a favorite reference of mine over the years. If you have any comments or questions on the information we're sending you, please call or email. My email address is dwheelock@brazos.org.

Very truly yours,

BRAZOS RIVER AUTHORITY

David C. Wheelock, PE
Water Services Manager

attachments

4600 Cobbs Drive • P.O. Box 7555 • Waco, Texas 76714-7555
254-761-3100 • FAX 254-761-3202

		BRA Edits
Name	Granbury, Lake	
Other Name(s)		
Impoundment Name		
Dam Name	De Cordova Bend Dam	
Name Source		
Name Comments		
In Report 126? (Y or N)	Y	
Updated Since Report 126? (Y or N)		
Design Engineer	Ambursen Engineering Company	
Construction Contractor	H.B. Zachry Company	
Construction Cost	$7,800,000	
Modification Engineer		
Modification Contractor		
Modification Cost		
Construction Source	NID 2006, Report 126	
Construction Comments		
Owner	Brazos River Authority	
Contact Person	~~Terry Lopas~~	Phil Ford
Telephone	~~254-761-3181~~	254-761-3100
Fax	254-761-3205	
Email	~~tlopas@brazos.org~~	pford@brazos.org
Address	P.O. Box 7555 Waco, TX 76714-7555	
Contact Source		
Contact Comments		
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Dead Pool Elevation (feet)		
Datum		
Original Conservation Pool Total Volume (acre-feet)	~~155000~~	153,500
Original Surface Area at TOC (acre)	8700	
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Year(s) of Modifications		1998-2000
Description of Modifications		Added electric hoists to each spillway gate
Source Modifications		
Comments Modifications		
Emergency Spillway Type	none	
Emergency Spillway Location		none
Emergency Spillway Elevation (feet above MSL)		none
Emergency Spillway Length (feet)		none
Maximum Emergency Spillway Discharge Capacity (cfs)		none
Source Emergency Spillway Information		none
Comments Emergency Spillway Information		none
Service Spillway Type	controlled	
Service Spillway Location	center of dam	
Service Spillway Elevation (feet above MSL)	658	
Service Spillway Length (feet)	576	
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Type of Gates	tainter(radial)	

Number of Gates	16	
Maximum Gate Release Capacity (cfs)		
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Comments Gates	~~15 tainter 1 slide~~	
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Comments Outlets	Concrete sluiceway	
Location of Reservoir Water Supply Outlets		On right side adjacent to service spillway
Source Water Supply Locations		
Comments Water Supply Locations		
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Stream if Off-Channel		
Yield Type (FY,SY,Other)	FY	
Year 2010 Yield (acre-feet)	~~64462~~	67,390
Year 2060 Yield (acre-feet)	~~63212~~	66,370
Source Yield	~~DB07~~	Brazos River Authority
Comments Yield		
River Basin	Brazos	
Stream	Brazos River	
County	Hood	
Nearest town	Granbury	
Distance from Nearest Town (miles)	8	
Direction from Nearest Town	SE	
Source Location	SE in Google Mapse	
Comments Location		
Water Planning Region	G	Brazos G
Dam Central Latitude	32.3733	
Dam Central Longitude	-97.6883	
Source Lat/Long		
Upstream USGS Gauge Number(s)	08090800	
Upstream USGS Gauge Name(s)	Brazos River near Dennis, Tex.	
Down Stream USGS Gauge Number(s)	08091000	

Down Stream USGS Gauge Names(s)	Brazos River near Glen Rose, Tex.	
Reservoir USGS Gauge Number	08090900	
Reservoir USGS Gauge Name	Lake Granbury near Granbury, Tex.	
Source USGS Gauge Data	1999 Index of Stations	
Comments USGS Gauge Data		
Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)	64712	
Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)		
Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)		
Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)		
Authorized Mining Consumptive Diversion (Ac-Ft/Yr)		
Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)		
Authorized Other Consumptive Diversion (Ac-Ft/Yr)		
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	64712	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion		
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right Type (CA or P)	CA	
Water Right or Application Number(s)	C5156	CA 12-5156
Permit Number(s)		
Latest Amendment	A	E
Authorized Impoundment	155000	155,000 acre-feet
Priority Date(s)	02/13/1964	
Source Water Rights Information	TCEQ Database	and CA 12-5156
Comments Water Rights Information	RAI: Did not included Water Rights 4114, 4062, ar	BRA did not research these water rights
WAM Reservoir ID	GRNBRY	
WAM Control Point ID for Dam	515631	
Other Associated WAM Control Point IDs		
Hazard Rating	High	

		Comments
Name	Eagle Lake	
Impoundment Name		
Dam Name	Eagle Lake Dam	
Owner	Lower Colorado River Authority	
Contact Person	Mike Lowe, P.E.	
Telephone	512-473-4076	
Fax	512-473-3551	
Email	jkabir@lcra.org	Mike - Lowe @ LCRA - PAT
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	170.0	Don't think this should even be listed. It has no sig yield of its own
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	9,600	
Original Surface Area at TOC (acre)	1,200	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	9,600	
Last Survey Conservation Pool Capacity (acre-feet)	9,600	M.L.
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	1,200	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	20	
Contributing Drainage Area (mile^2)		
Main Purposes	irrigation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,700	
Dam Length (feet)	5,300	
Dam Height (feet)	Varies, 6ft. +-	
Top Width (feet)		
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	southeast corner	

		Comments
Emergency Spillway Elevation (feet above MSL)		
Emergency Spillway Length (feet)		
Maximum Emergency Spillway Discharge Capacity (cfs)		
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	0	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	
Stream if Off-Channel	Colorado River	
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Moores Branch	
County	Colorado	
Nearest town	Eagle Lake	
Distance from Nearest Town (miles)	0	

		Comments
Direction from Nearest Town	S	
Dam Central Latitude	29.5706	
Dam Central Longitude	-96.4017	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	186,250	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5475	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	9,600	
Priority Date(s)	01/04/1901, 09/01/1907	
Hazard Classification	0	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Eagle Nest Lake Dam

Janis Murphy

From: Bruce Smith [bsbugler@comcast.net]
Sent: Monday, June 16, 2008 4:43 PM
To: Janis Murphy
Subject: Dam

In regard to the letter and forms you sent to T.L. Smith, Et Al concerning Eagle Nest Lake Dam in Brazoria County, Texas, be advised that we sold this property in July of 2006. The new owner is Spanish Trail Land & Cattle Company at 981 Ridgewood Ave, Suite 101, Venice, Fl. 34285.

Bruce Smith
P.O. Box 19572
Houston, Tx. 77224

Ellison Creek Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

About 1995 a new stilling basin was installed at outlet of spillway

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Freese and Nichols Ft. Worth, TX

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Ellison Creek Reservoir	
Impoundment Name		
Dam Name	Ellison Creek Dam	
Owner	~~Lone Star Steel Company~~	U. S. Steel Tubular Products Inc
Contact Person	~~Mike Reeves~~	Ronnie Rouse
Telephone	903-656-6934	903-656-6294
Fax	~~903-656-7382~~	903-656-7464
Email	wilsonj@lonestarsteel.com	JRRouse@uss.com
Address	6866 Highway 259 South, P.O. Box 1000 Lone Star, TX 75668	ok
Elevation of TOC (feet)	268.1	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	24,700	
Original Surface Area at TOC (acre)	1,516	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	24,700	
Last Survey Conservation Pool Capacity (acre-feet)	24,700	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1,516	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	37	
Contributing Drainage Area ($mile^2$)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	280	
Dam Length (feet)	4,000	
Dam Height (feet)	48.5 (Report 126), 49 (NID 2006)	
Top Width (feet)	18	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	right of the dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	273.1	
Emergency Spillway Length (feet)	1500 (Report 126), 1800 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	39,149	
Service Spillway Type	uncontrolled	
Service Spillway Location	left end of dam	
Service Spillway Elevation (feet above MSL)	268	
Service Spillway Length (feet)	300	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	Concrete	
Type of Gates	unknown	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	235.1	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	13,857	
Year 2060 Yield (acre-feet)	13,857	
River Basin	Cypress	
Stream	Ellison Creek	
County	Morris	
Nearest town	Lone Star	
Distance from Nearest Town (miles)	On east shore of Lake	

		Comments
Direction from Nearest Town		
Dam Central Latitude	32.9183	
Dam Central Longitude	-94.725	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	23,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4582	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	24,700	
Priority Date(s)	11/30/1942, 05/08/1972	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Peacock

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Freese and Nichols Ft. Worth

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Peacock Site 1A Tailings Reservoir	
Impoundment Name	Peacock Site 1A Tailing Reservoir	
Dam Name	Peacock Site 1A Tailings Reservoir Dam	
Owner	~~Lone Star Steel Company~~	U.S. Steel Tubular Products Inc
Contact Person	~~Mike Reeves~~	Ronnie Rouse
Telephone	~~903-656-6934~~	903-656-6294
Fax	~~903-656-7382~~	903-656-7464
Email	wilsonj@lonestarsteel.com	JRRouse@uss.com
Address	6866 Highway 259 South, P.O. Box 1000 Lone Star, TX 75668	ok
Elevation of TOC (feet)	400.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	11,248	
Original Surface Area at TOC (acre)	180	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	7,100	
Last Survey Conservation Pool Capacity (acre-feet)	7,100	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	180	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	2	
Contributing Drainage Area ($mile^2$)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	435	
Dam Length (feet)	2,000	
Dam Height (feet)	121	
Top Width (feet)		
Comments Dam General	qlu: main dam, rgs: soil foundation earthfill	
Year(s) of Modifications	1989	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	425	
Emergency Spillway Length (feet)	200	
Maximum Emergency Spillway Discharge Capacity (cfs)	2,540	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	400	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	unknown	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	0	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Cypress	
Stream	Tr-Peacock Creek	
County	Morris	
Nearest town	Lone Star	
Distance from Nearest Town (miles)	2 miles NE	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	32.97	
Dam Central Longitude	-94.6818	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	0	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4582	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	24,000 acre-feet of impoundments for a group of reservoirs, however, only Peacock Site 1 A Tailing Pond was constructed with 7,100 acre-feet.	
Priority Date(s)		
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Freese and Nichols, Inc. Engineers Environmental Scientists Architects

4055 International Plaza, Suite 200 Fort Worth, Texas 76109 817 735-7300 817 735-7491 fax www.freese.com

June 3, 2008

Lone Star Steel Company
Mike Reeves
P.O. Box 1000
Lone Star, TX 75668

RE: Ellison Creek Dam
Peacock Site 1A Tailings Reservoir Dam

Dear Mike Reeves:

On behalf of the Texas Water Development Board, Freese and Nichols, Inc., is collecting data for an update to the Texas Water Development Board's 1973 Report 126 "Dams and Reservoirs in Texas." You are receiving this letter as a result of your structures, Ellison Creek Dam and Peacock Site 1A Tailings Reservoir Dam, being on the list of reservoirs to be included for this update.

Information has been collected on your structure through various agencies such as the Texas Water Development Board (TWDB) and the Texas Commission on Environmental Quality (TCEQ). Included with this letter is a datasheet on all the information which has been collected on your structure. Please review this datasheet for any information which may not be correct, and fill in any information which we are currently missing. We have included a drawing which shows a typical dam section and a glossary of terms.

This information is being collected by the Texas Water Development Board and will be used only to update this report. The data will become the property of the Board.

If you have any questions or concerns about completing the attached datasheet please contact me at (817) 735-7345. Completed datasheets can be returned by mail to the address listed below, by Email to jcm@freese.com, or by fax at (817) 734-7491.

Freese and Nichols, Inc.
Janis Murphy, P.E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

Sincerely,

Janis C. Murphy

Janis C. Murphy, P.E.

Attachments Ellison Creek Dam Datasheet
Peacock Site 1A Tailings Reservoir Dam Datasheet

[TWD07387]T:\LET\Datasheet Cover Letter.doc

		Comments
Name	O' the Pines, Lake	
Impoundment Name		
Dam Name	Ferrells Bridge Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax		
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76120-0300	CESWF-EC-H
Elevation of TOC (feet)	228.5	Summer Pool elev. 230.0 - May 20 - Sept 30
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	254,937	✓
Original Surface Area at TOC (acre)	16,919	18700
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	241,081	✓
Last Survey Conservation Pool Capacity (acre-feet)	238,933	✓
Last Survey Dead Pool Volume (acre-feet)	2,148	✓
Last Survey Area at TOC (acres)	17,677	16919
Date of Last Survey	36069	November 1998
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	880	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply, recreation, ~~other~~	water quality
Dam Type	earthfill	
Top of Dam Elevation (feet)	277	✓
Dam Length (feet)	10,600	✓
Dam Height (feet)	97	✓
Top Width (feet)	30	✓
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		hill area just beyond the east abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	249.5	✓
Emergency Spillway Length (feet)	200	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	79,664	68200 at maximum design water surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	250	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	0	
Number of Gates		2
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	two - 8 ft x 12 ft gates
Elevation of Outlet Works (feet above MSL)	200.0	✓
Discharge Capacity of Outlet Works (cfs)		6400 cfs
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		Low-flow 25 cfs
Location of Reservoir Water Supply Outlets		1-14 inch diameter cast iron pipe, Paralleling outlet structure before intersecting outlet conduit about 9 feet beyond the service gate
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	181,869	
Year 2060 Yield (acre-feet)	181,869	
River Basin	Cypress	
Stream	Cypress Creek	Big Cypress Creek
County	Marion	
Nearest town	Jefferson	
Distance from Nearest Town (miles)	9 miles W	

		Comments
Direction from Nearest Town	W	
Dam Central Latitude	32.7497	32° 45' 18"
Dam Central Longitude	-94.5045	94° 29' 57"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	191,870	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4590	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	251,000	
Priority Date(s)	09/16/1957	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Lake Fork Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

N/A

May we contact the design engineer for additional information or for copies of the plans?

N/A

☐ Yes ☐ No ☐ Unknown

Design Engineer Forrest & Cotton

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Fork Reservoir, Lake	
Impoundment Name	Lake Fork Reservoir	
Dam Name	Lake Fork Dam	
Owner	Sabine River Authority of Texas	
Contact Person	Donnie Henson	
Telephone	409-746-2192	
Fax	409-746-3780	
Email	~~jclark@sratx.org~~	dhenson@sratx.org
Address	P.O. Box 579 Orange, TX 77630	
Elevation of TOC (feet)	403.0	
Dead Pool Elevation (feet)		360.0 ft msl
Original Conservation Pool Total Volume (acre-feet)	675,819	
Original Surface Area at TOC (acre)	27,264	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	636,133	
Last Survey Conservation Pool Capacity (acre-feet)	604,927	
Last Survey Dead Pool Volume (acre-feet)	31,206	
Last Survey Area at TOC (acres)	27,264	
Date of Last Survey	~~36892~~	9/13/2001
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	493	
Contributing Drainage Area (mile^2)		
Main Purposes	municipal, industrial, irrigation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	~~420~~	419.5
Dam Length (feet)	12,410	
Dam Height (feet)	79	
Top Width (feet)		25 ft
Comments Dam General	soil foundation, homogenous earth dam	
Year(s) of Modifications		N/A
Description of Modifications		N/A
Emergency Spillway Type	~~controlled~~	N/A
Emergency Spillway Location		N/A

		Comments
Emergency Spillway Elevation (feet above MSL)		N/A
Emergency Spillway Length (feet)	~~200~~	N/A
Maximum Emergency Spillway Discharge Capacity (cfs)	~~115,347~~	N/A
Service Spillway Type	~~0~~	Controlled
Service Spillway Location		Station #95 + 00 Dam Axis
Service Spillway Elevation (feet above MSL)		385 Ft MSL
Service Spillway Length (feet)		200 Ft
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	Core 10 Steel
Number of Gates	5	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		N/A
Generation Capacity (mW)		N/A
Type of Outlet Works	~~0~~	Pipe & Ballvalve (2) 36" (1) 10"
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		N/A Use Outlets Above for Discharge
Discharge Capacity of Water Supply Outlet in Dam (cfs)		N/A
Location of Reservoir Water Supply Outlets		Left End Pier
On or Off Channel (ON/OFF)	~~On~~	Off
Stream if Off-Channel		Tailrace
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	173,035	
Year 2060 Yield (acre-feet)	166,960	
River Basin	Sabine	
Stream	Lake Fork Creek	
County	Hopkins, Rains, Wood	
Nearest town	Quitman	
Distance from Nearest Town (miles)	5	

		Comments
Direction from Nearest Town	E	West
Dam Central Latitude	32.8067	
Dam Central Longitude	-95.5358	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	188,660	
Total Non Consumptive Use (Ac-Ft/Yr)		N/A
Type of Use, Non-Consumptive Diversion	0	N/A
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4669	3234
Permit Number(s)		#2948/ Cert. of Adjudication #05-4669
Latest Amendment	B	
Authorized Impoundment	675,819	
Priority Date(s)	06/26/1974, 04/16/1992	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

A GOVERNMENT AGENCY
OF THE
State of Texas

(409) 746-2192
FAX (409) 746-3780

SABINE RIVER AUTHORITY of Texas

P.O. BOX 579
ORANGE, TEXAS
77631

July 21, 2008

Ms. Janis Murphy, P.E.
Freese & Nichols, Inc.
4055 International Plaza, Suite 200
Fort Worth, TX 76109

Re: Lake Fork, Iron Bridge, and Toledo Bend Dams

Dear Ms. Murphy:

Attached please find completed data on the above-referenced dams for the "Texas Water Development Board Update of Data for Report 126" per your letter of June 3, 2008.

If you have any questions or need additional information, please advise.

Sincerely,

Donnie Henson
Operations Manager

DH:dkb

Attachments

xc: Butch Choate
Tom Pegues
Randy Traylor
Jim Washburn

Titus County Fresh Water Supply District No. 1

Lake Bob Sandlin / Fort Sherman Dam

TOMMY SPRUILL
Executive Director

June 12, 2008

Freese and Nichols, Inc.
Janis C. Murphy, P.E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

RE: Fort Sherman Dam

Dear Ms. Murphy:

Enclosed please find the completed datasheet for Fort Sherman Dam.

If you have any questions, please feel free to contact me at (903) 572-1844.

Sincerely,

Tommy Spruill
Executive Director

Enclosure

P. O. Box 650 • FM Hwy. 3417 • Mt. Pleasant, TX 75456-0650 • Fax 903/572-0164 • Tel. 903/572-1844

Fort Sherman Dam
Lake Bob Sandlin

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer URS/Forrest and Cotton, Inc.

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Bob Sandlin, Lake	
Impoundment Name		
Dam Name	Fort Sherman Dam	
Owner	Titus County Fresh Water Supply DIS. #1, 33.3%; Texas Water Development Board, 66.7%	AS of 4-13-78 TCFWSD#1 OWNS 100%
Contact Person	Tommy Spruill	
Telephone	903-572-1844	
Fax	903-572-0164	
Email	tspruill@countrynet.net	
Address	P.O. Box 650 Mt. Pleasant, TX 75456-0650	
Elevation of TOC (feet)	337.5	
Dead Pool Elevation (feet)	294.5	
Original Conservation Pool Total Volume (acre-feet)	213,350	
Original Surface Area at TOC (acre)	9,460	
Original Dead Pool Volume (acre-feet)	3303	
Last Survey Conservation Pool Total Volume (acre-feet)	204,678	
Last Survey Conservation Pool Capacity (acre-feet)	200,579	
Last Survey Dead Pool Volume (acre-feet)	4,099	
Last Survey Area at TOC (acres)	9,004	
Date of Last Survey	35827	MAY 14, 1998
Last Survey Performed by	TWDB	
Total Drainage Area (mile^2)	239	UNCONTROLLED DRAINAGE AREA = 127.8
Contributing Drainage Area (mile^2)		MONTECELLO DAM = 36.2 CYPRESS SPRINGS = 75.0
Main Purposes	water supply	
Dam Type	earthfill	
Top of Dam Elevation (feet)	349	
Dam Length (feet)	DAM AND APPURTENANT = 10,800	DAM ONLY = 5650
Dam Height (feet)	69	
Top Width (feet)	25	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	

		Comments
Emergency Spillway Location	Near left end of dam	
Emergency Spillway Elevation (feet above MSL)	341.3	
Emergency Spillway Length (feet)	4660 (NID 2006); 4500 (Report 126)	
Maximum Emergency Spillway Discharge Capacity (cfs)	234,602	
Service Spillway Type	controlled	
Service Spillway Location	left abutment	
Service Spillway Elevation (feet above MSL)	317	316.5
Service Spillway Length (feet)	160 (net)	
Maximum Service Spillway Discharge Capacity (cfs)	74,600	4 GATES OPEN 17 FEET.
Comments Service Spillway Information	Concrete ogee with 4 tainter gates, each 22.5' by 40'	
Type of Gates	tainter(radial)	
Number of Gates	4	
Maximum Gate Release Capacity (cfs)	74,600	
Hydropower (Y/N)	N	
No. of Hydropower Units	-0-	
Generation Capacity (mW)	-0-	
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	294.5 300.0	
Discharge Capacity of Outlet Works (cfs)	700	
Elevation of Water Supply Outlet (in Dam)	307.0 & 328.0.	
Discharge Capacity of Water Supply Outlet in Dam (cfs)	305	
Location of Reservoir Water Supply Outlets	LEFT END PIER	
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	60,430	
Year 2060 Yield (acre-feet)	61,430	IS THIS A TYPO?
River Basin	Cypress	
Stream	Big Cypress Creek	
County	Titus,Camp,Wood & Franklin	
Nearest town	Mt Pleasant	
Distance from Nearest Town (miles)	5	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	33.075	
Dam Central Longitude	-95.0017	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	60,430	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4564,C4590	
Permit Number(s)		
Latest Amendment	4590A	
Authorized Impoundment	213,350	
Priority Date(s)	12/20/1971, 09/16/1957	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Franklin Co. Dam

Lake Cypress Springs

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

Re-Slope down steam slope

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer Freese + Nichols,

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Can you furnish them in a digital format?

☑ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

D. L. Weeks

		Comments
Name	Gilmer, Lake	
Impoundment Name	Lake Gilmer	
Dam Name	Lake Gilmer Dam	
Owner	City of Gilmer	
Contact Person	~~Brian Rodgers~~	DANNY LANCASTER
Telephone	~~903-843-8206~~	903-843-8209
Fax	~~903-843-3508~~	903-843-8208
Email	~~brodgers@etex.net~~	danny1@etex.NET
Address	P.O. Box 760 Gilmer, TX 75644	
Elevation of TOC (feet)	315.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	12,720	
Original Surface Area at TOC (acre)	1,010	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	12,720	
Last Survey Conservation Pool Capacity (acre-feet)	12,720	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1,010	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	36	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation (feet)	329	
Dam Length (feet)	2,550	
Dam Height (feet)	43	
Top Width (feet)		
Comments Dam General		
Year(s) of Modifications	2001	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	319	
Emergency Spillway Length (feet)	800	
Maximum Emergency Spillway Discharge Capacity (cfs)	71,100	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	315	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	none	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	0	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	6,180	
Year 2060 Yield (acre-feet)	6,180	
River Basin	Cypress	
Stream	Kelsey Creek	
County	Upshur	
Nearest town	Gilmer	
Distance from Nearest Town (miles)	2	

		Comments
Direction from Nearest Town	NW	
Dam Central Latitude	32.7624	
Dam Central Longitude	-94.98	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	6,180	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	P5272	
Permit Number(s)	5272	
Latest Amendment	A	
Authorized Impoundment	12,720	
Priority Date(s)	12/14/1989	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer NRS LARRY STONE

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

Gonzalez Creek Dam
Lake Daniel

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Freese + Nichols Inc.

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Daniel, Lake	
Impoundment Name		
Dam Name	Gonzales Creek Dam	
Owner	City of Breckenridge	
Contact Person	Gary Ernest	
Telephone	254 559-8287	
Fax	254-559-7322	
Email	gernest@wtconnect.com	
Address	105 North Rose Ave. Breckenridge, TX 76424	
Elevation of TOC (feet)	1,278.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	9,515	
Original Surface Area at TOC (acre)	924	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	9,515	
Last Survey Conservation Pool Capacity (acre-feet)	9,435	
Last Survey Dead Pool Volume (acre-feet)	80	
Last Survey Area at TOC (acres)	924	
Date of Last Survey	28740	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	115	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,295	
Dam Length (feet)	2,655	
Dam Height (feet)	60 (report 126); 50 (NID 2006)	
Top Width (feet)	18	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	left end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	1284.5	
Emergency Spillway Length (feet)	1500	
Maximum Emergency Spillway Discharge Capacity (cfs)	222,020	
Service Spillway Type	uncontrolled	
Service Spillway Location	drop inlet	
Service Spillway Elevation (feet above MSL)	1,278	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	2 conduits 8x8 ft.	
Type of Gates	other	
Number of Gates	1	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	Gated outflows inlet 1272, 1257, 1250 ft	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	SY	
Year 2010 Yield (acre-feet)	175	
Year 2060 Yield (acre-feet)	150	
River Basin	Brazos	
Stream	Gonzales Creek	
County	Stephens	
Nearest town	Brenckenridge	
Distance from Nearest Town (miles)	7	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	32.6483	
Dam Central Longitude	-98.8683	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	2,100	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4214	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	11,400	
Priority Date(s)	04/26/1946	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Graham, Lake	
Impoundment Name		
Dam Name	Graham Dam	
Owner	City of Graham	
Contact Person	Larry M. Fields	
Telephone	940-549-3324	
Fax	940-549-5030	
Email	gramgr@wf.net	
Address	P.O. Box 1449 Graham, TX 76450	
Elevation of TOC (feet)	1,075.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	53,680	
Original Surface Area at TOC (acre)	2,550	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	45,302	
Last Survey Conservation Pool Capacity (acre-feet)	45,260	
Last Survey Dead Pool Volume (acre-feet)	42	
Last Survey Area at TOC (acres)	2,444	
Date of Last Survey	35886	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	221	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, other	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,093	
Dam Length (feet)	4,300	
Dam Height (feet)	82	
Top Width (feet)	20	
Comments Dam General	Eddleman Dam: Type Earthfill, Legnth 4,495 ft, Height 57ft, Top Width 20 ft, Top Elevation 1,093.3 ft	
Year(s) of Modifications	1958	

		Comments
Description of Modifications	Enlarged project that now incorporates Lake Eddleman	
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Left end of Dam	
Emergency Spillway Elevation (feet above MSL)	1076.3	
Emergency Spillway Length (feet)	1050	
Maximum Emergency Spillway Discharge Capacity (cfs)	0	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	0	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	Elevation from tower 1031.3, Crest Elevation - 1051.3	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	SY	
Year 2010 Yield (acre-feet)	4,400	
Year 2060 Yield (acre-feet)	3,650	
River Basin	Brazos	
Stream	Flint and Salt Creeks	
County	Young	
Nearest town	Graham	

		Comments
Distance from Nearest Town (miles)	2.2	
Direction from Nearest Town	NW	
Dam Central Latitude	33.1333	
Dam Central Longitude	-98.6168	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	20,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3458	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	52,386	
Priority Date(s)	11/21/1927, 11/15/1954	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

ALL info Correct

Graham

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer Freese and Nichols

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No

Thank you for your time!

		Comments
Name	Grapevine Lake	
Impoundment Name		
Dam Name	Grapevine Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	535.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	188,550	✓
Original Surface Area at TOC (acre)	6,892	7380
Original Dead Pool Volume (acre-feet)		830 at elev 475
Last Survey Conservation Pool Total Volume (acre-feet)	164,703	✓
Last Survey Conservation Pool Capacity (acre-feet)	147,042	✓
Last Survey Dead Pool Volume (acre-feet)	1	at elev 475
Last Survey Area at TOC (acres)	6,893	✓
Date of Last Survey	37378	May 2002
Last Survey Performed by		
Total Drainage Area (mile^2)	695	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	recreation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	588	✓
Dam Length (feet)	12,850	✓ including spillway
Dam Height (feet)	137	✓
Top Width (feet)	28	✓
Comments Dam General		
Year(s) of Modifications	1984, 1986	Embankment Modification, Spillway Modification
Description of Modifications		
Emergency Spillway Type	none	uncontrolled
Emergency Spillway Location	right of the dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	560	✓
Emergency Spillway Length (feet)	500 (Report 126); 560 (NID 2006)	500 ft,
Maximum Emergency Spillway Discharge Capacity (cfs)	182,500	✓
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	560	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	
Number of Gates	4	2 gates
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	broome type gates
Elevation of Outlet Works (feet above MSL)	Outlet 475.0 ft, low-flow outlet 500.5 ft	✓
Discharge Capacity of Outlet Works (cfs)		7240 cfs at Spillway crest
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)	250	2-30-inch steel pipes paralleling outlet works conduit; invert elevation; two at 500.5, one at 512.5 and one at 520.5 feet NAVD
Location of Reservoir Water Supply Outlets		Parallels outlet works conduit
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	18,000	
Year 2060 Yield (acre-feet)	14,500	
River Basin	Trinity	✓
Stream	Denton Creek	✓
County	Tarrant	✓
Nearest town	Grapevine	✓
Distance from Nearest Town (miles)	2	2.7

		Comments
Direction from Nearest Town	NE	✓
Dam Central Latitude	32.9667	✓
Dam Central Longitude	-97.05	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	161,250	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Domestic, Industrial	
Water Right or Application Number(s)	C2362, C2363, C2458	
Permit Number(s)		
Latest Amendment	2362A, 2363A, 2458C	
Authorized Impoundment	161,250	
Priority Date(s)	09/28/1951, 04/22/1974, 02/11/1946, 07/06/1948	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Hords Creek Lake	
Impoundment Name		
Dam Name	Hords Creek Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	1,900.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	8,640	✓
Original Surface Area at TOC (acre)	510	✓
Original Dead Pool Volume (acre-feet)		27
Last Survey Conservation Pool Total Volume (acre-feet)	5,684	8/12
Last Survey Conservation Pool Capacity (acre-feet)	5,684	8/12
Last Survey Dead Pool Volume (acre-feet)	n/a	3
Last Survey Area at TOC (acres)	510	504
Date of Last Survey	25112	October 1968
Last Survey Performed by		Corps of Engineers - Fort Worth District
Total Drainage Area (mile^2)	48	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	1,939	✓
Dam Length (feet)	6,800	✓ including spillway
Dam Height (feet)	91	✓
Top Width (feet)	24	✓
Comments Dam General		
Year(s) of Modifications	1985	
Description of Modifications		widen embankment
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location	center of dam	saddle on right bank of Hords Creek approximately 600 feet beyond southern end of the dam embankment

		Comments
Emergency Spillway Elevation (feet above MSL)	1920	✓
Emergency Spillway Length (feet)	500	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	61,700	60800 cfs at Maximum Design Water surface
Service Spillway Type	0	uncontrolled ogee weir
Service Spillway Location		center of dam
Service Spillway Elevation (feet above MSL)	1,920	1900
Service Spillway Length (feet)		4 ft X 19.5 ft
Maximum Service Spillway Discharge Capacity (cfs)		900 cfs at Maximum Design Water surface
Comments Service Spillway Information		
Type of Gates	slide(sluice)	✓
Number of Gates	2	✓
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	✓
Elevation of Outlet Works (feet above MSL)	1,856.0	✓
Discharge Capacity of Outlet Works (cfs)	105.0	uncontrolled ogee weir and 2 gates completely open 2260 cfs at top of flood control pool
Elevation of Water Supply Outlet (in Dam)	1,876.5	✓ lowest invert elev = 1876.5
Discharge Capacity of Water Supply Outlet in Dam (cfs)		24 inch diameter cast iron pipe; 5.5 cfs
Location of Reservoir Water Supply Outlets		Left abutment
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY-S	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)	0	
River Basin	Colorado	✓
Stream	Hords Creek	✓
County	Coleman	✓
Nearest town	Coleman	✓
Distance from Nearest Town (miles)	13	✓

		Comments
Direction from Nearest Town	W	✓
Dam Central Latitude	31.8347	✓
Dam Central Longitude	-99.56	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	2,240	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C1705	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	7,959	
Priority Date(s)	03/23/1946	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Houston Co. Lake
Houston Co. Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer LLOYD ENG. & FREESE, Nichols & Endress Fort Worth TX

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☐ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Houston County Lake	
Impoundment Name	n/a	
Dam Name	Houston County dam	
Owner	Houston Co WCID No 1	
Contact Person	~~John Chenette~~	Tex Terry
Telephone	936-544-3985	
Fax	936 545-2415	
Email	~~chenette@tuxcom.net~~	
Address	P.O. Box 1246 Crockett, TX 75835	
Elevation of TOC (feet)	260.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	19,500	
Original Surface Area at TOC (acre)	1,282	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	17,665	
Last Survey Conservation Pool Capacity (acre-feet)	17,113	
Last Survey Dead Pool Volume (acre-feet)	552	
Last Survey Area at TOC (acres)	1,330	
Date of Last Survey	36161	
Last Survey Performed by		
Total Drainage Area (mile^2)	44	
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	277	
Dam Length (feet)	1,250	
Dam Height (feet)	63	
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	265	
Emergency Spillway Length (feet)	500	
Maximum Emergency Spillway Discharge Capacity (cfs)	38,150	
Service Spillway Type	uncontrolled	
Service Spillway Location	left end of dam	
Service Spillway Elevation (feet above MSL)	260	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	Drop inlet and 7x7 ft conduit	
Type of Gates	none	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	234.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	3,500	
Year 2060 Yield (acre-feet)	3,500	
River Basin	Trinity	
Stream	Little Elkhart Creek	
County	Houston	
Nearest town	Crockett	
Distance from Nearest Town (miles)	10	

		Comments
Direction from Nearest Town	NW	
Dam Central Latitude	31.4067	
Dam Central Longitude	-95.6031	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	3,500	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5097	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	19,500	
Priority Date(s)	03/03/1965	
Hazard Classification	Low	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Iron Bridge Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

[X] Yes [ ] No [ ] Unknown

If so, what modifications were made and when?

Spillway anchoring 1990, 1st berm work 1985
2nd berm work 1988

May we contact the design engineer for additional information or for copies of the plans?

[X] Yes [ ] No [ ] Unknown

Design Engineer Jones & Boyd

Do you have any representative photographs which the Texas Water Development Board can have?

[X] Yes [ ] No

Can you furnish them in a digital format?

[X] Yes [ ] No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

[X] Yes [ ] No

Thank you for your time!

		Comments
Name	Tawakoni, Lake	
Impoundment Name		
Dam Name	Iron Bridge Dam	
Owner	Sabine River Authority of Texas	
Contact Person	Donnie Henson	
Telephone	409-746-2192	
Fax	409-746-3780	
Email	dhenson@sratx.org	
Address	P.O. Box 579 Orange, TX 77630	
Elevation of TOC (feet)	437.5	
Dead Pool Elevation (feet)		378.0
Original Conservation Pool Total Volume (acre-feet)	936,200	
Original Surface Area at TOC (acre)	37,879	36,700
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	888,140	
Last Survey Conservation Pool Capacity (acre-feet)	888,130	
Last Survey Dead Pool Volume (acre-feet)	14	
Last Survey Area at TOC (acres)	37,879	
Date of Last Survey	35490	April 8, 1997
Last Survey Performed by		TWDB - Hydrographic Survey Prog.
Total Drainage Area (mile^2)	756	
Contributing Drainage Area (mile^2)		
Main Purposes	municipal water supply	
Dam Type	earthfill	
Top of Dam Elevation (feet)	454	
Dam Length (feet)	29,560	
Dam Height (feet)	85	
Top Width (feet)	23.33	
Comments Dam General	earthfill with concrete spillway, legnth includes spillway	
Year(s) of Modifications	1988	1990, 1988, 1985
Description of Modifications		Spillway anchoring,2ndberm work, 1stbe
Emergency Spillway Type	uncontrolled	N/A
Emergency Spillway Location	near center of river	N/A

		Comments
Emergency Spillway Elevation (feet above MSL)	437.5	N/A
Emergency Spillway Length (feet)	480	N/A
Maximum Emergency Spillway Discharge Capacity (cfs)	131,500	N/A
Service Spillway Type	0	concrete ogee weir, uncontrolled
Service Spillway Location		1/2 mile south of river
Service Spillway Elevation (feet above MSL)	438	437.5
Service Spillway Length (feet)		480.0
Maximum Service Spillway Discharge Capacity (cfs)		50,000 CFS
Comments Service Spillway Information		N/A
Type of Gates	valve	N/A
Number of Gates	4	N/A
Maximum Gate Release Capacity (cfs)		N/A
Hydropower (Y/N)	N	N/A
No. of Hydropower Units		N/A
Generation Capacity (mW)		N/A
Type of Outlet Works	valve	1) 2-20"pipes 2) 2-4x6 sluice gates
Elevation of Outlet Works (feet above MSL)	1) 416.5 and 2) 378	
Discharge Capacity of Outlet Works (cfs)		1) 150 CFS 2) 2400 CFS
Elevation of Water Supply Outlet (in Dam)		N/A
Discharge Capacity of Water Supply Outlet in Dam (cfs)		N/A
Location of Reservoir Water Supply Outlets		N/A
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		N/A
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	229,807	
Year 2060 Yield (acre-feet)	221,240	
River Basin	Sabine	
Stream	Sabine River	
County	Hopkins, Rains, Wood	Rains, Van Zandt, Hunt
Nearest town	Wills Point	
Distance from Nearest Town (miles)	9 miles NE	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	32.81	
Dam Central Longitude	-95.9167	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	238,100	
Total Non Consumptive Use (Ac-Ft/Yr)		N/A
Type of Use, Non-Consumptive Diversion	0	N/A
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial	
Water Right or Application Number(s)	C4670	
Permit Number(s)		1792
Latest Amendment		May 2, 1988
Authorized Impoundment	927,440	
Priority Date(s)	09/12/1955, 08/13/1985, 05/21/1986	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

A GOVERNMENT AGENCY
OF THE
State of Texas

(409) 746-2192
FAX (409) 746-3780

SABINE RIVER AUTHORITY of Texas

P.O. BOX 579
ORANGE, TEXAS
77631

July 21, 2008

Ms. Janis Murphy, P.E.
Freese & Nichols, Inc.
4055 International Plaza, Suite 200
Fort Worth, TX 76109

Re: Lake Fork, Iron Bridge, and Toledo Bend Dams

Dear Ms. Murphy:

Attached please find completed data on the above-referenced dams for the "Texas Water Development Board Update of Data for Report 126" per your letter of June 3, 2008.

If you have any questions or need additional information, please advise.

Sincerely,

Donnie Henson
Operations Manager

DH:dkb

Attachments

xc: Butch Choate
Tom Pegues
Randy Traylor
Jim Washburn

		Comments
Name	Joe Pool Lake	
Impoundment Name	Joe Pool Lake	
Dam Name	Joe Pool Lake Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	522.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	176,900	✓
Original Surface Area at TOC (acre)	7,470	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	176,900	✓
Last Survey Conservation Pool Capacity (acre-feet)	176,900	✓
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	7,470	✓
Date of Last Survey	n/a	1985
Last Survey Performed by		Corps of Engineers - Fort Worth District
Total Drainage Area (mile^2)	232	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	recreation, fish / wildlife
Dam Type	earthfill	rolled earthfill
Top of Dam Elevation (feet)	565	564.5
Dam Length (feet)	24,200	24340
Dam Height (feet)	108	108.5 ft.
Top Width (feet)		30 ft
Comments Dam General	earth core dam	
Year(s) of Modifications	1989	1989, 2004
Description of Modifications		Embankment repair
Emergency Spillway Type	uncontrolled	uncontrolled limited service
Emergency Spillway Location		Embankment Station 100

		Comments
Emergency Spillway Elevation (feet above MSL)		541
Emergency Spillway Length (feet)	50	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	11,900	✓ at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	543	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	✓
Number of Gates	1	2
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	✓
Elevation of Outlet Works (feet above MSL)		466
Discharge Capacity of Outlet Works (cfs)		4000 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)	4820.5	
Discharge Capacity of Water Supply Outlet in Dam (cfs)	310	Low flow consist of four 3 ft X 5 ft inlets from lake to wet well controlled by a 2 ft x 4 ft service gate discharging into a 2 ft X 5 ft conduit with outfall in the outlet works conduit
Location of Reservoir Water Supply Outlets		Low flow located in outlet works Tower Empties into outlet works conduit
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	15,333	
Year 2060 Yield (acre-feet)	10,000	
River Basin	Trinity	✓
Stream	Mountain Creek	✓
County	Dallas	✓
Nearest town	Dallas	✓
Distance from Nearest Town (miles)	0	10 miles

		Comments
Direction from Nearest Town	SW	✓
Dam Central Latitude	32.645	✓
Dam Central Longitude	-96.9933	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	17,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3404	
Permit Number(s)		
Latest Amendment	D	
Authorized Impoundment	176,900	
Priority Date(s)	01/20/1976, 11/09/2004	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

			Comments
Name	Johnson Creek Reservoir		
Impoundment Name			Note - this is for our Wilkes Power Plant
Dam Name	Johnson Creek Dam		
			National Inventory # 3887
Owner	AEP-Southwestern Electric Power Company		
Contact Person	Greg Carter		
Telephone	318-673-3831		903-746-4585
Fax	318-673-2742		don't have one that I regularly use
Email	wgcarter@aep.com		
Address	P.O. Box 21106 Shreveport, LA 71156		2400 FM 3251 Hallsville, Texas 75650
Elevation □of TOC (feet)		280	
Dead Pool Elevation (feet)			
Original Conservation □Pool Total Volume (acre-feet)		10100	9600 at elev 280 per area capacity curve
Original Surface □Area at TOC (acre)		650	
Original Dead Pool Volume (acre-feet)			
Last Survey Conservation Pool Total Volume (acre-feet)		10100	this is in Cert of Adjudication
Last Survey Conservation Pool Capacity (acre-feet)		10100	
Last Survey Dead Pool Volume (acre-feet)	n/a		
Last Survey Area at TOC (acres)		650	at elev 280
Date of □Last Survey	n/a		
Last Survey Performed by			
Total Drainage □Area (mile2)		11	
Contributing Drainage □Area (mile2)			
Main Purposes	industrial		Industrial - steam electric
Dam Type	earthfill		
Top of Dam Elevation □(feet)		296	
Dam Length □(feet)		2530	
Dam Height□(feet)		60	
Top Width□(feet)		20	
			4 inch concrete slab on upstream face from elev 272 to 290
Comments Dam General			none
Year(s) of Modifications			
Description of Modifications			
Emergency Spillway Type	uncontrolled		
Emergency Spillway Location	near right end of Dam		right of dam
Emergency Spillway Elevation (feet above MSL)		286	326
Emergency Spillway Length (feet)	300 (Report 126); 380 (NID 2006)		300 ft wide and about 1400 ft long
			This source for information is not in our files - if F&N has the information in theirs, I would like to get a copy of it, and any other design basis for theis dam. We do have a Phase 1 inspection report that references the flows though both spillways as 14639
Maximum Emergency Spillway Discharge Capacity (cfs)		14639	cfs at 293.2 ft MSL
Service Spillway Type	uncontrolled		Morning glory (drop inlet)
Service Spillway Location	near center of dam		
Service Spillway Elevation (feet above MSL)		282	Spillway at 282 with a 2 ft H by 4 ft W notch at elev 280
Service Spillway Length (feet)			20 ft by 20 ft at mouth reduced to 7 ft by 7 ft ID in riser
			This information is not in our files - if F&N has the information in theirs, I would like to get a copy of it and any other design basis for theis dam.
Maximum Service Spillway Discharge Capacity (cfs)			
			314 ft from centerline of Morning glory to stilling basin. Conduit under dam is generally 7 ft wide by 7 ft tall.
Comments Service Spillway Information	Drop inlet, 20x20 ft.		none
Type of Gates	valve		
Number of Gates		3	0
Maximum Gate Release Capacity (cfs)			
Hydropower (Y/N)	N		
No. of Hydropower Units			

Generation Capacity (mW)			
Type of Outlet Works	valve		2 each 18 inch gate valves in 18 inch steel cylinder pipe
Elevation of Outlet Works (feet above MSL)			254.5
Discharge Capacity of Outlet Works (cfs)			unknown
Elevation of Water Supply Outlet (in Dam)			
Discharge Capacity of Water Supply Outlet in Dam (cfs)			
Location of Reservoir Water Supply Outlets			
On or Off Channel (ON/OFF)	OFF		On
Stream if Off-Channel	Lake O'pine		Johnson Creek
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY		
			Is this from TCEQ's WAM? Or F&N design? Please provide documentation to me.
Year 2010 Yield (acre-feet)		1785	
Year 2060 Yield (acre-feet)		1785	from DB07
River Basin	Cypress		
Stream	Johnson Creek		
County	Marion		
Nearest town	Avinger		Jefferson
Distance from□Nearest Town (miles)		4	13 miles
Direction from Nearest Town	S		NW
Dam □Central Latitude		32.8384	
Dam □Central Longitude		-94.5483	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)		6668	
Total Non Consumptive Use (Ac-Ft/Yr)			
Type of Use, Non-Consumptive Diversion		0	
Type of Use, Multiple Purpose Consumptive Diversion		0	
Water Right or Application Number(s)	C4588		COA 04-4588
Permit Number(s)			1963
Latest Amendment			B 10/27/1969
Authorized Impoundment		10100	
Priority Date(s)	05/04/1960		
Hazard Classification	High		

* Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct

		Comments
Name	Granger Lake	
Impoundment Name		
Dam Name	Laneport Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	504.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	65,500	✓
Original Surface Area at TOC (acre)	4,400	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	52,525	✓
Last Survey Conservation Pool Capacity (acre-feet)	52,525	✓
Last Survey Dead Pool Volume (acre-feet)	0	✓
Last Survey Area at TOC (acres)	4,064	✓
Date of Last Survey	37317	April 2002
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	709	730
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	
Top of Dam Elevation (feet)	555	✓
Dam Length (feet)	16,320	16190 including spillway
Dam Height (feet)	115 (Report 126), 114 (NID 2006)	114
Top Width (feet)	30	✓
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		right abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	528	✓
Emergency Spillway Length (feet)	950	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	342,330	✓ at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	none	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	Outlet 457ft; 486ft (low flow-discharges to flood contol conduit)	
Discharge Capacity of Outlet Works (cfs)		11700 cfs at Spillway crest
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)	200	
Location of Reservoir Water Supply Outlets		Low flow located in the outlet works Tower; Empties into outlet works conduit
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)	9,801	
River Basin	Brazos	✓
Stream	San Gabriel River	✓
County	Willamiamson	Williamson County
Nearest town	Taylor	✓
Distance from Nearest Town (miles)	10	✓

		Comments
Direction from Nearest Town	NE	✓
Dam Central Latitude	30.7033	✓
Dam Central Longitude	-97.3297	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	19,840	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right or Application Number(s)	C5163	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	65,500	
Priority Date(s)	02/12/1968	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Lavon Lake	
Impoundment Name		
Dam Name	Lavon Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	492.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	456,500	✓
Original Surface Area at TOC (acre)	21,400	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	456,526	✓
Last Survey Conservation Pool Capacity (acre-feet)	443,844	✓
Last Survey Dead Pool Volume (acre-feet)	12,682	✓
Last Survey Area at TOC (acres)	21,400	✓
Date of Last Survey	24016	1970
Last Survey Performed by		Corps of Engineers - Fort Worth District
Total Drainage Area (mile^2)	770	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	514	✓
Dam Length (feet)	19,493	✓ including spillway
Dam Height (feet)	81	✓
Top Width (feet)	30	✓
Comments Dam General		
Year(s) of Modifications	1970	
Description of Modifications	Embankment	and spillway
Emergency Spillway Type	controlled	tainter gates
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	475.5	✓
Emergency Spillway Length (feet)	480	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	357,700	✓
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	476	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	17	12
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	✓ Five gate controlled sluices thru Spillway pier
Elevation of Outlet Works (feet above MSL)	453.0	✓
Discharge Capacity of Outlet Works (cfs)		1200 cfs at top of flood control pool
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	104,000	
Year 2060 Yield (acre-feet)	104,000	
River Basin	Trinity	✓
Stream	East Fork trinity river	✓
County	Collin	✓
Nearest town	Wylie	✓
Distance from Nearest Town (miles)	3 miles E	3 miles NE

		Comments
Direction from Nearest Town	E	NE
Dam Central Latitude	33.033	✓
Dam Central Longitude	-96.469	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	177,300	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C2410	
Permit Number(s)		
Latest Amendment	E	
Authorized Impoundment	380,000	
Priority Date(s)	09/08/1953, 08/02/1965, 09/10/1985, 07/22/1983, 03/24/1994	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Enclosed information for Eastland County Water Supply District dam at Leon Reservoir on the Leon River:

TO: JANIS C. MURPHY

		Comments
Name	Leon, Lake	
Impoundment Name		
Dam Name	Leon Dam	
Owner	Eastland County Water Supply District	
Contact Person	W.G. Powell	
Telephone	254-647-1320	254-631-5814
Fax	254-647-1727	
Email	ecwsd@txol.net	
Address	P.O. Box 16 Ranger, TX 76470	
Elevation of TOC (feet)	1,375.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	27,290	
Original Surface Area at TOC (acre)	1,590	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	27,290	
Last Survey Conservation Pool Capacity (acre-feet)	26,421	
Last Survey Dead Pool Volume (acre-feet)	869	
Last Survey Area at TOC (acres)	1,590	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	252	
Contributing Drainage Area ($mile^2$)		
Main Purposes	municipal, industrial, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,398	
Dam Length (feet)	3,700	
Dam Height (feet)	90	
Top Width (feet)	20	
Comments Dam General	Jonathan Pi: 9585 in US	
Year(s) of Modifications	1987	
Description of Modifications		
Emergency Spillway Type	uncontrolled	

		Comments
Emergency Spillway Location	left of dam	North of Dam
Emergency Spillway Elevation (feet above MSL)	1382	1383 w/ FM 2461
Emergency Spillway Length (feet)	1200	
Maximum Emergency Spillway Discharge Capacity (cfs)	230,367	
Service Spillway Type	uncontrolled	
Service Spillway Location	near center of dam	
Service Spillway Elevation (feet above MSL)	1,375	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	Drop inlet, 34.5 ft diameter, discharge conduit 11 ft diameter.	
Type of Gates	other	
Number of Gates	1	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	1,335.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	5,945	
Year 2060 Yield (acre-feet)	5,870	
River Basin	Brazos	
Stream	Leon River	
County	Eastland	
Nearest town	Ranger	
Distance from Nearest Town (miles)	7 miles S	

		Comments
Direction from Nearest Town	S	
Dam Central Latitude	32.36	
Dam Central Longitude	-98.675	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	6,300	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3470	
Permit Number(s)		
Latest Amendment	B	
Authorized Impoundment	28,000	
Priority Date(s)	03/21/1952, 03/25/1986, 05/17/1931	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Lake Leon

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

1982 downstream slide repair, 1987 upstream slide repair, riprap repair
1989 downstream repair

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Ken Martin 325-695-1070

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☐ No

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No

Thank you for your time!

Upstream face slope is 2.75 : 1
Downstream face slope is 2.25 : 1

Lewis Creek Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?
THE LAST MAJOR MODIFICATION WAS MADE IN 1970 (AS-BUILTS DWG'S ISSUED 2/29/71). IT INVOLVED ADDING ADDITIONAL BERM NEAR THE TOE OF THE SLOPE WITH A HORIZONTAL SAND DRAIN. STARTING APPROX. 500 LF SOUTH OF SPILLWAY AND EXTENDING APPROX 1440 LF SOUTH.

May we contact the design engineer for additional information or for copies of the plans?
THE ORIGINAL DESIGN ENGINEER FROM BROWN + ROOT IS NO LONGER AVAILABLE,

☒ Yes ☒ No ☐ Unknown

Design Engineer YOU MAY CONTACT Jim Morrissey OF ENTERGY'S FOSSIL ENG. DEPT AT 409-981-2369

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?
FREESE & NICHOLS CAN USE THE ARIEAL PHOTOS SENT TO JANIS MURPHY ON 7/1/08

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☒ No

Thank you for your time!

To: Freese & Nichol's – Janis Murphy

From: Jim Morrissey – Entergy Fossil Eng. Dept (Beaumont, Tx)

		Comments
Name	Lewis Creek Reservoir	
Impoundment Name		
Dam Name	Lewis Creek Dam	(TX. LAKE # 10050)
Owner	Entergy	
Contact Person	~~Charlie Flynn~~	MANUEL MONTALVO
Telephone	936-856-0623 OFFICE	CELL # 936-520-9010
Fax	936-856-0644	
Email	cflynn@entergy.com	MMONTAL@ENTERGY.COM
Address	11191 Long Street Rd Willis, TX 77318	
Elevation of TOC (feet)	267.0	
Dead Pool Elevation (feet)		UNKOWN
Original Conservation Pool Total Volume (acre-feet)	16,400	
Original Surface Area at TOC (acre)	1,010	
Original Dead Pool Volume (acre-feet)		UNKNOWN – LEVEE WAS CONSTRUCTED FROM MATL. FROM INSIDE THE RESEVOIR.
Last Survey Conservation Pool Total Volume (acre-feet)	16,400	
Last Survey Conservation Pool Capacity (acre-feet)	16,400	
Last Survey Dead Pool Volume (acre-feet)	0	UNKNOWN / N./A.
Last Survey Area at TOC (acres)	1,010	
Date of Last Survey	n/a	
Last Survey Performed by		NOT KNOWN OR NONE
Total Drainage Area (mile^2)	4	4.4 SQ. MILES
Contributing Drainage Area (mile^2)		UNKNOWN – ~~Very~~ SMALL, BAICALLY PLANT PROPER + SMALL AREA LOCAL TO RESEVOIR.
Main Purposes	~~hydroelctric~~	CONDENSER COOLING WATER FOR POWER PLANT
Dam Type	earthfill	
Top of Dam Elevation (feet)	274	OK
Dam Length (feet)	12,836	OK
Dam Height (feet)	54 (Report 126); 62 (NID 2006)	60 FT AT 3RD + 4th GAGING WIERS
Top Width (feet)	18	18 FT AT CREST OF DAM.
Comments Dam General	Jonathan Pi: 10133 in USA	
Year(s) of Modifications		NONE
Description of Modifications		N.A.
Emergency Spillway Type	controlled	WE HAVE A SERVICE TYP SPILLWAY
Emergency Spillway Location	near left end of dam	≈ 2800 LF FROM LEFT END OF DAM

SERVICE

OR ≈ 300 LF ~~From~~ NORTH OF THE INTERSECTION OF CUDE CEMETARY ROAD & FM 1097

SERVICE

		Comments
Emergency Spillway Elevation (feet above MSL)	252	← CREST AT TAINTRR GATES
Emergency Spillway Length (feet)	50 (Report 126), 57 (NID 2006)	SERVICE SPILLWAY ↓
* Maximum Emergency Spillway Discharge Capacity (cfs)	11,232	16,300 cfs AT DESIGN HEAD FOR TOTAL SPILLWAY (2 GATES IN SERVICE)
Service Spillway Type	0	CONTROLLED
Service Spillway Location		≈ 2800 LF FROM LEFT END OF DAM
Service Spillway Elevation (feet above MSL)	267	TOP OF SPILLWAY ≈ 267' MSL CREST AT TAINTER GATES = 252' MSL
Service Spillway Length (feet)		57 FT WIDE AT SPILLWAY INTAKE
Maximum Service Spillway Discharge Capacity (cfs)		16,300 cfs
Comments Service Spillway Information		SERVICE SPILLWAY IS CONCRETE STRUCTURE
Type of Gates	tainter(radial)	OK (GATES ARE STEEL)
Number of Gates	2	OK - 25 FT WIDE X 19 FT HIGH
Maximum Gate Release Capacity (cfs)		16,300/2 = 8150 cfs PER GATE
Hydropower (Y/N)	N	
No. of Hydropower Units		0
Generation Capacity (mW)		0
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		N/A
Discharge Capacity of Outlet Works (cfs)		N.A.
Elevation of Water Supply Outlet (in Dam)		N.A
Discharge Capacity of Water Supply Outlet in Dam (cfs)		N.A
Location of Reservoir Water Supply Outlets		N.A.
		NO PENSTOCKS
On or Off Channel (ON/OFF)	Off	ON CHANNEL - LEWIS CREEK
Stream if Off-Channel	channel of Lake Conroe	SPILLWAY DISCHARGES TO LAKE CONROE
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	0	UNKNOWN
Year 2060 Yield (acre-feet)		UNKNOWN
River Basin	San Jacinto	
Stream	Lewis Creek	
County	Montgomery	
Nearest town	Willis	
Distance from Nearest Town (miles)	3 miles W	

COMMENT ON CHANNEL

LEWIS CREEK IS A TRIBUTARY OF THE WEST FORK OF THE SAN JACINTO RIVER. THE RESERVOIR HAS THE FOLLOWING CREEKS THAT FEED THE RESERVOIR.

1) HULON CREEK FROM ITS DAM ON EAST SIDE OF RESERVOIR
2) WHITE OAK CREEK
3) CAMP CREEK

		Comments
Direction from Nearest Town	W	
Dam Central Latitude	30.43	
Dam Central Longitude	-95.5433	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	5,000	
Total Non Consumptive Use (Ac-Ft/Yr)		WATER IS NOT FOR RESALE, ONLY USED FOR POWER PLANT COOLING PURPOSES
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4966	
Permit Number(s)		TX. LAKE # 10050
Latest Amendment		
Authorized Impoundment	17,000	
Priority Date(s)	08/08/1967	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

JANIS

IF YOU HAVE ANY QUESTIONS,
Please contact me at 409-790-3347 cell #
OR OFFICE # 409-981-2369

Jim Mooney
7/2/08

NOTE - THE LATEST DAM INSPECTION WAS DONE ON 6/12/08 BY URS-WASHINGTON DIVISION/ HOUSTON - POWER.

Freese
Nichols, Inc. Engineers Environmental Scientists Architects

4055 International Plaza, Suite 200 Fort Worth, Texas 76109 817 735-7300 817 735-7491 fax www.freese.com

June 3, 2008

Entergy
Charlie Flynn
11191 Long Street Rd
Willis, TX 77318

RE: Lewis Creek Dam

Dear Charlie Flynn:

On behalf of the Texas Water Development Board, Freese and Nichols, Inc., is collecting data for an update to the Texas Water Development Board's 1973 Report 126 "Dams and Reservoirs in Texas." You are receiving this letter as a result of your structure, Lewis Creek Dam, being on the list of reservoirs to be included for this update.

Information has been collected on your structure through various agencies such as the Texas Water Development Board (TWDB) and the Texas Commission on Environmental Quality (TCEQ). Included with this letter is a datasheet on all the information which has been collected on your structure. Please review this datasheet for any information which may not be correct, and fill in any information which we are currently missing. We have included a drawing which shows a typical dam section and a glossary of terms.

This information is being collected by the Texas Water Development Board and will be used only to update this report. The data will become the property of the Board.

If you have any questions or concerns about completing the attached datasheet please contact me at (817) 735-7345. Completed datasheets can be returned by mail to the address listed below, by Email to jcm@freese.com, or by fax at (817) 734-7491.

Freese and Nichols, Inc.
Janis Murphy, P.E.
4055 International Plaza, Suite 200
Ft. Worth, TX 76109

Sincerely,

Janis C. Murphy

Janis C. Murphy, P.E.

Attachments Lewis Creek Dam Datasheet

[TWD07387]T:\LET\Datasheet Cover Letter.doc

		Comments
Name	Lewisville Lake	
Impoundment Name		
Dam Name	Lewisville Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	522.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	640,986	✓
Original Surface Area at TOC (acre)	29,592	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	543,988	571926
Last Survey Conservation Pool Capacity (acre-feet)	543,988	571926
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	29,592	29170
Date of Last Survey	32813	1989
Last Survey Performed by		Turner Collie & Braden Inc.
Total Drainage Area (mile^2)	1,660	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation, fish/wildlife
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	560	✓
Dam Length (feet)	32,888	✓ including spillway
Dam Height (feet)	125	✓
Top Width (feet)	20	✓
Comments Dam General	legnth includes spillway	✓
Year(s) of Modifications	1979	
Description of Modifications		modified embankment, upstream berm
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location	Right end of dam	left abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	532	✓
Emergency Spillway Length (feet)	560	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	216,800	157120 cfs at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	broome-Type gates
Number of Gates	5	3
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	Y
No. of Hydropower Units		1
Generation Capacity (mW)		2128 kw
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	481.0 low-flow outlets, 448.0 floodwater outlets	Outlet Works invert elev. 448.0 Low Flow Outlet invert elev. 481.0
Discharge Capacity of Outlet Works (cfs)		111000 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)		Low flow consist of 2-5 ft diameter steel pipes, invert: 2 at 481.0, 1 at 496.0, 1 at 503.0
Discharge Capacity of Water Supply Outlet in Dam (cfs)		500 cfs
Location of Reservoir Water Supply Outlets		Low flow located in outlet works Tower,
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	7,702	
Year 2060 Yield (acre-feet)	6,730	
River Basin	Trinity	✓
Stream	Elm Fork Trinity River	✓
County	Denton	✓
Nearest town	Lewisville	✓
Distance from Nearest Town (miles)	2 miles NE	✓

		Comments
Direction from Nearest Town	NE	✓
Dam Central Latitude	33.0692	✓
Dam Central Longitude	-96.9633	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	608,400	
Total Non Consumptive Use (Ac-Ft/Yr)	451030	
Type of Use, Non-Consumptive Diversion	hydroelectric	
Type of Use, Multiple Purpose Consumptive Diversion	municipal, domestic	
Water Right or Application Number(s)	C2456, C2348	
Permit Number(s)		
Latest Amendment	2456F	
Authorized Impoundment	618,400	
Priority Date(s)	01/25/1924, 10/05/1948, 11/24/1948, 11/24/1975	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

ATTACHMENT 1

Trinity River Authority of Texas
Lake Livingston Dam
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

The following improvements, replacements, and repairs have been made to Lake Livingston Dam over the past few years:

Lake Livingston Dam Rehabilitation:

A construction contract was awarded in October 1999 and completed in 2001to rehabilitate portions of Lake Livingston Dam. Rehabilitation measures included the sandblasting and painting of the upstream and downstream sides of the 12 spillway tainter gates, spillway bridge, outlet tower bridge and all gate hoisting equipment. Additionally, the project included the replacement of all electrical control panels, feeders, conduits, motor control centers, lighting, and the emergency generator. The trunnion pins were replaced on the trunnion arms of all the tainter gates. A dual power supply, lightning protection and a control room that provides for remote operation of the gates were added to the facilities.

Design Engineer: TCB Inc., Houston, Texas

Downstream Tailwater Control Weir:

In 2001, major displacement of riprap in the spillway channel was discovered following flood releases in excess of 80,000 cfs during Tropical Storm Allison. It was determined that there has been a gradual lowering and widening of the river channel downstream of the dam caused by scouring and erosion during flood flows. Reduction in the streambed levels of 10 to 15 feet had resulted in a reduction in tailwater levels. At Livingston Dam a stilling basin was provided at the end of the spillway chute to dissipate the energy of the spillway discharges. The energy should be dissipated by the formation of a hydraulic jump within the concrete basin. Reductions in tailwater levels had resulted in the hydraulic jump moving out of the basin into the downstream channel. Also, flows were sweeping out of the chute at low to moderate flows because of the lack of adequate tailwater. The sweep-out and formation of jump downstream of the stilling basin caused severe scour and displacement of the protective riprap. A determination was made to raise the tailwater elevation sufficiently to maintain the hydraulic jump within the stilling basin.

Remedial measures necessary to re-establish the tailwater elevation included the construction of a spillway tailwater control weir approximately 200 feet downstream from the spillway chute. The weir was constructed by driving two

parallel sheet piling walls across the full width of the river channel, a distance of approximately 760 feet. The sheet piling was placed 20 feet apart and this 20-foot annular space was filled with concrete from El. 45.0 to El. 60.0. The sill elevation of the upstream sheet piling is at El. 63.0.

Construction of the tailwater control weir was initiated in the latter part of 2001. Due to the contractor's inability to complete the weir in a timely manner, the construction contract was terminated in the latter part of 2003. The project was re-bid In May 2004 and construction was completed by the end of 2004.

Design Engineers: TAMS Consultants, Inc., New York, New, York
Malcolm Pirnie, Inc., White Plains, New York

Upstream Slope Repairs:

As a direct result of strong wind and wave action created by Hurricane Rita in September 2005, Lake Livingston Dam sustained severe erosion of the upstream embankment protection as well as spot erosion of the underlying clay fill material on the upstream face of the dam. The 30-inch to 32-inch diameter riprap had absorbed the force and the brunt of the waves; however, energy from the powerful wave action and the relatively steep slope of the embankment resulted in approximately 80% of the riprap (11,000 linear feet along the dam) being pulled down the slope from El. 145.0 down to El. 127.0. This was discovered following an emergency drawdown of the lake to El. 127.0. The lake remained at this elevation until October 2006. From January 2006 until May 2006, a contractor placed 21,600 SY of geotextile fabric, 17,000 tons of 8-inch stone bedding and 76,500 tons of 32-inch rock riprap on the upstream slope of Livingston Dam. The roadway on the crest of the road was repaired with 18,000 SY of asphalt. This project was totally funded by a $7.8 million Public Assistance grant from FEMA.

Design Engineer: Malcolm Pirnie, Inc., White Plains, New York

Outlet Works Rehabilitation:

A construction contract was awarded in August 2007 for the rehabilitation of the Low Level Outlet intake tower and outlet conduit. The work will include fabrication and replacement of the 10-foot high by 8-foot wide sluice gate and two of the 5-foot high by 4-foot wide sluice gates. The two deeper 5-foot high by 4-foot wide gates will be taken out of service. The gate hoisting equipment will be replaced with gear operated actuators for the two small gates and a hydraulically operated actuator for the large gate. There will also be concrete repairs to the inside of the intake tower and outlet conduit.

Design Engineer: Malcolm Pirnie, Inc., White Plains, New York

		Comments
Name	Livingston, Lake	
Impoundment Name		
Dam Name	Livingston Dam	
Owner	Trinity River Authority	
Contact Person	Robert R. Stevens	
Telephone	936-295-5485	
Fax	936-295-9116	
Email	stevensr@trinityra.org	
Address	P.O. Box 1554 Huntsville, TX 77342	
Elevation of TOC (feet)	131.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	1,750,000	
Original Surface Area at TOC (acre)	~~82,600~~	83,000
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	1,741,867	
Last Survey Conservation Pool Capacity (acre-feet)	1,741,867	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	~~82,600~~	83,000
Date of Last Survey	n/a	December 1991
Last Survey Performed by		Bureau of Reclamation
Total Drainage Area (mile^2)	16,616	? 16,583 sq. mi. per USGS
Contributing Drainage Area (mile^2)		
Main Purposes	water supply	
Dam Type	earthfill	
Top of Dam Elevation (feet)	145	
Dam Length (feet)	14,400	
Dam Height (feet)	~~100~~	45' to 60', 90' in river channel
Top Width (feet)	24	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	~~controlled~~	No Emergency Spillway
Emergency Spillway Location	~~Right end of dam~~	

		Comments
Emergency Spillway Elevation (feet above MSL)	~~99~~	
Emergency Spillway Length (feet)	~~480~~	
Maximum Emergency Spillway Discharge Capacity (cfs)	~~673,209~~	
Service Spillway Type	0	Controlled
Service Spillway Location		Left end of dam
Service Spillway Elevation (feet above MSL)		99
Service Spillway Length (feet)		550
Maximum Service Spillway Discharge Capacity (cfs)		321,000 @ 131' MSL
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	~~13~~	12
Maximum Gate Release Capacity (cfs)		26,750 @ 131' MSL
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	58.0	
Discharge Capacity of Outlet Works (cfs)		3,650 @ 131' MSL
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	1,344,000	1,344,000 is the combined yield of
Year 2060 Yield (acre-feet)	1,344,000	L. Liv. & Wallisville Saltwater
River Basin	Trinity	Barrier.
Stream	Trinity River	
County	Polk, San Jacinto, Trinity, Walker	
Nearest town	Livingston	
Distance from Nearest Town (miles)	6 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	30.6333	
Dam Central Longitude	-95.0083	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	1,254,400	*(From Lake Livingston)*
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4248, C4261	
Permit Number(s)		
Latest Amendment	4248C	
Authorized Impoundment	1,750,000	
Priority Date(s)	09/23/1959	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Livingston

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

[X] Yes [ ] No [ ] Unknown

If so, what modifications were made and when?

See Attachment 1 that describes improvements, replacements and repairs over the past few years.

May we contact the design engineer for additional information or for copies of the plans?

[X] Yes [ ] No [ ] Unknown

Design Engineer See Attachment 1

Do you have any representative photographs which the Texas Water Development Board can have?

[X] Yes [ ] No

Can you furnish them in a digital format?

[X] Yes [ ] No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

[ ] Yes [ ] No N/A

Thank you for your time!

Loma alta Dam

Port of Brownsville

Fax

To:	Nicole Heinley	**From:**	Eduardo Campirano
Fax:	817-734-7491	**Fax:**	956-831-5006
Phone:	817-735-7345	**Phone:**	956-831-4592
Date:	6/24/2008	**Pages:**	1 of 5
Subject:	Brownsville Navigation District Loma Alta Dam		
Notes:	Attached you will find Update of Data for Report 126. Please feel free to contact me at 956-831-4592 for additional information.		

Lema Alva

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☐ No ☒ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☒ Unknown

Design Engineer SIGLER, CLARK & ASSOCIATES

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Loma Alta Lake	
Impoundment Name	None	
Dam Name	Loma Alta Dam	
Owner	Brownsville Navigation District	
Contact Person	Hecter Lopez	Eduardo A. Campirano
Telephone	956-831-4592	
Fax	956-831-6343	956-831-5006
Email		
Address	1000 Foust Rd Brownsville, TX 78521	
Elevation of TOC (feet)	17.5	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	26,500	
Original Surface Area at TOC (acre)	2,490	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	26,500	
Last Survey Conservation Pool Capacity (acre-feet)	26,500	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	2,490	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	0	
Contributing Drainage Area ($mile^2$)		
Main Purposes	Store water diverted from the Rio Grande (Permit 1838)	
Dam Type	earthfill	
Top of Dam Elevation (feet)		
Dam Length (feet)		
Dam Height (feet)	18	
Top Width (feet)	18	
Comments Dam General	earth dike	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	

		Comments
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	17.5	
Emergency Spillway Length (feet)	105	
Maximum Emergency Spillway Discharge Capacity (cfs)		
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	none	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	
Stream if Off-Channel	channel of Rio Grande	
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)		
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Nueces-Rio Grande Coastal	
Stream	Rancho Viejo Floodway	
County	Cameron	
Nearest town	Brownsville	
Distance from Nearest Town (miles)	8 miles NE	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	25.98	
Dam Central Longitude	-97.3861	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	0	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	0	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	26,500	
Priority Date(s)		
Hazard Classification	0	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Town Lake	LADY BIRD LAKE
Impoundment Name	Town Lake	LADY BIRD LAKE
Dam Name	Longhorn Dam	LONGHORN DAM
Owner	City of Austin AE	
Contact Person	Mike Lowe, P.E., LCRA	RANDY HARLOW, P.E., AE PUBLIC RELATIONS REP,
Telephone	512-499-2000	512-322-6213
Fax	512-972-0138	BASHEER MOHAMAD OR BOBBY GOSEY
Email		A.E. LAKE CONTROL & MAINTENANCE ISSUE
Address	P.O. Box 1088 Austin, TX 78767	512-505-7801 OR 505-7803
Elevation of TOC (feet)	TOP OF CREST ELEVATION 428.3	✓ NORMAL LEVEL
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	6,784	
Original Surface Area at TOC (acre)	477	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	6,248	
Last Survey Conservation Pool Capacity (acre-feet)	6,248	VOLUME METRIC SURVEY
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	477	✓
Date of Last Survey	LAST VOLUME METRIC SURVEY 36220	✓
Last Survey Performed by		
Total Drainage Area (mile^2)	0	
Contributing Drainage Area (mile^2)		
Main Purposes	municipal, recreation, cooling, irrigation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	460 Crest Elevation	
Dam Length (feet)	760	
Dam Height (feet)	65	
Top Width (feet)		
Comments Dam General	earthfill and gravity NID 2006, rock and soil foundation	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	434.6 ✓	
Emergency Spillway Length (feet)	500	
Maximum Emergency Spillway Discharge Capacity (cfs)	80,000 ✓	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	428	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	vertical lift	(7) VERTICAL LIFT GATES
Number of Gates	9	(2) BASCULES AUTOMATIC CONTROL GATES
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	0	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Colorado River	
County	Travis	
Nearest town	Austin	
Distance from Nearest Town (miles)	0 mile	

		Comments
Direction from Nearest Town		
Dam Central Latitude	30.25	
Dam Central Longitude	-97.7133	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	0	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5471	
Permit Number(s)		
Latest Amendment	C	
Authorized Impoundment	3,520	
Priority Date(s)	06/30/1913, 06/27/1914, 12/31/1928, 03/05/1959	
Hazard Classification	Significant	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Austin Energy Holly Street Power Station, 2401 Holly Street, Austin, Texas 78702

Date: 7/22/08
Number of pages including cover sheet: 4

FAX

To: Janis Murphy

Phone: 817-735-7300
Fax phone: 817-735-7491
CC:

From: Bobby Gosney

Phone: 512-505-7803
Cellular 512-633-4374
Dig. Pg.
Fax phone: (512) 505-7807

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

		Comments
Name	Lost Creek Reservoir	
Impoundment Name	Lost Creek Reservoir	
Dam Name	Lost Creek Dam	
Owner	City of Jacksboro	
Contact Person	Thomas Rhoades	
Telephone	940-567-6321	
Fax		
Email	jboro@wf.net	
Address	112 W. Belknap Jacksboro, TX 76458	
Elevation of TOC (feet)	1,008.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	11,961	
Original Surface Area at TOC (acre)	368	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	11,961	
Last Survey Conservation Pool Capacity (acre-feet)	11,961	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	368	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	29	
Contributing Drainage Area ($mile^2$)		
Main Purposes	flood control, water supply	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,029	
Dam Length (feet)	2,250	
Dam Height (feet)	99	
Top Width (feet)		
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)		
Emergency Spillway Length (feet)	1200	
Maximum Emergency Spillway Discharge Capacity (cfs)	0	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	0	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	0	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	1,440	
Year 2060 Yield (acre-feet)	1,440	
River Basin	Trinity	
Stream	Lost Creek	
County	Jack	
Nearest town	Jacksboro	
Distance from Nearest Town (miles)	3 miles NE	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	33.2433	
Dam Central Longitude	-98.1197	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	910	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3313, C3808	
Permit Number(s)		
Latest Amendment	3313A, 3808B	
Authorized Impoundment	11,961	
Priority Date(s)	03/18/1949, 11/15/1962, 04/25/1977	
Hazard Classification	Significant	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Lost Creek

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☐ No ☐ Unknown Building 1989

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer HDR Engineering

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

		Comments
Name	Travis, Lake	
Impoundment Name		
Dam Name	Mansfield Dam	
		See Bullet on p.
Owner	Lower Colorado River Authority	For future
Contact Person	Mike Lowe, P.E.	contact info
Telephone	512-473-4076	
Fax	512-473-3551	
Email	jkabir@lcra.org	
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	681.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	1,172,600	
Original Surface Area at TOC (acre)	18,622	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	1,132,172	
Last Survey Conservation Pool Capacity (acre-feet)	1,113,902	
Last Survey Dead Pool Volume (acre-feet)	18,270	
Last Survey Area at TOC (acres)	18,622	
Date of Last Survey	~~35431~~	
Last Survey Performed by		
Total Drainage Area (mile^2)	38,130	
Contributing Drainage Area (mile^2)	26,230	
Main Purposes	water supply, hydroelec, flood control	
Dam Type	concrete	
Top of Dam Elevation (feet)	750	
Dam Length (feet)	7,098	
Dam Height (feet)	266 (Report 126); 278 (NID 2006)	current published ht
Top Width (feet)	top width 20 ft, roadway width 28.5 ft	
Comments Dam General	concrete gravity, earth and rockfill	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	center of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	714.1	714 is crown of tables
Emergency Spillway Length (feet)	700	
Maximum Emergency Spillway Discharge Capacity (cfs)	572,000	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	714	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	
Number of Gates	25	
Maximum Gate Release Capacity (cfs)	5200 (one gate)	
Hydropower (Y/N)	Y	
No. of Hydropower Units	3	
Generation Capacity (mW)	85	Total
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	535.9	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	381,545	
Year 2060 Yield (acre-feet)	374,642	
River Basin	Colorado	
Stream	Colorado River	
County	Travis	
Nearest town	Austin	
Distance from Nearest Town (miles)	13 miles NW	

		Comments
Direction from Nearest Town	NW	
Dam Central Latitude	30.3917	
Dam Central Longitude	-97.9067	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	1,500,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right or Application Number(s)	C5482, P5730, P5677	
Permit Number(s)	5730, 5677	
Latest Amendment	5482C	
Authorized Impoundment	1,170,752	
Priority Date(s)	03/29/1926, 03/07/1938, 02/02/2000	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Marble Falls, Lake	
Impoundment Name		
Dam Name	Max Starcke Dam	
		See Buchanan for latest contact info
Owner	Lower Colorado River Authority	
Contact Person	Mike ~~Lowe, P.E.~~	
Telephone	512-~~473-4076~~	
Fax	512-473-3551	
Email	jkabir@lcra.org	
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	738.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	8,760	
Original Surface Area at TOC (acre)	780	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	6,420	
Last Survey Conservation Pool Capacity (acre-feet)	6,420	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	780	
Date of Last Survey	35431	
Last Survey Performed by		
Total Drainage Area (mile^2)	36,325	
Contributing Drainage Area (mile^2)		
Main Purposes	hydroelec	
Dam Type	gravity	
Top of Dam Elevation (feet)	766	
Dam Length (feet)	860	
Dam Height (feet)	98.8 (Report 126); ~~99 (NID 2006)~~	what's the difference? (1)
Top Width (feet)		
Comments Dam General	concrete with ~~roof~~ weir gates. 98.8 ft to top of control piers, length includes the powerhouse	over the falls
Year(s) of Modifications	1995	
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	725	
Emergency Spillway Length (feet)	608.3	channel capacity
Maximum Emergency Spillway Discharge Capacity (cfs)	~~channel cap.~~ 421,000	spwy is drowned out in Extreme Flood events
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	728	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	ringed crest (roll) gate
Number of Gates	~~12~~ 10	
Maximum Gate Release Capacity (cfs)	104,000 or (+)	
Hydropower (Y/N)	Y	
No. of Hydropower Units	2	
Generation Capacity (mW)	~~15~~ 30	TOTAL
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Colorado River	
County	Burnet	
Nearest town	Marble Falls	
Distance from Nearest Town (miles)	0 mile SE	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	30.5567	
Dam Central Longitude	-98.2567	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	567	
Total Non Consumptive Use (Ac-Ft/Yr)	1811820	
Type of Use, Non-Consumptive Diversion	hydroelectric	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C2632	
Permit Number(s)		
Latest Amendment	B	
Authorized Impoundment	8,760	
Priority Date(s)	04/04/1895, 03/27/1905, 03/29/1926	
Hazard Classification	Significant	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Millers Creek Reservoir	
Impoundment Name	N/A	
Dam Name	Millers Creek Dam	
Owner	North Cent Tex MWA Et Al	
Contact Person	David Kuehler	
Telephone	940-422-4051	
Fax	940-422-4385	
Email	nctmwa@knoxcity.net	
Address	P.O. Box 36 Munday, TX 76371	
Elevation of TOC (feet)	1,334.5	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	25,520	
Original Surface Area at TOC (acre)	2,212	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	29,171	
Last Survey Conservation Pool Capacity (acre-feet)	27,888	
Last Survey Dead Pool Volume (acre-feet)	1,283	
Last Survey Area at TOC (acres)	2,268	
Date of Last Survey	34029	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	228	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,355	
Dam Length (feet)	9,250	
Dam Height (feet)	75	
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	upstream from left end of dam	
Emergency Spillway Elevation (feet above MSL)	1340	

		Comments
Emergency Spillway Length (feet)	3000	
Maximum Emergency Spillway Discharge Capacity (cfs)	375,000	
Service Spillway Type	uncontrolled	
Service Spillway Location	near right end of the dam	
Service Spillway Elevation (feet above MSL)	1,331	1334.50
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	uncontrolled drop inlet, concrete conduit, 5x5 ft	
Type of Gates	valve	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	1,305.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	SY	
Year 2010 Yield (acre-feet)	583	
Year 2060 Yield (acre-feet)	0	
River Basin	Brazos	
Stream	Millers Creek	
County	Baylor & Throckmorton (Reservoir)	
Nearest town	Goree	
Distance from Nearest Town (miles)	9 miles SE	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	33.4221	
Dam Central Longitude	-99.3683	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	5,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3444	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	30,696	
Priority Date(s)	10/01/1958	
Hazard Classification	Significant	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Millers Creek

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Freese & Nichols

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

Texas Water Development Board
Update of Data for Report 126

Mineral Wells Dam

Has your structure had any significant modifications since 1970?

[X] Yes [ ] No [ ] Unknown

If so, what modifications were made and when?

1972 Free Overfall Secondary Spillway / 1975 Primary Spillway Discharge Apron/

May we contact the design engineer for additional information or for copies of the plans?

[ ] Yes [ ] No [X] Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

[X] Yes [ ] No

Can you furnish them in a digital format?

[X] Yes [ ] No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

[X] Yes [ ] No

Thank you for your time!

		Comments
Name	Mineral Wells, Lake	
Impoundment Name		
Dam Name	Mineral Wells Dam	
Owner	City of Mineral Wells	
Contact Person	Lance Howerton	
Telephone	940-328-7703	
Fax		
Email	cityofmw@mesh.net	
Address	P.O. Box 460 Mineral Wells, TX 76068	
Elevation of TOC (feet)	863.4	
Dead Pool Elevation (feet)		~~859~~
Original Conservation Pool Total Volume (acre-feet)	6,760	
Original Surface Area at TOC (acre)	646	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	7,065	
Last Survey Conservation Pool Capacity (acre-feet)	7,065	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	646	
Date of Last Survey	33808	
Last Survey Performed by		
Total Drainage Area (mile^2)	~~640~~	63.3
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation (feet)	863	873.9
Dam Length (feet)	1,760	1,650
Dam Height (feet)	73.9 (Report 126), 70 (NID 2006)	
Top Width (feet)		20
Comments Dam General		
Year(s) of Modifications	1943	1921, 1972, 1975, 1993
Description of Modifications	Enlargement	1921 Raised Spillway, 1972 Free Overfall Secondary Spillway, 1975 Primary Spillway Discharge Apron, 1993 State of Texas DOT Roadway Replacement
Primary Spillway Type	uncontrolled	
Primary Spillway Location		Left side of the Dam on the East end.

		Comments
Primary Spillway Elevation (feet above MSL)	863.4	
Primary Spillway Length (feet)	932 (Report 126); 1145 (NID 20060	
Maximum Emergency Spillway Discharge Capacity (cfs)	122,427	
Spillway Type	Uncontrolled	
Secondary Spillway Location		
Secondary Spillway Elevation (feet above MSL)	~~863~~	848
Secondary Spillway Length (feet)		252
Maximum Secondary Spillway Discharge Capacity (cfs)		
Comments Spillway Information		
Type of Gates	slide(sluice)	
Number of Gates	1	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		806
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	2,505	
Year 2060 Yield (acre-feet)	2,430	
River Basin	Brazos	
Stream	Rock Creek	
County	Parker	
Nearest town	Mineral Wells	
Distance from Nearest Town (miles)	4 miles E	

		Comments
Direction from Nearest Town	E	
Dam Central Latitude	32.8164	
Dam Central Longitude	-98.0417	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	2,520	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4039	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	7,065	
Priority Date(s)	11/15/1920, 03/22/1943	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

BRA Edits

Name	Possum Kingdom Lake	
Other Name(s)		
Impoundment Name		
Dam Name	Morris Sheppard Dam	
Name Source		
Name Comments		
In Report 126? (Y or N)	Y	
Updated Since Report 126? (Y or N)		
Design Engineer	Ambursen Engineering Company	
Construction Contractor	C.F. Lytle and A.L. Johnson	
Construction Cost	$7,000,000	
Modification Engineer	Freese and Nichols, Inc.	
Modification Contractor	ballast - ASI-RCC Inc stilling basin - Martin K Eby	
Modification Cost	ballast - $6,729,000 stilling basin - $3,515,383	
Construction Source	NID 2006, Report 126	
Construction Comments		
Owner	Brazos River Authority	
Contact Person	~~Terry Lopas~~	Phil Ford
Telephone	~~254-761-3181~~	254-761-3100
Fax	254-761-3205	
Email	~~tlopas@brazos.org~~	pford@brazos.org
Address	P.O. Box 7555 Waco, TX 76714-7555	
Contact Source		
Contact Comments		
Elevation of TOC (feet)	1000	
Dead Pool Elevation (feet)		
Datum		
Original Conservation Pool Total Volume (acre-feet)	~~724464~~	724,739
Original Surface Area at TOC (acre)	19800	
Original Dead Pool Volume (acre-feet)		
Year Construction Started	May 29, 1938	
Year of Completion	1941	
Year Impoundment Began	March 21, 1941	
Source Original Information	Report 126	
Comments Original Information	JJR: Spillway Crest: el. 987.0 ft, capacity 504,100 ac-ft, area 14440 acres; Invert of penstock: el. 911.5 ft, capacity 25,810 ac-ft, area 1,500 acres; ~~Invert of 54-inch outlet el. 874.8 ft, capacity 236 ac-ft, area 60 acres~~; Usable Conservation Storage 724,464 ac-ft. Power generation began April 17, 1941.	54-inch outlet has been concreted-in
Last Survey Conservation Pool Total Volume (acre-feet)	540340	
Last Survey Conservation Pool Capacity (acre-feet)	540340	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	16716	
Date of Last Survey	Dec 2004-Jan 2005	
Last Survey Performed by	TWDB	
Source Last Survey	Volumetric Survey of Possum Kingdom Lake, 2006	
Comments Last Survey		
Other Surveys		
Source Other Surveys		
Modification(s) to Conservation Storage		
Total Drainage Area (mile^2)	23596	
Contributing Drainage Area (mile^2)	14030	
Source Drainage Area	NID 2006	
Comments Drainage Area		
Main Purposes	water supply, hydroelectric,irrigation, Mining, Industrial	
Dam Type	~~concrete~~.	Concrete slab-and-buttress (ie Ambursen type)
Top of Dam Elevation (feet)	1024	
Dam Length (feet)	2740	
Dam Height (feet)	189 (Report 126); 188.5 (NID 2006)	
Top Width (feet)	14.8	
Source Dam General	NID 2006, Report 126	
Comments Dam General	Ambursen-type, buttress with flat-slab deck and an earthen dike.	
Year(s) of Modifications	1994	
Description of Modifications		addition of emergency spillway
Source Modifications	NID 2006	
Comments Modifications		

PK

1/3

Emergency Spillway Type	none	Uncontrolled	
Emergency Spillway Location		right side of dam facing downstream	
Emergency Spillway Elevation (feet above MSL)		1,000	
Emergency Spillway Length (feet)		1,400	
Maximum Emergency Spillway Discharge Capacity (cfs)		473,000 (using PMF study at WSEL 1024 ft)	
Source Emergency Spillway Information			
Comments Emergency Spillway Information			
Service Spillway Type	controlled		
Service Spillway Location	center of dam		
Service Spillway Elevation (feet above MSL)	987		
Service Spillway Length (feet)	729	707	
Maximum Service Spillway Discharge Capacity (cfs)	51500	500,600 (using PMF study at WSEL 1024 ft)	
Source Service Spillway Information	NID 2006, Report 126		
Comments Service Spillway Information	gated controlled ogee weir, 9 foot-weir gates, each 73.66x13ft		
Type of Gates	~~other~~	Roof-weir gates (Bear trap gates)	
Number of Gates	9		
Maximum Gate Release Capacity (cfs)		500,600 (using PMF study at WSEL 1024 ft)	
Source Gates	NID 2006		
Comments Gates	roof-weir gates		
Hydropower (Y/N)	Y		
No. of Hydropower Units	2		
Generation Capacity (mW)	~~11.25~~	12.00	
Source Hydropower	NID 2006		
Comments Hydropower			
Type of Outlet Works	~~valve~~	Hydropower release and sluice gates in regulating piers	
Elevation of Outlet Works (feet above MSL)	~~874.8~~	Regulating pier outlets 974.5-ft	
Discharge Capacity of Outlet Works (cfs)		Each regulating pier 99-cfs; 198-cfs total (at 999 ft above msl)	
Elevation of Water Supply Outlet (in Dam)			
Discharge Capacity of Water Supply Outlet in Dam (cfs)		see above	
Source Outlets	Report 126		
Comments Outlets	~~1 conduit, 54 inch diameter. Normal discharge is from turbine o~~	Normal discharge is from hydro turbines; also two - 24-inch sluice gates and outlet pipes.	
Location of Reservoir Water Supply Outlets		Outlet pipes in regulating piers 8 and 14	
Source Water Supply Locations			
Comments Water Supply Locations			
On or Off Channel (ON/OFF)	on		
Stream if Off-Channel			
Yield Type (FY,SY,Other)	FY		
Year 2010 Yield (acre-feet)	230750	287,030	
Year 2060 Yield (acre-feet)	230750	237,650	
Source Yield	~~DB07~~	Brazos River Authority	
Comments Yield			
River Basin	Brazos		
Stream	Brazos River		
County	Palo Pinto		
Nearest town	Graham		
Distance from Nearest Town (miles)	18 Miles SE		
Direction from Nearest Town	SE		
Source Location	Report 126, Verified using Google Maps		
Comments Location			
Water Planning Region	G	Brazos G	
Dam Central Latitude	32.8711		
Dam Central Longitude	-98.4261		
Source Lat/Long	NID 2006, Google Earth		
Upstream USGS Gauge Number(s)	08088000		
Upstream USGS Gauge Name(s)	Brazos River near South Bend, Tex.		
Down Stream USGS Gauge Number(s)	08088610		
Down Stream USGS Gauge Names(s)	Brazos River near Graford, Tex.		
Reservoir USGS Gauge Number	08088500		

PK

2/3

Reservoir USGS Gauge Name	Possum Kingdom Lake near Graford, Tex.
Source USGS Gauge Data	1999 Index of Stations
Comments USGS Gauge Data	
Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)	230750
Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)	
Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)	
Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)	
Authorized Mining Consumptive Diversion (Ac-Ft/Yr)	
Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)	
Authorized Other Consumptive Diversion (Ac-Ft/Yr)	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	230750
Total Non Consumptive Use (Ac-Ft/Yr)	
Type of Use, Non-Consumptive Diversion	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining
Water Right Type (CA or P)	CA
Water Right or Application Number(s)	C5155 CA 12-5155
Permit Number(s)	
Latest Amendment	
Authorized Impoundment	724739
Priority Date(s)	04/06/1938, 11/07/1986
Source Water Rights Information	TCEQ Database
Comments Water Rights Information	
WAM Reservoir ID	POSDOM
WAM Control Point ID for Dam	515531
Other Associated WAM Control Point IDs	
Hazard Rating	High

PK
3/3

Morris Sheppard Dam (Lake Possum Kingdom)

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

Dam Stabilization; Added Spillway Bridge; Added Emergency Spillway; Added Stilling Basin

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Freese Nichols

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Only if FNI cannot provide.

Can you furnish them in a digital format?

☐ Yes ☒ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

Brazos River Authority

QUALITY • CONSERVATION • SERVICE

July 17, 2008

Janis C. Murphy, PE
Freese and Nichols, Inc.
4055 International Plaza, Ste 200
Fort Worth, TX 76109

Re: De Cordova Bend Dam
Sterling C. Robertson Dam
Morris Sheppard Dam
Update to TWDB Report 126

Dear Ms. Murphy:

I am in receipt of your June 3, 2008 letter to Terry Lopas regarding DeCordova Bend Dam, Sterling C. Robertson Dam, and Morris Sheppard Dam. BRA has reviewed and updated where appropriate the information on the data tables for inclusion in the update of TWDB Report 126. Mitch Sodek in my office called and received from you the spreadsheet versions of the data tables from you and I am transmitting the edited tables back to you. Also enclosed for each of the three dams are the questionnaires regarding significant modifications.

I'm pleased that you are updating Report 126 – that has been a favorite reference of mine over the years. If you have any comments or questions on the information we're sending you, please call or email. My email address is dwheelock@brazos.org.

Very truly yours,

BRAZOS RIVER AUTHORITY

David C. Wheelock, PE
Water Services Manager

attachments

4600 Cobbs Drive • P.O. Box 7555 • Waco, Texas 76714-7555
254-761-3100 • FAX 254-761-3202

		BRA Edits
Name	Possum Kingdom Lake	
Other Name(s)		
Impoundment Name		
Dam Name	Morris Sheppard Dam	
Name Source		
Name Comments		
In Report 126? (Y or N)	Y	
Updated Since Report 126? (Y or N)		
Design Engineer	Ambursen Engineering Company	
Construction Contractor	C.F. Lytle and A.L. Johnson	
Construction Cost	$7,000,000	
Modification Engineer	Freese and Nichols, Inc.	
Modification Contractor	ballast - ASI-RCC Inc stilling basin - Martin K Eby	
Modification Cost	ballast - $6,729,000 stilling basin - $3,515,383	
Construction Source	NID 2006, Report 126	
Construction Comments		
Owner	Brazos River Authority	
Contact Person	~~Terry Lopas~~	Phil Ford
Telephone	~~254-761-3181~~	254-761-3100
Fax	254-761-3205	
Email	~~tlopas@brazos.org~~	pford@brazos.org
Address	P.O. Box 7555 Waco, TX 76714-7555	
Contact Source		
Contact Comments		
Elevation of TOC (feet)	1000	
Dead Pool Elevation (feet)		
Datum		
Original Conservation Pool Total Volume (acre-feet)	~~724464~~	724,739
Original Surface Area at TOC (acre)	19800	
Original Dead Pool Volume (acre-feet)		
Year Construction Started	May 29, 1938	
Year of Completion	1941	
Year Impoundment Began	March 21, 1941	
Source Original Information	Report 126	
Comments Original Information	JJR: Spillway Crest: el. 987.0 ft, capacity 504,100 ac-ft, area 14440 acres; Invert of penstock: el. 911.5 ft, capacity 25,810 ac-ft, area 1,500 acres; ~~Invert of 54-inch outlet el. 874.8 ft, capacity 236 ac-ft, area 60 acres~~; Usable Conservation Storage 724,464 ac-ft. Power generation began April 17, 1941.	54-inch outlet has been concreted-in
Last Survey Conservation Pool Total Volume (acre-feet)	540340	
Last Survey Conservation Pool Capacity (acre-feet)	540340	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	16716	
Date of Last Survey	Dec 2004-Jan 2005	
Last Survey Performed by	TWDB	

Source Last Survey	Volumetric Survey of Possum Kingdom Lake, 2006	
Comments Last Survey		
Other Surveys		
Source Other Surveys		
Modification(s) to Conservation Storage		
Total Drainage Area (mile^2)	23596	
Contributing Drainage Area (mile^2)	14030	
Source Drainage Area	NID 2006	
Comments Drainage Area		
Main Purposes	water supply, hydroelectric,irrigation, Mining, Industrial	
Dam Type	~~concrete~~	Concrete slab-and-buttress (ie Ambursen type)
Top of Dam Elevation (feet)	1024	
Dam Length (feet)	2740	
Dam Height (feet)	189 (Report 126); 188.5 (NID 2006)	
Top Width (feet)	14.8	
Source Dam General	NID 2006, Report 126	
Comments Dam General	Ambursen-type, buttress with flat-slab deck and an earthen dike.	
Year(s) of Modifications	1994	
Description of Modifications		addition of emergency spillway
Source Modifications	NID 2006	
Comments Modifications		
Emergency Spillway Type	none	Uncontrolled
Emergency Spillway Location		right side of dam facing downstream
Emergency Spillway Elevation (feet above MSL)		1,000
Emergency Spillway Length (feet)		1,400
Maximum Emergency Spillway Discharge Capacity (cfs)		473,000 (using PMF study at WSEL 1024 ft)
Source Emergency Spillway Information		
Comments Emergency Spillway Information		
Service Spillway Type	controlled	
Service Spillway Location	center of dam	
Service Spillway Elevation (feet above MSL)	987	
Service Spillway Length (feet)	729	707
Maximum Service Spillway Discharge Capacity (cfs)	51500	500,600 (using PMF study at WSEL 1024 ft)
Source Service Spillway Information	NID 2006, Report 126	
Comments Service Spillway Information	gated controlled ogee weir, 9 foot-weir gates, each 73.66x13ft	
Type of Gates	~~other~~	Roof-weir gates (Bear trap gates)
Number of Gates	9	
Maximum Gate Release Capacity (cfs)		500,600 (using PMF study at WSEL 1024 ft)
Source Gates	NID 2006	

Comments Gates	roof-weir gates	
Hydropower (Y/N)	Y	
No. of Hydropower Units	2	
Generation Capacity (mW)	~~11.25~~	12.00
Source Hydropower	NID 2006	
Comments Hydropower		
Type of Outlet Works	~~valve~~	Hydropower release and sluice gates in regulating piers
Elevation of Outlet Works (feet above MSL)	~~874.8~~	Regulating pier outlets 974.5-ft
Discharge Capacity of Outlet Works (cfs)		Each regulating pier 99-cfs; 198-cfs total (at 999 ft above msl)
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		see above
Source Outlets	Report 126	
Comments Outlets	~~1 conduit, 54 inch diameter. Normal discharge is from turbine op~~	Normal discharge is from hydro turbines; also two - 24-inch sluice gates and outlet pipes.
Location of Reservoir Water Supply Outlets		Outlet pipes in regulating piers 8 and 14
Source Water Supply Locations		
Comments Water Supply Locations		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY,SY,Other)	FY	
Year 2010 Yield (acre-feet)	230750	287,030
Year 2060 Yield (acre-feet)	230750	237,650
Source Yield	~~DB07~~	Brazos River Authority
Comments Yield		
River Basin	Brazos	
Stream	Brazos River	
County	Palo Pinto	
Nearest town	Graham	
Distance from Nearest Town (miles)	18 Miles SE	
Direction from Nearest Town	SE	
Source Location	Report 126, Verified using Google Maps	
Comments Location		
Water Planning Region	G	Brazos G
Dam Central Latitude	32.8711	
Dam Central Longitude	-98.4261	
Source Lat/Long	NID 2006, Google Earth	
Upstream USGS Gauge Number(s)	08088000	
Upstream USGS Gauge Name(s)	Brazos River near South Bend, Tex.	
Down Stream USGS Gauge Number(s)	08088610	
Down Stream USGS Gauge Names(s)	Brazos River near Graford, Tex.	
Reservoir USGS Gauge Number	08088500	
Reservoir USGS Gauge Name	Possum Kingdom Lake near Graford, Tex.	

Source USGS Gauge Data	1999 Index of Stations	
Comments USGS Gauge Data		
Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)	230750	
Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)		
Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)		
Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)		
Authorized Mining Consumptive Diversion (Ac-Ft/Yr)		
Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)		
Authorized Other Consumptive Diversion (Ac-Ft/Yr)		
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	230750	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion		
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right Type (CA or P)	CA	
Water Right or Application Number(s)	C5155	CA 12-5155
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	724739	
Priority Date(s)	04/06/1938, 11/07/1986	
Source Water Rights Information	TCEQ Database	
Comments Water Rights Information		
WAM Reservoir ID	POSDOM	
WAM Control Point ID for Dam	515531	
Other Associated WAM Control Point IDs		
Hazard Rating	High	

Mountain Creek

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☒ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Mountain Creek Lake	
Impoundment Name		
Dam Name	Mountain Creek Dam	
Owner	Exelon Generation	
Contact Person	Randy Tipton	
Telephone	214-623-1018	
Fax	214-623-1096	
Email	randy.tipton@exeloncorp.com	
Address	2233A Mt Creek Parkway Dallas, TX 75211	
Elevation of TOC (feet)	457.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	22,840	
Original Surface Area at TOC (acre)	2,710	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	22,840	
Last Survey Conservation Pool Capacity (acre-feet)	22,840	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	2,710	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	295	
Contributing Drainage Area (mile^2)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation (feet)	467	
Dam Length (feet)	8,200	
Dam Height (feet)	47	
Top Width (feet)	16	
Comments Dam General		
Year(s) of Modifications	1999	No modifications have been made since 1953 when flashboard were added
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location	center of Dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	431	
Emergency Spillway Length (feet)	204	
Maximum Emergency Spillway Discharge Capacity (cfs)	135,274	
Service Spillway Type	0	concrete
Service Spillway Location		Dallas
Service Spillway Elevation (feet above MSL)	431	
Service Spillway Length (feet)		249
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	6	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		None
Generation Capacity (mW)		N/A
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	6,400	
Year 2060 Yield (acre-feet)	6,400	
River Basin	Trinity	
Stream	Mountain Creek	
County	Dallas	
Nearest town	Grand Prairie	
Distance from Nearest Town (miles)	4 miles SE	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	32.7317	
Dam Central Longitude	-96.9433	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	6,400	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	? zero not correct
Type of Use, Multiple Purpose Consumptive Diversion	0	? zero not correct
Water Right or Application Number(s)	C3408	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	22,840	
Priority Date(s)	03/12/1929	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Murvaul, Lake	
Impoundment Name	Murvaul Bayou Reservoir	
Dam Name	Murvaul Dam	
Owner	Panola County Fresh Water SD #1	
Contact Person	Harry Smith	WADE KIRK
Telephone	903-693-3028	903-693-6562
Fax	same as phone so call first to inform	SAME.
Email	hsmith1605@aol.com	WadeKirkC@gmail.com
Address	154 CR 1839 Carthage, TX 75633	
Elevation of TOC (feet)	265.3	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	44,650	
Original Surface Area at TOC (acre)	3,397	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	38,284	
Last Survey Conservation Pool Capacity (acre-feet)	38,284	
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	3,529	
Date of Last Survey	36100	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	115	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	280	
Dam Length (feet)	8,300	
Dam Height (feet)	46	
Top Width (feet)	10	
Comments Dam General	soil foundation, earth core	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	
Emergency Spillway Elevation (feet above MSL)	265.3	

		Comments
Emergency Spillway Length (feet)	270	
Maximum Emergency Spillway Discharge Capacity (cfs)	0	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	265	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	valve	
Number of Gates	1	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	235.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	21,792	
Year 2060 Yield (acre-feet)	18,850	
River Basin	Sabine	
Stream	Murvaul Bayou	
County	Panola	
Nearest town	Carthage	
Distance from Nearest Town (miles)	10 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	32.0333	
Dam Central Longitude	-94.42	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	22,400	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4654	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	44,650	
Priority Date(s)	07/19/1956	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Murvaul

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

NEW RIP RAP in 2006

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer KSA

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

Naswarthy

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☐ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Nasworthy, Lake	
Impoundment Name		
Dam Name	Nasworthy Dam	
Owner	City of San Angelo	
Contact Person	W.H. Wilde	
Telephone	~~915-657-4206~~	325-657-4204
Fax	~~915~~-655-6397	325-655-6395
Email	~~wwilde@wcc.net~~	will.wilde@SanAngeloTexas.us
Address	~~P.O. Box 1751~~ San Angelo, TX ~~76902~~	72 W. College San Angelo TX 76903
Elevation of TOC (feet)	1,872.2	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	12,390	
Original Surface Area at TOC (acre)	1,380	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	10,108	
Last Survey Conservation Pool Capacity (acre-feet)	9,615	
Last Survey Dead Pool Volume (acre-feet)	493	
Last Survey Area at TOC (acres)	1,380	
Date of Last Survey	34213	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	3,833	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,884	
Dam Length (feet)	5,480	
Dam Height (feet)	50 (Report 126), 47 (NID 2006)	
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	1,879.1 and 1,880.1	
Emergency Spillway Length (feet)	300 and 600 ft (Report 126), 2050 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	659,064	
Service Spillway Type	controlled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1869.2 (auxillary), 1855.3	
Service Spillway Length (feet)	25 (auxillary), 375 ft	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	~~1 automatic collapsible gate (auxillary)~~, 15 tainter gates, each 25x14 ft	
Type of Gates	tainter(radial)	
Number of Gates	18	
Maximum Gate Release Capacity (cfs)		90,000 CFS
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	1,860.0 ft and 1,836.0 ft	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY-S	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)	0	
River Basin	Colorado	
Stream	South Concho River	
County	Tom Green	
Nearest town	San Angelo	
Distance from Nearest Town (miles)	6 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	31.3883	
Dam Central Longitude	-100.4783	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	25,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C1319	
Permit Number(s)		
Latest Amendment	B	
Authorized Impoundment	12,500	
Priority Date(s)	03/11/1929	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Navarro Mills Lake	
Impoundment Name		
Dam Name	Navarro Mills Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	424.5	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	63,300	✓
Original Surface Area at TOC (acre)	5,070	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	55,817	56963
Last Survey Conservation Pool Capacity (acre-feet)	55,817	56963
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	5,070	5062
Date of Last Survey	26543	September 1972
Last Survey Performed by		Corps of Engineers - Fort Worth District
Total Drainage Area (mile^2)	320	
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	recreation
Dam Type	earthfill	
Top of Dam Elevation (feet)	457	
Dam Length (feet)	7,570	including spillway
Dam Height (feet)	81.7 (Report 126), 82 (NID 2006)	82
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location	Right end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	414	
Emergency Spillway Length (feet)	240	
Maximum Emergency Spillway Discharge Capacity (cfs)	224,000	at maximum design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	414	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	8	6
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	Low-Flow Outlet Works
Elevation of Outlet Works (feet above MSL)	400.0	
Discharge Capacity of Outlet Works (cfs)	265	2-36 inch diameter conduits, runs thru Spillway piers No. 2 and 4
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	19,400	
Year 2060 Yield (acre-feet)	15,000	
River Basin	Trinity	✓
Stream	Richland Creek	✓
County	Navarro	✓
Nearest town	Corsicana	✓
Distance from Nearest Town (miles)	16 miles SW	✓

		Comments
Direction from Nearest Town	SW	✓
Dam Central Latitude	31.95	31° 57' 27"
Dam Central Longitude	-96.7	96° 41' 21"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	19,400	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4992	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	63,300	
Priority Date(s)	10/04/1957, 11/22/1982	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Georgetown, Lake	
Impoundment Name		
Dam Name	North Fork (San Gabriel River) Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	791.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	37,100	✓
Original Surface Area at TOC (acre)	1,310	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	36,904	✓
Last Survey Conservation Pool Capacity (acre-feet)	36,823	✓
Last Survey Dead Pool Volume (acre-feet)	81	at elev 720
Last Survey Area at TOC (acres)	1,287	✓
Date of Last Survey	38473	May 2005
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	246	247
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	recreation
Dam Type	rock fill	
Top of Dam Elevation (feet)	861	✓
Dam Length (feet)	6,700	6650 feet including spillway
Dam Height (feet)	162	✓
Top Width (feet)	40	30'
Comments Dam General	Type:earthfill and rockfill; impervious core	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location	Right end of dam	✓

		Comments
Emergency Spillway Elevation (feet above MSL)	834	✓
Emergency Spillway Length (feet)	1000	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	284,000	✓ at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	834	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	
Number of Gates	2	✓
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	✓
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	✓
Elevation of Outlet Works (feet above MSL)	720.0	✓
Discharge Capacity of Outlet Works (cfs)		4800 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)		735
Discharge Capacity of Water Supply Outlet in Dam (cfs)	350	Low flow
Location of Reservoir Water Supply Outlets		Located in the outlet works tower; Empties into outlet works conduit
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)	12,003	
River Basin	Brazos	✓
Stream	North Fork of the San Gabriel River	✓
County	Willamiamson	✓ Williamson County
Nearest town	Georgetown	✓
Distance from Nearest Town (miles)	3.5	✓

		Comments
Direction from Nearest Town	W	✓
Dam Central Latitude	30.6674	✓
Dam Central Longitude	-97.725	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	13,610	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5162	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	37,100	
Priority Date(s)	02/12/1968	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	O C Fisher Lake	
Impoundment Name		
Dam Name	OC Fisher Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	1,908.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	119,200	✓
Original Surface Area at TOC (acre)	5,440	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	79,483	115743
Last Survey Conservation Pool Capacity (acre-feet)	79,483	115743
Last Survey Dead Pool Volume (acre-feet)	0	
Last Survey Area at TOC (acres)	5,440	5400
Date of Last Survey	22890	September 1962
Last Survey Performed by		Corps of Engineers-Fort Worth District
Total Drainage Area (mile^2)	1,511	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,964	✓
Dam Length (feet)	40,885	including spillway
Dam Height (feet)	128	✓
Top Width (feet)	20	✓
Comments Dam General		
Year(s) of Modifications	1961	
Description of Modifications		Repair of riprap
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		South of the embankment on the right bank

		Comments
Emergency Spillway Elevation (feet above MSL)	1938.5	✓
Emergency Spillway Length (feet)	1150	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	356,200	✓ at Maximum Design Water Surface
Service Spillway Type	~~0~~	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,939	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	
Number of Gates	6	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	1,840.0	
Discharge Capacity of Outlet Works (cfs)		31300 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)		1878.5
Discharge Capacity of Water Supply Outlet in Dam (cfs)	182	Low-flow outlets; 2-30 inch diameter steel pipes
Location of Reservoir Water Supply Outlets		Low-flow outlets parellel outlet works conduits
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY-S	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)	0	
River Basin	Colorado	
Stream	Concho River	North Concho River
County	Tom Green	✓
Nearest town	San Angelo	✓
Distance from Nearest Town (miles)	3 miles ~~NW~~	✓

		Comments
Direction from Nearest Town	NW	
Dam Central Latitude	31.4737	31° 29' 04"
Dam Central Longitude	-100.4833	100° 28' 53"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	80,400	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C1190	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	80,400	
Priority Date(s)	05/27/1949	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

LAVACA-NAVIDAD RIVER AUTHORITY

Dedicated to the Protection and Conservation of Water Resources

June 26, 2008

Janis C. Murphy, P.E.
Freese and Nichols, Inc.
4055 International Plaza, Suite 200
Fort Worth, Texas 76109

Re: Palmetto Bend Dam

Dear Ms. Murphy:

In response to your request, enclosed is the completed Texas Water Development Board Update of Data for Report 126.

If you need additional information or have questions please contact me.

Sincerely,

Patrick Brzozowski, P.E.
General Manager

Enclosure

LNRA

P.O. Box 429 Edna, Texas 77957 Ph: (361) 782-5229 Fax: (361) 782-5310 lnra@ykc.com

Texana

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer Bureau of Reclamation (Denver)

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Can you furnish them in a digital format?

☑ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☑ No

Thank you for your time!

		Comments
Name	Texana, Lake	
Impoundment Name	Lake Texana	
Dam Name	Palmetto Bend Dam	
Owner	Lavaca-Navidad River Authority	
Contact Person	~~Jack Nelson~~	Patrick Brzozowski
Telephone	361-782-5229	
Fax	361-782-5310	
Email	~~jnelson@lnra.org~~	pbrzozowski@lnra.org
Address	P.O. Box 429 Edna, TX 77957	
Elevation of TOC (feet)	44.5	
Dead Pool Elevation (feet)	17	
Original Conservation Pool Total Volume (acre-feet)	170,310	
Original Surface Area at TOC (acre)	9,727	
Original Dead Pool Volume (acre-feet)		8034
Last Survey Conservation Pool Total Volume (acre-feet)	161,085	✓
Last Survey Conservation Pool Capacity (acre-feet)	153,246	✓
Last Survey Dead Pool Volume (acre-feet)	7,839	✓
Last Survey Area at TOC (acres)	9,727	✓
Date of Last Survey	36739	
Last Survey Performed by		
Total Drainage Area (mile^2)	1,314	1409
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, industrial, recreation, municipal	
Dam Type	earthfill	
Top of Dam Elevation (feet)	55	
Dam Length (feet)	41,712	
Dam Height (feet)	63	
Top Width (feet)		
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)		
Emergency Spillway Length (feet)	464	none
Maximum Emergency Spillway Discharge Capacity (cfs)	176,000	none
Service Spillway Type	0	concrete
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	23	
Service Spillway Length (feet)	532'	464
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	Tainter ~~unknown~~	
Number of Gates	12	22.5 high x 35 wide
Maximum Gate Release Capacity (cfs)	193,000	193,000
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	multi level 0	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets	East/West M & I structures	
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	74,500	
Year 2060 Yield (acre-feet)	74,500	
River Basin	Lavaca	
Stream	Navidad River	
County	Jackson	
Nearest town	Edna	
Distance from Nearest Town (miles)	7 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	28.89	
Dam Central Longitude	-96.5783	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	79,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C2095	
Permit Number(s)		
Latest Amendment	D	
Authorized Impoundment	170,300	
Priority Date(s)	05/15/1972, 05/24/1982	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Palo Duro

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

The dam was completed in 1991.

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer Freese & Nichols, Inc.

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Can you furnish them in a digital format?

☑ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

		Comments
Name	Palo Duro Reservoir	
Impoundment Name	Palo Duro Reservoir	
Dam Name	Palo Duro Dam	
Owner	Palo Duro River Authority	
Contact Person	Jim Derington	
Telephone	806-882-4401	
Fax	806-882-4403	
Email	~~pdra@ptsi.net~~ pdra@distmail.net	
Address	P.O. Box 99 Spearman, TX 79081	
Elevation of TOC (feet)	2,892.0	
Dead Pool Elevation (feet)	~~2844~~	2844.5
Original Conservation Pool Total Volume (acre-feet)	60,897	
Original Surface Area at TOC (acre)	2,413	
Original Dead Pool Volume (acre-feet)	~~3222~~	3,222
Last Survey Conservation Pool Total Volume (acre-feet)	60,897	
Last Survey Conservation Pool Capacity (acre-feet)	60,897	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	2,413	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	614	
Contributing Drainage Area (mile^2)	446	
Main Purposes	water supply, fire/stock, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	2,943	
Dam Length (feet)	3,800	
Dam Height (feet)	139	
Top Width (feet)	44	
Comments Dam General	homogenous earth dam	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	right abutment	

		Comments
Emergency Spillway Elevation (feet above MSL)	2915	
Emergency Spillway Length (feet)	800	
Maximum Emergency Spillway Discharge Capacity (cfs)	237,500	
Service Spillway Type	0	
Service Spillway Location	Bottom of Dam	
Service Spillway Elevation (feet above MSL)	2,892	
Service Spillway Length (feet)	250	
Maximum Service Spillway Discharge Capacity (cfs)	4000	
Comments Service Spillway Information		
Type of Gates	uncontrolled	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	0	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	3,958	
Year 2060 Yield (acre-feet)	3,750	
River Basin	Canadian	
Stream	Palo Duro Creek	
County	Hansford	
Nearest town	Spearman	
Distance from Nearest Town (miles)	12 miles N	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	36.3617	
Dam Central Longitude	-101.1633	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	10,460	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3803	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	60,900	
Priority Date(s)	04/23/1974	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Proctor Lake	
Impoundment Name		
Dam Name	Proctor Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	1,162.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	59,400	✓
Original Surface Area at TOC (acre)	4,610	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	55,457	✓
Last Survey Conservation Pool Capacity (acre-feet)	55,457	✓
Last Survey Dead Pool Volume (acre-feet)	0	✓
Last Survey Area at TOC (acres)	4,537	✓
Date of Last Survey	37439	July 2002
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	1,265	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,206	✓
Dam Length (feet)	13,460	✓ including spillway
Dam Height (feet)	86	✓
Top Width (feet)	30	✓
Comments Dam General	concrete spillway	
Year(s) of Modifications	1964	
Description of Modifications		
Emergency Spillway Type	controlled	✓
Emergency Spillway Location	center of dam	abutment at the right end of the main embankment

		Comments
Emergency Spillway Elevation (feet above MSL)	1162	✓
Emergency Spillway Length (feet)	440	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	431,800	✓ at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,162	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	13	11
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	2 - 3 ft x 3 ft diameter slide gates
Elevation of Outlet Works (feet above MSL)	1,128.0	
Discharge Capacity of Outlet Works (cfs)		580 cfs at top of flood control pool
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)	13,492	
River Basin	Brazos	✓
Stream	Leon River	✓
County	Comanche	✓
Nearest town	Proctor	✓
Distance from Nearest Town (miles)	3.5 miles W	✓

		Comments
Direction from Nearest Town	W	✓
Dam Central Latitude	31.9717	31°58'07"
Dam Central Longitude	-98.4767	98°29'09"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	19,658	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right or Application Number(s)	C5159	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	59,400	
Priority Date(s)	12/16/1963	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Ray Roberts, Lake	
Impoundment Name	Ray Roberts Lake	
Dam Name	Ray Roberts Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	632.0	632.5
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	799,600	✓
Original Surface Area at TOC (acre)	29,350	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	798,758	799600
Last Survey Conservation Pool Capacity (acre-feet)	798,758	799600
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	29,350	✓
Date of Last Survey	n/a	1985
Last Survey Performed by		Corps of Engineers - Fort Worth District
Total Drainage Area (mile^2)	692	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation, water quality, fish/wildlife
Dam Type	earthfill	
Top of Dam Elevation (feet)	665	✓
Dam Length (feet)	15,250	14980 excluding spillway
Dam Height (feet)	141	✓
Top Width (feet)		46
Comments Dam General		
Year(s) of Modifications	1990	
Description of Modifications		Relief wells and seepage collector system
Emergency Spillway Type	uncontrolled	uncontrolled limited service
Emergency Spillway Location		right abutment

		Comments
Emergency Spillway Elevation (feet above MSL)	645	645.5
Emergency Spillway Length (feet)	100	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	14,500	at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	641	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	
Number of Gates	2	2 - 6ft x 13 ft gates
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	Y	
No. of Hydropower Units		1
Generation Capacity (mW)		1200 KW
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		551
Discharge Capacity of Outlet Works (cfs)		7100 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)		Low-flow: selector gate inverts: 618.0, 603.0, 588.0, 574.5
Discharge Capacity of Water Supply Outlet in Dam (cfs)	600	Low-flow: 4 rectangular selector gates each measured 4ft x 8ft, the inlets into common wet well which leads to a 3ft x 7ft conduit and then transitions into a 5ft diameter conduit. drop
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	219,424	
Year 2060 Yield (acre-feet)	204,239	
River Basin	Trinity	✓
Stream	Elm Fork Trinity River	✓
County	Denton	✓
Nearest town	Sanger	✓
Distance from Nearest Town (miles)	5 miles E	✓

		Comments
Direction from Nearest Town	E	
Dam Central Latitude	33.3567	33° 21' 19"
Dam Central Longitude	-97.0367	97° 02' 59"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	799,600	
Total Non Consumptive Use (Ac-Ft/Yr)	115100	
Type of Use, Non-Consumptive Diversion	hydroelectric	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C2335, C2455	
Permit Number(s)		
Latest Amendment	2335A, 2455A	
Authorized Impoundment	799,600	
Priority Date(s)	11/24/1975	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

	Comments
Name	Ray Hubbard, Lake
Impoundment Name	
Dam Name	Rockwall-Forney Dam
Owner	City of Dallas/DWU
Contact Person	Charlie Stringer
Telephone	(214) 670-1201
Fax	214-670-3154
Email	c.stringer@dallascityhall.com
Address	City Hall, 1500 Marilla, Suite 4AN Dallas, TX 75201
Elevation □of TOC (feet)	435.5
Dead Pool Elevation (feet)	na
Original Conservation □Pool Total Volume (acre-feet)	490000
Original Surface □Area at TOC (acre)	22745
Original Dead Pool Volume (acre-feet)	na
Last Survey Conservation Pool Total Volume (acre-feet)	452040
Last Survey Conservation Pool Capacity (acre-feet)	452040
Last Survey Dead Pool Volume (acre-feet)	0
Last Survey Area at TOC (acres)	20963
Date of □Last Survey	5/1/2005
Last Survey Performed by	TWDB
Total Drainage □Area (mile2)	1071
Contributing Drainage □Area (mile2)	301
Main Purposes	water supply, flood control
Dam Type	earthfill
Top of Dam Elevation □(feet)	450
Dam Length □(feet)	12500
Dam Height□(feet)	68
Top Width□(feet)	22
Comments Dam General	na
Year(s) of Modifications	1996
Description of Modifications	Installation of Hydrostatic Pressure Abatement Pumps
Emergency Spillway Type	na
Emergency Spillway Location	na
Emergency Spillway Elevation (feet above MSL)	na
Emergency Spillway Length (feet)	na
Maximum Emergency Spillway Discharge Capacity (cfs)	na
Service Spillway Type	controlled
Service Spillway Location	east end of dam
Service Spillway Elevation (feet above MSL)	435.5
Service Spillway Length (feet)	560 net length; 664' total
Maximum Service Spillway Discharge Capacity (cfs)	375,000
Comments Service Spillway Information	na
Type of Gates	tainter(radial)
Number of Gates	14 tainter gates; 9 sluice gates
Maximum Gate Release Capacity (cfs)	375,000
Hydropower (Y/N)	N
No. of Hydropower Units	na
Generation Capacity (mW)	na
Type of Outlet Works	slide(sluice)
Elevation of Outlet Works (feet above MSL)	409.0 and 388.0
Discharge Capacity of Outlet Works (cfs)	3@1053 cfs; 3@197cfs; 3@99cfs
Elevation of Water Supply Outlet (in Dam)	
Discharge Capacity of Water Supply Outlet in Dam (cfs)	
Location of Reservoir Water Supply Outlets	
On or Off Channel (ON/OFF)	on
Stream if Off-Channel	
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY
Year 2010 Yield (acre-feet)	60367
Year 2060 Yield (acre-feet)	58700
River Basin	Trinity

Stream	East Fork trinity river
County	Rockwall, Dallas, Collin, Kaufman
Nearest town	Forney
Distance from□Nearest Town (miles)	Approximately 3 miles East
Direction from Nearest Town	W
Dam □Central Latitude	32.8017
Dam □Central Longitude	-96.5067
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	89700
Total Non Consumptive Use (Ac-Ft/Yr)	
Type of Use, Non-Consumptive Diversion	0
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining, Domestic
Water Right or Application Number(s)	C2462
Permit Number(s)	
Latest Amendment	H
Authorized Impoundment	490000
Priority Date(s)	02/02/1955
Hazard Classification	High

* Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not c

Ray Hubbard (Forney)

TABLE I

PERTINENT DATA

RESERVOIR	ELEVATION ft. m.s.l.	AREA acres	CAPACITY ac. ft.
Top of Dam	450.0		
Design flood level	440.5	25,820	610,300
Max. induced surcharge	438.5	24,640	561,100
Normal conservation pool level	435.5	22,745	490,000
Stream bed	382.0	0	0

EMBANKMENT

A rolled earth embankment with total length (at crest elevation 450.0 feet) of about 12,500 feet. Embankment slopes vary between 1 on 3 at top to 1 on 7 at bottom. Upstream slope protected by riprap on a filter blanket from elevation 415 to crown. Upstream toe below elevation 404.0 is composed of shale excavated in conjunction with the project. A 500' wide maintenance berm has been constructed at the downstream toe.

SPILLWAY

Type	Gate controlled, concrete gravity weir
Crest elevation	409.5 feet m.s.l.
Overflow section	664.0 feet total length, including 13 piers @ 8 feet each. 560 feet net length - 14 gate bays @ 40 feet each
Tainter gates	14 @ 40' x 28', top at 437.5 feet m.s.l.
Design capacity	375,000 cfs @ design flood level 440.45 feet
Non-overflow section	120 feet on either side of overflow section

OUTLET WORKS

Sluice ways	4.5' x 6.75' thru 3 central spillway piers	
Gates	Sill Elev.	Capacity Each @ 435.5
3 @ 4' x 6'	388.0 feet	1,053 cfs
3 @ 2' x 3'	409.0	197
3 @ 1½' x 2'	409.0	99
Tainter Gates		
14 @ 40' x 28'	409.5	20,000 cfs

STILLING BASIN

Type	Horizontal with baffle blocks and end sill
Length	125 feet from toe of spillway apron to end sill
Width	664 feet
Floor elevation	367.0 feet m.s.l.
Baffle blocks	Two rows 7.0 feet high by 6.0 feet wide
End sill	7.0 feet high, elevation 374.0 feet m.s.l.
Approach apron slope	1 on 3
Side walls	Top elevation 410.0 m.s.l.
Depth before jump	8.8 feet
Depth after jump	39.0 feet, i.e. 0.90 x theoretical depth
Maximum tailwater	406.0 feet m.s.l. @ 375,000 cfs discharge

From O+M manual furnished by DWU

		Comments
Name	Inks Lake	
Impoundment Name		
Dam Name	Roy Inks Dam	
Owner	Lower Colorado River Authority	
Contact Person	~~Mike Lowe, P.E.~~	See Buchanan sheet for further contact
Telephone	~~512-473-4076~~	
Fax	512-473-3551	
Email	~~jkabir@lcra.org~~	
Address	P.O. Box 220 Austin, TX 78767	
Elevation of TOC (feet)	888.0	888.27 current published elev.
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	17,545	
Original Surface Area at TOC (acre)	803	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	15,061 ~~14,878~~	current published elev.
Last Survey Conservation Pool Capacity (acre-feet)	14,594	
Last Survey Dead Pool Volume (acre-feet)	284	
Last Survey Area at TOC (acres)	803	
Date of Last Survey	35431	
Last Survey Performed by		
Total Drainage Area (mile^2)	31,868	
Contributing Drainage Area (mile^2)		
Main Purposes	hydroelectric, recreation	
Dam Type	gravity	
Top of Dam Elevation (feet)	919	
Dam Length (feet)	1,458	
Dam Height (feet)	96.5 (Report 126); 96 (NID 2006)	
Top Width (feet)	16.5	
Comments Dam General	Concrete Gravity	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	0	
Emergency Spillway Location		
Emergency Spillway Elevation (feet above MSL)	888.3	

		Comments
Emergency Spillway Length (feet)		
Maximum Emergency Spillway Discharge Capacity (cfs)		
Service Spillway Type	uncontrolled	
Service Spillway Location	center	
Service Spillway Elevation (feet above MSL)	889	
Service Spillway Length (feet)	871	
Maximum Service Spillway Discharge Capacity (cfs)	1,207,697	
Comments Service Spillway Information	uncontrolled gravity section of dam.	
Type of Gates	none	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	Y	
No. of Hydropower Units	1	
Generation Capacity (mW)	14 ~~12~~	current published cap.
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Colorado River	
County	Burnet	
Nearest town	Burnet	
Distance from Nearest Town (miles)	12	

		Comments
Direction from Nearest Town	W	
Dam Central Latitude	30.7309	
Dam Central Longitude	-98.3846	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	0	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5479	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	17,545	
Priority Date(s)	03/29/1926	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Lake Meredith	
Impoundment Name		
Dam Name	Sanford Dam	
Owner	~~Canadian River Municipal Water Authority~~	US Bureau of Reclamation
Contact Person	Kent Satterwhite	
Telephone	806-865-3325	
Fax	806-865-3314	
Email	ksatterwhite@crmwa.com	
Address	Box 9 Sanford, TX 79078	
Elevation of TOC (feet)	~~2,936.50~~	Top of Joint Use (2941 3')
Dead Pool Elevation (feet)		2850
Original Conservation Pool Total Volume (acre-feet)	~~864,400~~	864,397
Original Surface Area at TOC (acres)	~~16,411~~	16,505
Original Dead Pool Volume (acre-feet)		43,049
Last Survey Conservation Pool Total Volume (acre-feet)	~~817,970~~	815,318
Last Survey Conservation Pool Capacity (acre-feet)	~~779,560~~	741,875
Last Survey Dead Pool Volume (acre-feet)	38,414	
Last Survey Area at TOC (Acres)	16,411	
Date of Last Survey		June-95
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	~~20,220~~	15,140 (9,090 below Conchas, 6,050 below Ute)
Contributing Drainage Area (mile^2)	16,048	
Main Purpose	water supply, municipal, industrial	flood control
Dam Type	Earth fill	
Top of dam elevation (feet)	3,011	
Dam Length (feet)	~~6,410~~	6,380
Dam Height (feet)	~~200+(report 126); 226(Nid 2006)~~	3011 - 2813 = 198, + 30 = 228
Top Width (feet)	40	
Comments Dam General		
Year(s) of modifications		
Description of modifications		
Emergency Spillway Type	0	
Emergency Spillway location		NA
Emergency Spillway elevation (feet above MSL)		NA
Emergency Spillway Length(feet)		
Maximum Emergency Spillway Discharge Capacity(cfs)		
Service Spillway Type	uncontrolled	
Service Spillway location		Left Abutment
Service Spillway elevation (feet above MSL)	2,965	
Service Spillway Conduit Diameter (feet)		23
Maximum Service Spillway Discharge Capacity (cfs)	~~61,000~~	59,100
Comments Service Spillway Information	~~circular concentrate drop inlet~~	Ungated
Type of gates	other	
Number of gates	~~7~~	0
Maximum gate releases Capacity (cfs)		
Hydropower (y/n)	N	
No. of hydropower		NA
Generation capacity (mW)		NA
Type of Outlet Work	other	
Elevation of outlet works (feet above MSL)	2894.0 and 2850.0	
Discharge Capacity of water Outlet Works (cfs)	37,000	
Elevation of water supply outlet (in dam)		Multiple Sluice Gates - 2849.0', 2870.0', 2894.0', 2920.0', 2945.0'
Discharge Capacity of water Supply outlet in dam (cfs)		200
Location of Reservoir Water Supply Outlets		Right Abutment
On or Off Channel (ON/OFF)	On	
Stream if Off Channel		
Yield Type (FY: Firm Yield, SY: Safe Yield, Other)	FY	
Year 2010 Yield (acre-feet)	69750	
Year 2060 Yield (acre-feet)	69750	
River Basin	Canadian	
Stream if Off Channel	Canadian River	
County	Hutchinson	
Nearest town	Sanford	
Distance from Nearest Town (Miles)	1 mile NW	
Direction from Nearest Town	NW	
Dam Central Latitude	35.7167	
Dam Central Longitude	-101.5533	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	151,200	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumption Diversion	0	
Water Right or Application Number(s)	C3782	Certificate of Adjudication
Permit Number(s)		1815 - Superseded
Latest Amendment		
Authorized Impoundment	1,407,572	
Priority Date(s)	1/30/1956	
Hazard Classification	High	

Meredith

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer USBR

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Sam Rayburn Reservoir	
Impoundment Name		
Dam Name	Sam Rayburn Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	164.4	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	2,898,200	2898500
Original Surface Area at TOC (acre)	114,500	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	2,876,033	✓
Last Survey Conservation Pool Capacity (acre-feet)	1,415,043	
Last Survey Dead Pool Volume (acre-feet)	1,460,990	✓
Last Survey Area at TOC (acres)	112,590	✓
Date of Last Survey	38078	April 2004
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	3,449	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply, hydroelectric	power, recreation, fish/wildlife
Dam Type	earthfill	
Top of Dam Elevation (feet)	190	193.6
Dam Length (feet)	19,430	16190
Dam Height (feet)	120	✓
Top Width (feet)	42	✓
Comments Dam General	legnth includes spillway and dikes	length includes embankment and dikes
Year(s) of Modifications	1982	1994-1996
Description of Modifications		Riprap repair, spillway modification and freeboard restoration
Emergency Spillway Type	uncontrolled	uncontrolled labyrinth weir
Emergency Spillway Location	left of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	176	✓
Emergency Spillway Length (feet)	2200 (Report 126); 680 (NID 2006)	640 ft
Maximum Emergency Spillway Discharge Capacity (cfs)	249,700	244500
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	176	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	
Number of Gates	1	2
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	Y	
No. of Hydropower Units	2	
Generation Capacity (mW)	52	
Type of Outlet Works	slide(sluice)	Tractor Type gates
Elevation of Outlet Works (feet above MSL)	105.0	✓
Discharge Capacity of Outlet Works (cfs)		21800
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	820,000	
Year 2060 Yield (acre-feet)	820,000	
River Basin	Neches	✓
Stream	Angelina River	✓
County	Jasper	✓
Nearest town	Jasper	✓
Distance from Nearest Town (miles)	10 miles NW	✓

		Comments
Direction from Nearest Town	NW	✓
Dam Central Latitude	31.0647	31° 03' 38"
Dam Central Longitude	-94.087	94° 06' 21"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	28,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4411 excluding the backups for other diversion	
Permit Number(s)		
Latest Amendment	D	
Authorized Impoundment		
Priority Date(s)	08/12/1913, 12/31/1924, 11/12/1963	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Santa Rosa Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☐ No ☐ Unknown

If so, what modifications were made and when? work completed 1996

Mid 90s top of dam raised 8.5 feet and emergency spillway added on the south

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☑ Unknown

Design Engineer Biggs & Matthews

Do you have any representative photographs which the Texas Water Development Board can have? Janis Murphy, PE, Freeze & Nichols did an inspection of the dam in May 2006.

☑ Yes ☐ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

		Comments
Name	Santa Rosa Lake	
Impoundment Name		
Dam Name	Santa Rosa Dam	
Owner	W. T. Waggoner Estate	
Contact Person	Todd Thomas	
Telephone	940-552-2521	
Fax	940-552-2523	
Email	thomast@waggonerranch.com	
Address	P.O.Box 2130 Vernon, TX 76385	
Elevation of TOC (feet)	1,167.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	11,570	
Original Surface Area at TOC (acre)	1,500	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	11,570	
Last Survey Conservation Pool Capacity (acre-feet)	11,570	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1,500	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	336	
Contributing Drainage Area (mile^2)		
Main Purposes	Irrigation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,178	
Dam Length (feet)	2,400	
Dam Height (feet)	41 (Report 126); 45 (NID 2006)	✓
Top Width (feet)	15	
Comments Dam General		
Year(s) of Modifications	1965	1995 – 1996
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	south of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	1168	
Emergency Spillway Length (feet)	200 (Report 126); 1200 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	165,541	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,167	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	
Number of Gates	1	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	3,075	
Year 2060 Yield (acre-feet)	3,075	
River Basin	Red	
Stream	Beaver Creek	
County	Wilbarger	
Nearest town	Vernon	
Distance from Nearest Town (miles)	15 miles S	

		Comments
Direction from Nearest Town	S	
Dam Central Latitude	33.9409	
Dam Central Longitude	-99.26	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	3,075	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5124	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	9,556	
Priority Date(s)	06/30/1926	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Somerville Lake	
Impoundment Name		
Dam Name	Somerville Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	238.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	160,100	
Original Surface Area at TOC (acre)	11,460	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	147,104	
Last Survey Conservation Pool Capacity (acre-feet)	147,095	147104
Last Survey Dead Pool Volume (acre-feet)	9	0
Last Survey Area at TOC (acres)	11,555	
Date of Last Survey	37803	July 2003
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	1,006	
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	
Top of Dam Elevation (feet)	280	
Dam Length (feet)	20,210	excluding spillway
Dam Height (feet)	80	80 embankment 20 dike
Top Width (feet)	20 (spillway section), 34 (embankment section)	34 (embankment and dike)
Comments Dam General	4,715 ft of dike at right of spillway	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	left end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	258	✓
Emergency Spillway Length (feet)	1250	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	286,000	✓ at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	258	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	~~slide(sluice)~~	
Number of Gates	3	2
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	Tractor-Type gates
Elevation of Outlet Works (feet above MSL)	206.0	
Discharge Capacity of Outlet Works (cfs)		3300 cfs at Spillway Crest
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	43,149	
Year 2060 Yield (acre-feet)	42,043	
River Basin	Brazos	✓
Stream	Yegua Creek	✓
County	Burleson, Washington	✓
Nearest town	Somerville	✓
Distance from Nearest Town (miles)	2 miles S	✓

		Comments
Direction from Nearest Town	S	✓
Dam Central Latitude	30.3314	30°19'20"
Dam Central Longitude	-96.5333	96°31'32"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	48,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right or Application Number(s)	C5164	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	160,110	
Priority Date(s)	12/16/1963	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

South Prong Dam
Lake Waxahachie

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

1995 Roller Compacted Concrete Placed in stairstep configuration on Downstream Slope.

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer Freese and Nichol's

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Can you furnish them in a digital format?

☑ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

		Comments
Name	Waxahachie, Lake	
Impoundment Name		
Dam Name	South Prong Dam	
Owner	Ellis County Water Control & Improvement District #1	
Contact Person	David Bailey, Director of Utilities	
Telephone	972-937-7330 ext. 121	
Fax	972-923-1058	
Email	dbailey@waxahachie.com	
Address	P.O. Box 757 Waxahachie, TX 75168	
Elevation of TOC (feet)	531.5	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	13,500	
Original Surface Area at TOC (acre)	690	
Original Dead Pool Volume (acre-feet)	1,500	
Last Survey Conservation Pool Total Volume (acre-feet)	11,386	Survey Performed Nov. 6, 2000 by TWDB
Last Survey Conservation Pool Capacity (acre-feet)	10,779	
Last Survey Dead Pool Volume (acre-feet)	607	
Last Survey Area at TOC (acres)	656	
Date of Last Survey	36708	what is this Date?
Last Survey Performed by		
Total Drainage Area (mile^2)	30	
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	
Dam Type	earthfill	
Top of Dam Elevation (feet)	542	
Dam Length (feet)	3,800	
Dam Height (feet)	66 (Report 126), 62 (NID 2006)	
Top Width (feet)	18	
Comments Dam General	legnth includes spillway	
Year(s) of Modifications	1995	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	at the right abutment	

		Comments
Emergency Spillway Elevation (feet above MSL)	531.5	
Emergency Spillway Length (feet)	300	
Maximum Emergency Spillway Discharge Capacity (cfs)	56,521	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	532	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	
Number of Gates	3	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	2,667	
Year 2060 Yield (acre-feet)	2,200	
River Basin	Trinity	
Stream	South Prong Creek	
County	Ellis	
Nearest town	Waxahachie	
Distance from Nearest Town (miles)	4 miles SE	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	32.3417	
Dam Central Longitude	-96.805	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	3,570	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5018, C5021A	
Permit Number(s)		
Latest Amendment	5018A	
Authorized Impoundment	13,500	
Priority Date(s)	12/20/1954	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

BRA Edits

Name	Limestone, Lake	
Other Name(s)		
Impoundment Name	Lake Limestone	
Dam Name	Sterling C. Robertson Dam	
Name Source		
Name Comments		
In Report 126? (Y or N)	N	
Updated Since Report 126? (Y or N)		
Design Engineer	URS Forrest & Cotton Inc.	
Construction Contractor	Texas Bitulithic Co.	
Construction Cost	$15,678,576	
Modification Engineer		
Modification Contractor		
Modification Cost		
Construction Source	NID 2006	
Construction Comments		
Owner	Brazos River Authority	
Contact Person	~~Terry Lopas~~	Phil Ford GM/CEO
Telephone	~~254-761-3181~~	254-761-3100
Fax	254-761-3205	
Email	~~tlopas@brazos.org~~	pford@brazos.org
Address	P.O. Box 7555 Waco, TX 76714	
Contact Source		
Contact Comments	qlu: Requested separate mailout	
Elevation of TOC (feet)	363	
Dead Pool Elevation (feet)		
Datum		
Original Conservation Pool Total Volume (acre-feet)	225400	
Original Surface Area at TOC (acre)	~~13680~~	14,200
Original Dead Pool Volume (acre-feet)		
Year Construction Started		
Year of Completion	1978	
Year Impoundment Began		
Source Original Information	NID 2006	
Comments Original Information	Planning: 217494 is from plate. 225400 is from TXDAMS and confirmed by owner	
Last Survey Conservation Pool Total Volume (acre-feet)	208017	
Last Survey Conservation Pool Capacity (acre-feet)	208017	
Last Survey Dead Pool Volume (acre-feet)	~~2~~	leave blank
Last Survey Area at TOC (acres)	12553	
Date of Last Survey	Apr-02	
Last Survey Performed by	TWDB	
Source Last Survey	Volumetric Survey of Lake Limestone, 2003	

LC
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Comments Last Survey			
Other Surveys			
Source Other Surveys			
Modification(s) to Conservation Storage			
Total Drainage Area (mile^2)	675		
Contributing Drainage Area (mile^2)			675
Source Drainage Area	NID 2006		
Comments Drainage Area			
Main Purposes	water supply, irrigation, recreation	add Industrial	
Dam Type	earthfill		
Top of Dam Elevation (feet)	380		
Dam Length (feet)	9100	11,395 including spillway	
Dam Height (feet)	65		78
Top Width (feet)			20
Source Dam General	NID 2006		
Comments Dam General			
Year(s) of Modifications			
Description of Modifications			
Source Modifications			
Comments Modifications			
Emergency Spillway Type	uncontrolled		
Emergency Spillway Location		East of Dam (left of dam)	
Emergency Spillway Elevation (feet above MSL)	370		
Emergency Spillway Length (feet)	200		3,000
Maximum Emergency Spillway Discharge Capacity (cfs)	296900	114,160 (using the Test Flood)	
Source Emergency Spillway Information	NID 2006		
Comments Emergency Spillway Information			
Service Spillway Type		Controlled	
Service Spillway Location		Center of Dam	
Service Spillway Elevation (feet above MSL)	363		337
Service Spillway Length (feet)			200
Maximum Service Spillway Discharge Capacity (cfs)		182,740 (using the Test Flood), or 135,000 (using the spillway design flood)	
Source Service Spillway Information			
Comments Service Spillway Information			
Type of Gates	tainter(radial)		
Number of Gates	10		5

LL
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Maximum Gate Release Capacity (cfs)			182,740
Source Gates	NID 2006		
Comments Gates	5 tainter, 3 other, 2 slide		
Hydropower (Y/N)	N		
No. of Hydropower Units			
Generation Capacity (mW)			
Source Hydropower	NID 2006		
Comments Hydropower			
Type of Outlet Works		One 10in pipe and two 36in pipes	
Elevation of Outlet Works (feet above MSL)		325.25 ft and 322.0 ft above msl	
Discharge Capacity of Outlet Works (cfs)		12 and 150 (at 363 ft above msl)	
Elevation of Water Supply Outlet (in Dam)		325.25 ft and 322.0 ft above msl	
Discharge Capacity of Water Supply Outlet in Dam (cfs)		12 and 150 (at 363 ft above msl)	
Source Outlets			
Comments Outlets			
Location of Reservoir Water Supply Outlets		On either side of service spillway	
Source Water Supply Locations			
Comments Water Supply Locations			
On or Off Channel (ON/OFF)	on		
Stream if Off-Channel			
Yield Type (FY,SY,Other)	FY		
Year 2010 Yield (acre-feet)	63519		66,190
Year 2060 Yield (acre-feet)	55744		58,730
Source Yield	~~DB07~~	Brazos River Authority	
Comments Yield			
River Basin	Brazos		
Stream	Navasota River		
County	Limestone,Leon, and Robertson		
Nearest town	Marquez		
Distance from Nearest Town (miles)	7 miles NW		
Direction from Nearest Town	NW		
Source Location	Verified using Google Maps		
Comments Location			
Water Planning Region	G	Brazos G	
Dam Central Latitude	31.325		
Dam Central Longitude	-96.32		
Source Lat/Long			
Upstream USGS Gauge Number(s)	08110325, 08110430		
Upstream USGS Gauge Name(s)	Navasota River above Groesbeck, Tex., Big Creek near Freestone, Tex.		
Down Stream USGS Gauge Number(s)	08110500		

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Down Stream USGS Gauge Names(s)	Navasota River near Easterly, Tex.	
Reservoir USGS Gauge Number	08110470	
Reservoir USGS Gauge Name	Lake Limestone near Marquez, Tex.	
Source USGS Gauge Data	1999 Index of Stations	
Comments USGS Gauge Data		
Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)	65074	
Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)		
Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)		
Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)		
Authorized Mining Consumptive Diversion (Ac-Ft/Yr)		
Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)		
Authorized Other Consumptive Diversion (Ac-Ft/Yr)		
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	65074	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion		
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right Type (CA or P)	CA	
Water Right or Application Number(s)	C5165	CA 12-5165
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	225400	
Priority Date(s)	05/06/1974, 09/04/1979	
Source Water Rights Information	TCEQ Database	
Comments Water Rights Information		
WAM Reservoir ID	LMSTNE	
WAM Control Point ID for Dam	516531	
Other Associated WAM Control Point IDs		
Hazard Rating	Significant	High

LC
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Lake Limestone (Sterling C. Robertson Dam)

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☐ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☐ No

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No

Thank you for your time!

Brazos River Authority

QUALITY • CONSERVATION • SERVICE

July 17, 2008

Janis C. Murphy, PE
Freese and Nichols, Inc.
4055 International Plaza, Ste 200
Fort Worth, TX 76109

Re: De Cordova Bend Dam
Sterling C. Robertson Dam
Morris Sheppard Dam
Update to TWDB Report 126

Dear Ms. Murphy:

I am in receipt of your June 3, 2008 letter to Terry Lopas regarding DeCordova Bend Dam, Sterling C. Robertson Dam, and Morris Sheppard Dam. BRA has reviewed and updated where appropriate the information on the data tables for inclusion in the update of TWDB Report 126. Mitch Sodek in my office called and received from you the spreadsheet versions of the data tables from you and I am transmitting the edited tables back to you. Also enclosed for each of the three dams are the questionnaires regarding significant modifications.

I'm pleased that you are updating Report 126 – that has been a favorite reference of mine over the years. If you have any comments or questions on the information we're sending you, please call or email. My email address is dwheelock@brazos.org.

Very truly yours,

BRAZOS RIVER AUTHORITY

David C. Wheelock, PE
Water Services Manager

attachments

4600 Cobbs Drive • P.O. Box 7555 • Waco, Texas 76714-7555
254-761-3100 • FAX 254-761-3202

		BRA Edits
Name	Limestone, Lake	
Other Name(s)		
Impoundment Name	Lake Limestone	
Dam Name	Sterling C. Robertson Dam	
Name Source		
Name Comments		
In Report 126? (Y or N)	N	
Updated Since Report 126? (Y or N)		
Design Engineer	URS Forrest & Cotton Inc.	
Construction Contractor	Texas Bitulithic Co.	
Construction Cost	$15,678,576	
Modification Engineer		
Modification Contractor		
Modification Cost		
Construction Source	NID 2006	
Construction Comments		
Owner	Brazos River Authority	
Contact Person	~~Terry Lopas~~	Phil Ford GM/CEO
Telephone	~~254-761-3181~~	254-761-3100
Fax	254-761-3205	
Email	~~tlopas@brazos.org~~	pford@brazos.org
Address	P.O. Box 7555 Waco, TX 76714	
Contact Source		
Contact Comments	qlu: Requested separate mailout	
Elevation of TOC (feet)	363	
Dead Pool Elevation (feet)		
Datum		
Original Conservation Pool Total Volume (acre-feet)	225400	
Original Surface Area at TOC (acre)	~~13680~~	14,200
Original Dead Pool Volume (acre-feet)		
Year Construction Started		
Year of Completion	1978	
Year Impoundment Began		
Source Original Information	NID 2006	
Comments Original Information	Planning: 217494 is from plate. 225400 is from TXDAMS and confirmed by owner	
Last Survey Conservation Pool Total Volume (acre-feet)	208017	
Last Survey Conservation Pool Capacity (acre-feet)	208017	
Last Survey Dead Pool Volume (acre-feet)	~~2~~	leave blank

Last Survey Area at TOC (acres)	12553	
Date of Last Survey	Apr-02	
Last Survey Performed by	TWDB	
Source Last Survey	Volumetric Survey of Lake Limestone, 2003	
Comments Last Survey		
Other Surveys		
Source Other Surveys		
Modification(s) to Conservation Storage		
Total Drainage Area (mile^2)	675	
Contributing Drainage Area (mile^2)		675
Source Drainage Area	NID 2006	
Comments Drainage Area		
Main Purposes	water supply, irrigation, recreation	add Industrial
Dam Type	earthfill	
Top of Dam Elevation (feet)	380	
Dam Length (feet)	9100	11,395 including spillway
Dam Height (feet)	65	78
Top Width (feet)		20
Source Dam General	NID 2006	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Source Modifications		
Comments Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		East of Dam (left of dam)
Emergency Spillway Elevation (feet above MSL)	370	
Emergency Spillway Length (feet)	200	3,000
Maximum Emergency Spillway Discharge Capacity (cfs)	296900	114,160 (using the Test Flood)
Source Emergency Spillway Information	NID 2006	
Comments Emergency Spillway Information		
Service Spillway Type		Controlled
Service Spillway Location		Center of Dam

Service Spillway Elevation (feet above MSL)	363	337
Service Spillway Length (feet)		200
Maximum Service Spillway Discharge Capacity (cfs)		182,740 (using the Test Flood), or 135,000 (using the spillway design flood)
Source Service Spillway Information		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	10	5
Maximum Gate Release Capacity (cfs)		182,740
Source Gates	NID 2006	
Comments Gates	5 tainter, 3 other, 2 slide	
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Source Hydropower	NID 2006	
Comments Hydropower		
Type of Outlet Works		One 10in pipe and two 36in pipes
Elevation of Outlet Works (feet above MSL)		325.25 ft and 322.0 ft above msl
Discharge Capacity of Outlet Works (cfs)		12 and 150 (at 363 ft above msl)
Elevation of Water Supply Outlet (in Dam)		325.25 ft and 322.0 ft above msl
Discharge Capacity of Water Supply Outlet in Dam (cfs)		12 and 150 (at 363 ft above msl)
Source Outlets		
Comments Outlets		
Location of Reservoir Water Supply Outlets		On either side of service spillway
Source Water Supply Locations		
Comments Water Supply Locations		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY,SY,Other)	FY	
Year 2010 Yield (acre-feet)	63519	66,190
Year 2060 Yield (acre-feet)	55744	58,730
Source Yield	~~DB07~~	Brazos River Authority
Comments Yield		
River Basin	Brazos	
Stream	Navasota River	
County	Limestone,Leon, and Robertson	
Nearest town	Marquez	

Distance from Nearest Town (miles)	7 miles NW	
Direction from Nearest Town	NW	
Source Location	Verified using Google Maps	
Comments Location		
Water Planning Region	G	Brazos G
Dam Central Latitude	31.325	
Dam Central Longitude	-96.32	
Source Lat/Long		
Upstream USGS Gauge Number(s)	08110325, 08110430	
Upstream USGS Gauge Name(s)	Navasota River above Groesbeck, Tex., Big Creek near Freestone, Tex.	
Down Stream USGS Gauge Number(s)	08110500	
Down Stream USGS Gauge Names(s)	Navasota River near Easterly, Tex.	
Reservoir USGS Gauge Number	08110470	
Reservoir USGS Gauge Name	Lake Limestone near Marquez, Tex.	
Source USGS Gauge Data	1999 Index of Stations	
Comments USGS Gauge Data		
Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)	65074	
Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)		
Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)		
Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)		
Authorized Mining Consumptive Diversion (Ac-Ft/Yr)		
Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)		
Authorized Other Consumptive Diversion (Ac-Ft/Yr)		
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	65074	

Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion		
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right Type (CA or P)	CA	
Water Right or Application Number(s)	C5165	CA 12-5165
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	225400	
Priority Date(s)	05/06/1974, 09/04/1979	
Source Water Rights Information	TCEQ Database	
Comments Water Rights Information		
WAM Reservoir ID	LMSTNE	
WAM Control Point ID for Dam	516531	
Other Associated WAM Control Point IDs		
Hazard Rating	Significant	High

		Comments
Name	Stillhouse Hollow Lake	
Impoundment Name		
Dam Name	Stillhouse Hollow Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	622.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	235,700	✓
Original Surface Area at TOC (acre)	6,430	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	227,825	
Last Survey Conservation Pool Capacity (acre-feet)	227,771	✓
Last Survey Dead Pool Volume (acre-feet)	54	✓
Last Survey Area at TOC (acres)	6,484	✓
Date of Last Survey	38504	May 2005
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	1,318	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	recreation
Dam Type	earthfill	
Top of Dam Elevation (feet)	698	✓
Dam Length (feet)	15,624	✓
Dam Height (feet)	200	✓
Top Width (feet)	42	✓
Comments Dam General	legnth includes the dike	length includes spillway and dike
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location	left of dam	✓

		Comments
Emergency Spillway Elevation (feet above MSL)	666	✓
Emergency Spillway Length (feet)	1650	
Maximum Emergency Spillway Discharge Capacity (cfs)	781,483	673500 cfs at Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	666	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	slide(sluice)	
Number of Gates	1	2.
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	515.0	
Discharge Capacity of Outlet Works (cfs)		7400 cfs at spillway crest
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)	67,768	
River Basin	Brazos	✓
Stream	Lampasas River	✓
County	Bell	✓
Nearest town	Belton	✓
Distance from Nearest Town (miles)	5 miles SW	✓

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	31.0215	31°01'20"
Dam Central Longitude	-97.531	97°31'57"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	67,768	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C5161	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	235,700	
Priority Date(s)	12/16/1963	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Striker Creek Dam

ANGELINA AND NACOGDOCHES COUNTIES WATER
CONTROL AND IMPROVEMENT DISTRICT No. 1
18950 CR 4256 S Reklaw, Texas 75784
Email: ancwcid1@aol.com
903-854-4559 Fax: 903-854-4341

6/23/2008

FREESE AND NICHOLS, INC
ATTN: JANIS MURPHY
4055 INTERNATIONAL PLAZA, SUITE 200
FT WORTH TX 76109

Dear Ms. Murphy,

Enclosed is the update on the information that you requested for Lake Striker. If we can be of further assistance feel free to contact us.

Yours truly,

David Mason

David Mason
District Manager

		Comments
Name	Striker, Lake	
Impoundment Name		
Dam Name	Striker Creek Dam	
Owner	Angelina-Nacogdoches Co WCID	
Contact Person	David Mason	
Telephone	903-854-4559	
Fax	903-854-4341	
Email	ancwcid1@aol.com	
Address	18950 CR 4256 South Reklaw, Texas 75784	
Elevation of TOC (feet)	293.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	26,960	
Original Surface Area at TOC (acre)	1,863	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	22,865	
Last Survey Conservation Pool Capacity (acre-feet)	16,934	
Last Survey Dead Pool Volume (acre-feet)	5,931	
Last Survey Area at TOC (acres)	1,920	
Date of Last Survey	35400	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	182	
Contributing Drainage Area ($mile^2$)		
Main Purposes	industrial, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	309	
Dam Length (feet)	2,400	
Dam Height (feet)	42 (Report 126); 40 (NID 2006)	
Top Width (feet)	35	
Comments Dam General	legnth includes spillway	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	294	
Emergency Spillway Length (feet)	600 (Report 126); 650 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	130,000	
Service Spillway Type	controlled	
Service Spillway Location	left end of dam	
Service Spillway Elevation (feet above MSL)	282	
Service Spillway Length (feet)	140	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	~~5~~ 4	Four, not Five
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	282.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	20,183	
Year 2060 Yield (acre-feet)	16,050	
River Basin	Neches	
Stream	Striker Creek	
County	Rusk, Cherokee	
Nearest town	Henderson	
Distance from Nearest Town (miles)	18 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	31.9335	
Dam Central Longitude	-94.9789	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	20,600	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4847	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	26,960	
Priority Date(s)	12/05/1955	
Hazard Classification	Low	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Texas Water Development Board
Update of Data for Report 126
Striker

Has your structure had any significant modifications since 1970?

☐ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☑ No ☐ Unknown

Design Engineer J. M. Lloyd & Associates (No longer in business)

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Can you furnish them in a digital format?

Digital only

☑ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

		Comments
Name	Wright Patman Lake	
Impoundment Name		
Dam Name	Texarkana Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil CESWF-EC-H
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	
		Operating rule curve uses 220.6 as top of conservation pool from beginning of November to end of march. From beginning of April to end of May the rule curve rises to 227.5, after which it falls to 220.6 at the end of October.
Elevation of TOC (feet)	220.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	145,300	at elevation 220
Original Surface Area at TOC (acre)	20,300	at elevation 220
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	110,900	at elevation 220
Last Survey Conservation Pool Capacity (acre-feet)	110,900	
Last Survey Dead Pool Volume (acre-feet)	47	
Last Survey Area at TOC (acres)	18,994	at elevation 220
Date of Last Survey	35431	January 1997
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	3,443	✓
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	recreation
Dam Type	earthfill	
Top of Dam Elevation (feet)	286	✓
Dam Length (feet)	18,500	18640
Dam Height (feet)	106	✓
Top Width (feet)	30	✓
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	right end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	259.5	✓
Emergency Spillway Length (feet)	200	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	63,200	✓
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	260	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	0	
Number of Gates		4
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	200.0	
Discharge Capacity of Outlet Works (cfs)	33,500.0	27600 cfs at Top of flood control pool
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	180,000	
Year 2060 Yield (acre-feet)	180,000	
River Basin	Sulphur	✓
Stream	Sulphur River	✓
County	Bowie, Cass	✓
Nearest town	Texarkana	✓
Distance from Nearest Town (miles)	9	✓

		Comments
Direction from Nearest Town	SW	✓
Dam Central Latitude	33.305	33°18'16"
Dam Central Longitude	-94.16	94°09'38"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	180,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4836	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	386,900	
Priority Date(s)	03/05/1951, 02/17/1957	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

TOLEDO BEND

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☒ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☒ Unknown

Design Engineer Forest + Cotten

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Toledo Bend Reservoir	
Impoundment Name		
Dam Name	Toledo Bend Dam	
Owner	Sabine River Authorities of Texas and Louisiana	50/50 OWNERSHIP
Contact Person	Donnie Henson	
Telephone	409-746-2192	
Fax	409-746-3780	
Email	dhenson@sratx.org	
Address	P.O. Box 579 Orange, TX 77630	
Elevation of TOC (feet)	172.0	
Dead Pool Elevation (feet)		Hydro - 162.2 Water sup 126
Original Conservation Pool Total Volume (acre-feet)	4,477,000	
Original Surface Area at TOC (acre)	181,600	
Original Dead Pool Volume (acre-feet)	Unknown	Hydro 2,922,800, water supply?
Last Survey Conservation Pool Total Volume (acre-feet)	4,477,000	
Last Survey Conservation Pool Capacity (acre-feet)	4,472,900	
Last Survey Dead Pool Volume (acre-feet)	4,100	
Last Survey Area at TOC (acres)	181,600	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	7,178	7190 sq miles
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, hydroelec, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	185	
Dam Length (feet)	11,200	
Dam Height (feet)	122 (Report 126); Dike 1: 10 ft, Dike 2: 55 ft, Dike 3: 11ft (NID 2006)	
Top Width (feet)	25	
Comments Dam General	earthfill and gravity NID 2006	
Year(s) of Modifications		None
Description of Modifications		None

		Comments
Emergency Spillway Type	controlled	
Emergency Spillway Location	~~Right~~ Left end of dam	North end
Emergency Spillway Elevation (feet above MSL)	145	173 MSL
Emergency Spillway Length (feet)	440	838 ft
Maximum Emergency Spillway Discharge Capacity (cfs)	360,000	290,000
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	12	11 gates
Maximum Gate Release Capacity (cfs)		26,363 cfs
Hydropower (Y/N)	Y	
No. of Hydropower Units	2	
Generation Capacity (mW)	80.75	85
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	100.0	
Discharge Capacity of Outlet Works (cfs)		144 cfs
Elevation of Water Supply Outlet (in Dam)	N/A	
Discharge Capacity of Water Supply Outlet in Dam (cfs)	N/A	
Location of Reservoir Water Supply Outlets		~~Anahuac Hemphill Logansport~~ Many
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel	N/A	
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	750,000	1/2
Year 2060 Yield (acre-feet)	750,000	1/2
River Basin	Sabine	
Stream	Sabine River	
County	Newton, Panola, Sabine, Shelby	TX
Nearest town	Burkeville	
Distance from Nearest Town (miles)	14 miles NE	

		Comments
Direction from Nearest Town	NE	
Dam Central Latitude	31.1783	
Dam Central Longitude	-93.5667	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	750,000	SRA-TX's 1/2 -
Total Non Consumptive Use (Ac-Ft/Yr)	65700	
Type of Use, Non-Consumptive Diversion	hydroelectric	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4658	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	4,477,000	
Priority Date(s)	03/05/1958, 01/22/1986	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

A GOVERNMENT AGENCY
OF THE
State of Texas

(409) 746-2192
FAX (409) 746-3780

SABINE RIVER AUTHORITY of Texas

P.O. BOX 579
ORANGE, TEXAS
77631

July 21, 2008

Ms. Janis Murphy, P.E.
Freese & Nichols, Inc.
4055 International Plaza, Suite 200
Fort Worth, TX 76109

Re: Lake Fork, Iron Bridge, and Toledo Bend Dams

Dear Ms. Murphy:

Attached please find completed data on the above-referenced dams for the "Texas Water Development Board Update of Data for Report 126" per your letter of June 3, 2008.

If you have any questions or need additional information, please advise.

Sincerely,

Donnie Henson
Operations Manager

DH:dkb

Attachments

xc: Butch Choate
Tom Pegues
Randy Traylor
Jim Washburn

		Comments
Name	B A Steinhagen Lake	
Impoundment Name		
Dam Name	Town Bluff Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	83.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	94,200	✓
Original Surface Area at TOC (acre)	13,700	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	66,972	✓
Last Survey Conservation Pool Capacity (acre-feet)	66,966	✓
Last Survey Dead Pool Volume (acre-feet)	6	Volume at elevation 50.0
Last Survey Area at TOC (acres)	10,687	✓
Date of Last Survey	37744	June 2003
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	7,573	✓
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, hydropower	✓ / ✓ reregulation, recreation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	95	✓
Dam Length (feet)	6,698	✓ including spillway
Dam Height (feet)	45	✓
Top Width (feet)	25	✓
Comments Dam General	paved earthfill	✓
Year(s) of Modifications	1988	✓
Description of Modifications		hydropower facility constructed
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	85	✓
Emergency Spillway Length (feet)	6100	✓
Maximum Emergency Spillway Discharge Capacity (cfs)	~~68000 at water el 83 (Report 126, spillway only); 218200 (NID 2006)~~	maximum Design Water surface 218,300 cfs at elev. 93.0
Service Spillway Type	controlled	
Service Spillway Location	right end of dam	
Service Spillway Elevation (feet above MSL)		50.0
Service Spillway Length (feet)	240 (net)	
Maximum Service Spillway Discharge Capacity (cfs)		67000 cfs at elev. 83.0
Comments Service Spillway Information	gated section of spillway	
Type of Gates	tainter(radial)	
Number of Gates	6	✓
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	Y	
No. of Hydropower Units		2
Generation Capacity (mW)		3.84 mW
Type of Outlet Works	other	
Elevation of Outlet Works (feet above MSL)	52.0	✓
Discharge Capacity of Outlet Works (cfs)		1490 cfs at elevation 83.0
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	820,000	
Year 2060 Yield (acre-feet)	820,000	
River Basin	Neches	✓
Stream	Neches River	✓
County	Tyler, Jasper	✓
Nearest town	Town Bluff	✓
Distance from Nearest Town (miles)	0.5	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	30.8011	✓
Dam Central Longitude	-94.1716	✓
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	792,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4411 excluding the backups for other diversion	
Permit Number(s)		
Latest Amendment	D	
Authorized Impoundment		
Priority Date(s)	08/12/1913, 12/31/1924, 11/12/1963	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Twin Buttes

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

Cut-off wall installed in 1997

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Bureau of Reclamation

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Twin Buttes Reservoir	
Impoundment Name		
Dam Name	Twin Buttes Dam	
Owner	Bureau of Reclamation - USDOI	
Contact Person	W.H. Wilde	
Telephone	~~915-657-4206~~	325-(65)-4207
Fax	~~915-655-6397~~	325-655-6397
Email	~~wwilde@wcc.net~~	will.wilde@sanangelotx.us
Address	~~P.O. Box 1751~~ San Angelo, TX ~~76902~~	72 W. College So. Angelo TX 76903
Elevation of TOC (feet)	1,940.2	
Dead Pool Elevation (feet)	~~4,600~~	1935.0
Original Conservation Pool Total Volume (acre-feet)	186,200	
Original Surface Area at TOC (acre)	9,080	
Original Dead Pool Volume (acre-feet)	4,600	
Last Survey Conservation Pool Total Volume (acre-feet)	186,200	
Last Survey Conservation Pool Capacity (acre-feet)	177,850	
Last Survey Dead Pool Volume (acre-feet)	8,350	
Last Survey Area at TOC (acres)	9,080	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	3,724	
Contributing Drainage Area (mile^2)	2,546	
Main Purposes	water supply, flood, irrigation, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	1,991	
Dam Length (feet)	8.04 miles	
Dam Height (feet)	134	
Top Width (feet)	30	
Comments Dam General		
Year(s) of Modifications	1997	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	near left end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	1969.1	
Emergency Spillway Length (feet)	200	
Maximum Emergency Spillway Discharge Capacity (cfs)	47,300	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,960	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	other	
Number of Gates	6	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	tainter(radial)	
Elevation of Outlet Works (feet above MSL)	1,885.0	
Discharge Capacity of Outlet Works (cfs)	35,000.0	
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)	0	
River Basin	Colorado	
Stream	South Concho River, Spring Creek, and Middle Concho River	
County	Tom Green	
Nearest town	San Angelo	
Distance from Nearest Town (miles)	8 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	31.3767	
Dam Central Longitude	-100.5167	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	29,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C1318	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	170,000	
Priority Date(s)	05/06/1959	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Upper Nueces Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☑ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☑ No

Thank you for your time!

		Comments
Name	Upper Nueces Lake	
Impoundment Name		
Dam Name	Upper Nueces Dam	
Owner	Zavala-Dimmit Counties WID No. 1	
Contact Person	Robert Wagner	
Telephone	830-374-3703	
Fax	no fax	
Email	no email	
Address	P.O. Drawer 729 Crystal City, TX 78839	
Elevation of TOC (feet)	598.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	7,590	
Original Surface Area at TOC (acre)	316	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	5,200	
Last Survey Conservation Pool Capacity (acre-feet)	5,200	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	316	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	2,160	
Contributing Drainage Area ($mile^2$)		
Main Purposes	irrigation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	598	
Dam Length (feet)	550	
Dam Height (feet)	60	
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications	1957 (Report 126) 1990 (NID	
Description of Modifications	1957: Spillway	
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	upstream of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	606	
Emergency Spillway Length (feet)	320 (Report 126), 270 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	0	
Service Spillway Type	uncontrolled	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	598	
Service Spillway Length (feet)	270	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	concrete, discharges flow to a regulating pool thence to river.	
Type of Gates	slide(sluice)	
Number of Gates	3	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		NONE
Generation Capacity (mW)		N/A
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)	559.5	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	0	
Year 2060 Yield (acre-feet)		
River Basin	Nueces	
Stream	Nueces River	
County	Zavala	
Nearest town	Crystal	
Distance from Nearest Town (miles)	6 miles N	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	28.7783	
Dam Central Longitude	-99.8283	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	8,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3082	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	4,010	
Priority Date(s)	05/23/1913, 10/05/1925,	
Hazard Classification	Significant	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Victor Braunig

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

* Added additional material for embankment Stabilization
* Lime Stabilized 3 slide areas (shallow slope failures)

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Brown & Root, Inc. Houston, TX Job E684

Do you have any representative photographs which the Texas Water Development Board can have?

Pictures can be made Available, None on file

☐ Yes ☒ No

Contact Eric Olson @ 210 353-3677

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No

Thank you for your time!

		Comments
Name	Victor Braunig Lake	
Impoundment Name		
Dam Name	Victor Braunig Plant Dam	
Owner	City Public Service	
Contact Person	~~A.W. Calle~~	Richard Peña
Telephone	~~210-353-3886~~	210 353 3960
Fax		
Email		
Address	P.O. Box 1771 San Antonio, TX 78296	
Elevation of TOC (feet)	507.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	26,500	
Original Surface Area at TOC (acre)	1,350	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	26,500	
Last Survey Conservation Pool Capacity (acre-feet)	26,500	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1,350	
Date of Last Survey	37582	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	9	
Contributing Drainage Area ($mile^2$)		
Main Purposes	industrial, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	516	
Dam Length (feet)	9,647	
Dam Height (feet)	80	
Top Width (feet)	18	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation (feet above MSL)	493	
Emergency Spillway Length (feet)	66 (Report 126), 74 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	16,944	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	493	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	2	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	Off	
Stream if Off-Channel	channel of San Antonio	
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	12,000	
Year 2060 Yield (acre-feet)	12,000	
River Basin	San Antonio	
Stream	Arroyo Seco	
County	Bexar	
Nearest town	Elmendorf	
Distance from Nearest Town (miles)	2 miles SW	

		Comments
Direction from Nearest Town	SW	
Dam Central Latitude	29.2413	
Dam Central Longitude	-98.3717	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	12,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C2161	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	26,500	
Priority Date(s)	04/13/1961	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Waco, Lake	
Impoundment Name		
Dam Name	Waco Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	455.0	462.0
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	152,500	original at TOC elevation 455
Original Surface Area at TOC (acre)	7,270	original at TOC elevation 455
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	144,830	199222 at TOC elev 462
Last Survey Conservation Pool Capacity (acre-feet)	144,546	198943
Last Survey Dead Pool Volume (acre-feet)	284	✓
Last Survey Area at TOC (acres)	7,194	8437 at TOC elev 462
Date of Last Survey	34700	January 1995
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	1,670	1652
Contributing Drainage Area (mile^2)		
Main Purposes	flood control, water supply	& recreation
Dam Type	earthfill	✓
Top of Dam Elevation (feet)	510	514.6 Top of Parapet wall 511.3 Top elevation
Dam Length (feet)	24,618	17381 ft (excluding spillway)
Dam Height (feet)	140	
Top Width (feet)	20	
Comments Dam General	earthfill with concrete spilway	
Year(s) of Modifications		Sept 1998 thru Apr 2000
Description of Modifications		Raised crest and Parapet wall
Emergency Spillway Type	controlled	
Emergency Spillway Location	center of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	465	
Emergency Spillway Length (feet)	560	
Maximum Emergency Spillway Discharge Capacity (cfs)	563,300	693000 cfs at maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	465	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	17	14
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	Bronnie-Dyer low flow gates
Elevation of Outlet Works (feet above MSL)	400.0	
Discharge Capacity of Outlet Works (cfs)		21500 cfs at maximum Design Water Surface
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	79,869	
Year 2060 Yield (acre-feet)	79,869	
River Basin	Brazos	✓
Stream	Bosque River	✓
County	McLennan	✓
Nearest town	Waco	✓
Distance from Nearest Town (miles)	2 miles W	✓

		Comments
Direction from Nearest Town	W	✓
Dam Central Latitude	31.584	31° 34' 46"
Dam Central Longitude	-97.202	97° 11' 51"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	79,870	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial	
Water Right or Application Number(s)	C2315, P5094	
Permit Number(s)	5094	
Latest Amendment	2315C	
Authorized Impoundment	192,062	
Priority Date(s)	01/10/1929, 04/16/1958, 02/21/1979, 09/12/1986, 01/21/1988	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Weatherford Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

Early 1990's - Raised dam and extended spillway

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer HDR Austin

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☒ No

Can you furnish them in a digital format?

☐ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☐ No

Thank you for your time!

		Comments
Name	Weatherford Water Storage Reservoir	
Impoundment Name		
Dam Name	Weatherford Dam	
Owner	City of Weatherford	
Contact Person	Sharon Hayes	
Telephone	817-598-4270	
Fax	817-598-4012	
Email	shayes@ci.weatherford.tx.us	
Address	P.O. Box 255 Weatherford, TX 76086	
Elevation of TOC (feet)	896.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	19,470	
Original Surface Area at TOC (acre)	1,210	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	18,714	
Last Survey Conservation Pool Capacity (acre-feet)	18,650	
Last Survey Dead Pool Volume (acre-feet)	69	
Last Survey Area at TOC (acres)	1,158	
Date of Last Survey	35886	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	109	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, irrigation, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	914	
Dam Length (feet)	4,055	
Dam Height (feet)	75	
Top Width (feet)	20	
Comments Dam General		
Year(s) of Modifications	1993	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	
Emergency Spillway Elevation (feet above MSL)	section 1: 903.0; section 2: 906.0	

		Comments
Emergency Spillway Length (feet)	section 1: 500 ft, section 2: 500 ft (Report 126); 500 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	68,800	
Service Spillway Type	uncontrolled	
Service Spillway Location	center of dam	
Service Spillway Elevation (feet above MSL)	896	
Service Spillway Length (feet)	102	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	semi circular drop inlet, discharge conuit 9x9 ft, 425 ft long note states : replaced for a labyrinth weir;	
Type of Gates	valve	
Number of Gates	3	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	857.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	2,750	
Year 2060 Yield (acre-feet)	2,000	
River Basin	Trinity	
Stream	Clear Fork Trinity River	
County	Parker	
Nearest town	Weatherford	
Distance from Nearest Town (miles)	7 miles E	

		Comments
Direction from Nearest Town	E	
Dam Central Latitude	32.7717	
Dam Central Longitude	-97.675	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	5,220	
Total Non Consumptive Use (Ac-Ft/Yr)	59400	
Type of Use, Non-Consumptive Diversion	industrial	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3356	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	19,470	
Priority Date(s)	08/16/1954, 12/01/1969	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☑ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

DAM SAFETY IMPROVMENTS INTAKE AREA 1993 HDR
RIP-RAP IMPROVMENTS WESTERN END OF SPILLWAY 1997 (CITY)

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer (HDR) R. SHOEMAKER P.E
(CITY) JAME HOTOPP P.E

Do you have any representative photographs which the Texas Water Development Board can have?

☑ Yes ☐ No

Can you furnish them in a digital format?

☑ Yes ☐ No RIP-RAP ONLY

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

			Comments
Name	Welsh Reservoir		
Impoundment Name	Swauano Creek Reservoir		Note - this is for our Welsh Power Plant
Dam Name	Swauano Creek Dam		
			National Inventory # 4357
Owner	AEP-Southwestern Electric Power Company		
Contact Person	Greg Carter		
Telephone	318-673-3831		903-746-4585
Fax	318-673-2742		don't have one that I regularly use
Email	wgcarter@aep.com		
Address	P.O. Box 21106 Shreveport, LA 71156		2400 FM 3251 Hallsville, Texas 75650
Elevation □of TOC (feet)		320	
Dead Pool Elevation (feet)			
Original Conservation □Pool Total Volume (acre-feet		23587	
Original Surface □Area at TOC (acre)		1269	1365
Original Dead Pool Volume (acre-feet)			
			I was not involved in the survey but I understand that our engineers questioned the accuracy. In part there was a section of the lake that the
Last Survey Conservation Pool Total Volume (acre-fe		20242	TWDB was not able to survey
Last Survey Conservation Pool Capacity (acre-feet)		18431	
Last Survey Dead Pool Volume (acre-feet)		1811	
Last Survey Area at TOC (acres)		1269	
Date of □Last Survey		37196	11/27&28/2001
Last Survey Performed by			TWDB
Total Drainage □Area (mile2)		21	21.2
Contributing Drainage □Area (mile2)			
Main Purposes	flood control		Industrial - steam electric
			based on your definitions page - it does have several zones of various earthfill
Dam Type	earthfill		construction materials
Top of Dam Elevation □(feet)		335	
Dam Length □(feet)		4610	4720
Dam Height□(feet)		60	60.5
Top Width□(feet)			20
	soil foundation, upstream facing concrete		soil cement on upstream face from
Comments Dam General	dam		elev 310 to 335
Year(s) of Modifications			
Description of Modifications			
Emergency Spillway Type	uncontrolled		
Emergency Spillway Location			right of dam
Emergency Spillway Elevation (feet above MSL)			326
Emergency Spillway Length (feet)		1500	1500 ft wide and about 1800 ft long
			40,500??? - I am basing this on the Flood Routing spillway rating curves from F&N drawing SOU 72022 sheet 4 of 4. Your number of 21840 appears to come from a March 1979 Phase 1 report where the max elevation is at
Maximum Emergency Spillway Discharge Capacity (c		21840	329.36 feet
Service Spillway Type		0	Morning glory (drop inlet)
Service Spillway Location			In front of dam near center
Service Spillway Elevation (feet above MSL)		320	
Service Spillway Length (feet)			14 ft OD at mouth reduced to 7 ft ID in neck
			1500 - I am basing this on the Flood Routing spillway rating curves from F&N drawing SOU 72022 sheet 4 of 4
Maximum Service Spillway Discharge Capacity (cfs)			351 ft from centerline of Morning glory to stilling basin. Conduit under dam is
Comments Service Spillway Information			generally 8 ft wide by 7 ft tall.
Type of Gates	valve		none
Number of Gates		2	0
Maximum Gate Release Capacity (cfs)			
Hydropower (Y/N)	N		

No. of Hydropower Units			
Generation Capacity (mW)			
Type of Outlet Works		0	2 each 18 inch butterfly valves in 18 inch concrete cylinder pipe
Elevation of Outlet Works (feet above MSL)			295
Discharge Capacity of Outlet Works (cfs)			unknown
Elevation of Water Supply Outlet (in Dam)			
Discharge Capacity of Water Supply Outlet in Dam (c			
Location of Reservoir Water Supply Outlets			
On or Off Channel (ON/OFF)	on		
Stream if Off-Channel			
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY		
Year 2010 Yield (acre-feet)		3739	Is this from TCEQ's WAM? Or F&N design? Please provide documentation to me.
Year 2060 Yield (acre-feet)		3739	
River Basin	Cypress		from DB07
Stream	Swauano Creek		
County	Titus		
Nearest town	Daingerfield		Cason
Distance from□Nearest Town (miles)	5 miles W		1 mile NW
Direction from Nearest Town	W		
Dam □Central Latitude		33.044	
Dam □Central Longitude		-94.8333	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)		17000	
Total Non Consumptive Use (Ac-Ft/Yr)			
Type of Use, Non-Consumptive Diversion		0	
Type of Use, Multiple Purpose Consumptive Diversio		0	
Water Right or Application Number(s)	C4576		COA 04-4576
Permit Number(s)			2926
Latest Amendment	A		12/16/2002
Authorized Impoundment		23587	
Priority Date(s)	09/10/1973		
Hazard Classification	High		

* Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct

W/White Oak Creek Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☒ Yes ☐ No ☐ Unknown

If so, what modifications were made and when?

Two foot "I" beam installed in spillway to raise the level of the lake two feet

May we contact the design engineer for additional information or for copies of the plans?

☒ Yes ☐ No ☐ Unknown

Design Engineer Freese and Nichols

Do you have any representative photographs which the Texas Water Development Board can have?

☒ Yes ☐ No Repairs have been made since these pictures were taken.

Can you furnish them in a digital format?

☒ Yes ☐ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☒ Yes ☐ No

Thank you for your time!

		Comments
Name	Sulphur Springs, Lake	
Impoundment Name		
Dam Name	White Oak Creek Dam	
Owner	City of Sulphur Springs	
Contact Person	Robert Lee	
Telephone	903-885-7541	903-439-2891
Fax	903-885-0306	
Email	rleecss@koyote.com	rlee@sulphursprings tx. org
Address	125 South Davis Sulphur Springs, TX 75482	
Elevation of TOC (feet)	459.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	14,160	
Original Surface Area at TOC (acre)	1,340	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	17,838	
Last Survey Conservation Pool Capacity (acre-feet)	17,838	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1,340	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	66	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation (feet)	474	
Dam Length (feet)	6,232	
Dam Height (feet)	44 (Report 126); 34 (NID 2006)	
Top Width (feet)	20	
Comments Dam General	legnth includes service spillway	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	left end of the dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	462	
Emergency Spillway Length (feet)	275 (Report 126); 800 (NID 2006)	
Maximum Emergency Spillway Discharge Capacity (cfs)	49,800	
Service Spillway Type	controlled	
Service Spillway Location	near center of dam	
Service Spillway Elevation (feet above MSL)	441 (gated), 457 (ungated)	459 (ungated)
Service Spillway Length (feet)	45 ft (gated), 20 ft (ungated)	
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	concrete ogee, four vertical gates, Farm to Market Road 2285 bridge over stiling basin.	
Type of Gates	roller	
Number of Gates	4	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	none	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	9,800	
Year 2060 Yield (acre-feet)	9,800	
River Basin	Sulphur	
Stream	White Oak Creek	
County	Hopkins	
Nearest town	Sulphur Springs	
Distance from Nearest Town (miles)	2 miles N	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	33.1733	
Dam Central Longitude	-95.61	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	9,800	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4811	
Permit Number(s)		
Latest Amendment	B	
Authorized Impoundment	17,838	
Priority Date(s)	07/24/1951	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	White River Lake	
Impoundment Name		
Dam Name	Al O'Brien Dam	
Owner	White River Municipal Water District	
Contact Person	Mickey Rogers	
Telephone	806-263-4240	
Fax	806-263-4474	
Email	no email	
Address	HCR2 Box 141 Spur, TX 79370	
Elevation of TOC (feet)	2,369.2	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	38,600	
Original Surface Area at TOC (acre)	1,808	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	31,846	
Last Survey Conservation Pool Capacity (acre-feet)	29,880	
Last Survey Dead Pool Volume (acre-feet)	1,966	
Last Survey Area at TOC (acres)	1,642	
Date of Last Survey	35247	
Last Survey Performed by		
Total Drainage Area ($mile^2$)	172	
Contributing Drainage Area ($mile^2$)		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation (feet)	2,385	
Dam Length (feet)	3,300	
Dam Height (feet)	84 (Report 126); 85 (NID 2006)	
Top Width (feet)	30	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	2384	
Emergency Spillway Length (feet)	1100	
Maximum Emergency Spillway Discharge Capacity (cfs)	91,120	
Service Spillway Type	uncontrolled	
Service Spillway Location	center of dam	
Service Spillway Elevation (feet above MSL)	crest: 2369.2 and invert to low outlet: 2330.75	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information	conuit size 5x5 ft	
Type of Gates	valve	
Number of Gates	5	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works (feet above MSL)	2,323.0	
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	2,431	
Year 2060 Yield (acre-feet)	8	
River Basin	Brazos	
Stream	White River	
County	Crosby	
Nearest town	Crosbyton	
Distance from Nearest Town (miles)	16 miles SE	

		Comments
Direction from Nearest Town	SE	
Dam Central Latitude	33.4567	
Dam Central Longitude	-101.0853	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	6,000	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C3693	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	44,897	
Priority Date(s)	09/22/1958	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Al O' Brien

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☑ Yes ☐ No ☐ Unknown

Design Engineer Freese, Nichols and Endress

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☑ Yes ☐ No

Thank you for your time!

		Comments
Name	Whitney, Lake	
Impoundment Name		
Dam Name	Whitney Dam	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
Telephone	817-866-1538	
Fax	817-886-6472	
Email	paul.k.rodman@swf02.usace.army.mil	paul.k.rodman@usace.army.mil
Address	Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300	CESWF-EC-H
Elevation of TOC (feet)	533.0	✓
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	627,100	✓
Original Surface Area at TOC (acre)	23,560	✓
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	554,203	✓
Last Survey Conservation Pool Capacity (acre-feet)	553,349	✓
Last Survey Dead Pool Volume (acre-feet)	859	854
Last Survey Area at TOC (acres)	23,220	✓
Date of Last Survey	38504	June 2005
Last Survey Performed by		TWDB
Total Drainage Area (mile^2)	26,616	27189
Contributing Drainage Area (mile^2)	17,656	17623
Main Purposes	flood control, water supply, hydroelectric	power, recreation, fish/wildlife
Dam Type	gravity	
Top of Dam Elevation (feet)	584	584 Top of concrete dam 580 Top of earth embankment
Dam Length (feet)	17,695	✓
Dam Height (feet)	159	✓
Top Width (feet)	34(embankment) and 28 (spillway)	✓
Comments Dam General	concrete gravity and earthfill	✓
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	✓
Emergency Spillway Location	left end of the dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	533	
Emergency Spillway Length (feet)	680	
Maximum Emergency Spillway Discharge Capacity (cfs)	684,000	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	533	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	tainter(radial)	
Number of Gates	17	
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	Y	
No. of Hydropower Units	2	
Generation Capacity (mW)	30	
Type of Outlet Works	unknown	16 conduits through base of dam
Elevation of Outlet Works (feet above MSL)	448.8	448.83
Discharge Capacity of Outlet Works (cfs)	45,000.0	46400 cfs at top of flood control pool
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	18,336	
Year 2060 Yield (acre-feet)	18,336	
River Basin	Brazos	✓
Stream	Brazos River	✓
County	Hill, Bosque	✓
Nearest town	Whitney	✓
Distance from Nearest Town (miles)	5.5 miles SW	✓

		Comments
Direction from Nearest Town	SW	✓
Dam Central Latitude	31.8727	31° 51' 55"
Dam Central Longitude	-97.36667	97° 22' 18"
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	18,336	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	Municipal, Industrial	
Water Right or Application Number(s)	C5157	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	50,000	
Priority Date(s)	08/30/1982	
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

		Comments
Name	Cisco, Lake	
Impoundment Name		
Dam Name	Williamson Dam	
Owner	City of Cisco/Water Department	
Contact Person	~~Michael Moore~~	Tim Bacon
Telephone	254-442-2111	
Fax	254-442-3632	
Email	~~ciscocit@eastland.net~~	ciscomanager@sbcglobal.net
Address	P.O. Box 110 Cisco, TX 76437	
Elevation of TOC (feet)	1,520.0	
Dead Pool Elevation (feet)		
Original Conservation Pool Total Volume (acre-feet)	26,000	
Original Surface Area at TOC (acre)	1,050	
Original Dead Pool Volume (acre-feet)		
Last Survey Conservation Pool Total Volume (acre-feet)	8,800	
Last Survey Conservation Pool Capacity (acre-feet)	8,800	
Last Survey Dead Pool Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	1,050	
Date of Last Survey	n/a	
Last Survey Performed by		
Total Drainage Area (mile^2)	26	
Contributing Drainage Area (mile^2)		
Main Purposes	water supply, recreation	
Dam Type	concrete	
Top of Dam Elevation (feet)	1,529	
Dam Length (feet)	1,060	
Dam Height (feet)	133.5 (Report 126); 96 (NID 2006)	
Top Width (feet)		
Comments Dam General	slab and buttress, Roadway elevation 1,534.75 ft above msl	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Near Center of Dam	

		Comments
Emergency Spillway Elevation (feet above MSL)	1520	
Emergency Spillway Length (feet)	270	
Maximum Emergency Spillway Discharge Capacity (cfs)	25,600	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	1,520	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)		
Comments Service Spillway Information		
Type of Gates	none	
Number of Gates		
Maximum Gate Release Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works (feet above MSL)		
Discharge Capacity of Outlet Works (cfs)		
Elevation of Water Supply Outlet (in Dam)		
Discharge Capacity of Water Supply Outlet in Dam (cfs)		
Location of Reservoir Water Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	SY	
Year 2010 Yield (acre-feet)	1,340	
Year 2060 Yield (acre-feet)	1,340	
River Basin	Brazos	
Stream	Sandy Creek	
County	Eastland	
Nearest town	Cisco	
Distance from Nearest Town (miles)	4	

		Comments
Direction from Nearest Town	N	
Dam Central Latitude	32.44	
Dam Central Longitude	-98.98406	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)	2,027	
Total Non Consumptive Use (Ac-Ft/Yr)		
Type of Use, Non-Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application Number(s)	C4211	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	45,000	
Priority Date(s)	04/16/1920, 09/05/1978	INSPECTED 2006 / DAM INSPECTION/TCEQ
Hazard Classification	High	

*** Above are the current results of our review of your structure. Please provide your comments on the right if any of the information is not correct**

Williamson Dam

Texas Water Development Board
Update of Data for Report 126

Has your structure had any significant modifications since 1970?

☐ Yes ☑ No ☐ Unknown

If so, what modifications were made and when?

_____

_____

May we contact the design engineer for additional information or for copies of the plans?

☐ Yes ☐ No ☑ Unknown

Design Engineer _____

Do you have any representative photographs which the Texas Water Development Board can have?

☐ Yes ☑ No

Can you furnish them in a digital format?

☐ Yes ☑ No

May we have permission to share photographs or design information on your dam in the Freese and Nichols' archives with the Texas Water Development Board?

☐ Yes ☑ No

Thank you for your time!

APPENDIX D

DATABASE

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Abilene, Lake		Lake Abilene	Abilene Dam			Y	N	JD Trammel Et Al	R. C. Lewis Construction Co.	$212,000	Freese and Nichols, Inc. for repairs in 1941 and 1957	Chaney Construction	$ 2,356,832	NID 2006, Report 126	1981 work included raising of the dam 10 feet, widing of the emergency spillway, and drain work.	City of Abilene	Tommy O'Brien	325-676-6416	325-676-6458
Alan Henry Reservoir	Justiceburg Dam, Lake Alan Henry [	Lake Alan Henry	John T. Montford Dam	2006 NID Database	originally Justiceburg Reservoir	N	N	Freese and Nichols, Inc.	Granite Construction	$29,317,871	---	---	---	NID 2006		City of Lubbock	L. Wood Franklin	806-775-2343	806-775-2686
Alcoa Lake		Alcoa Lake				Y		Ebasco Services, Inc.	Ebasco Services, Inc.					NID 2006, Report 126		Alcoa, Inc. (Aluminum Company of America)	Jim Hodson	361-987-2631 ext 6505	512-466-8831
Amistad, International Reservoir		Amistad Reservoir	International Amistad Dam			Y		United States: US Army Corps of Engineers and IBWC; Mexico: Ministry of Hydraulic Resources, Mexico, D.F.	U.S.: Perini Corp. - Framingham, Massachusetts, Vinnell Corp. - Alhambra, CA, J.A. Jones Construction Co. - Charlotte, NC, C.H. Leavell & Co. - El Paso, TX; Mexico: Cia. La Victoria Y Asociados, S.A., Mexico, D.F.	Dam U.S.: $28,321,000; Dam Mexico: $22,072,000; Dam Total: $50,393,000; Powerplants U.S.: $6,140,000; Powerplants Mexico: $4,488,000; Powerplants Total: $10,628,000; Total U.S.: $34,461,000; Total Mexico: $26,560,000; Grand Total: $61,021,000				NID 2006, Report 126		International Boundary & Water Comm. (United States and Mexico)		915-832-4749	830-775-5956
Amon G Carter, Lake		Lake Amon G. Carter	Amon G. Carter Dam			Y	Y	Freese and Nichols, Inc.	John A. Petty	$320,046	HDR	Bosco and Sons	$5,491,000	NID 2006, Report 126, 1981 HDR Engr Report, 1985 O&M Manual for the Enlargement of Lake Amon G. Carter		City of Bowie	James Cantwell	940-872-1114 ext. 30	940-872-5702
Anahuac, Lake	Lake Charlotte	Lake Anahuac	Anahuac Dam		USGS Index of Stations shows this lake to be Lake Charlotte	Y	Y	Freese, Nichols, and Turner for Enlarged Project						Volumetric Survey: 2006		Chambers-Liberty County Navigation District	Mary Beth Stengler	409-267-3541	409-267-4042
Aquilla Lake		Aquilla Lake	Aquilla Lake	2006 NID Database		N		Army Corps of Engineers - SWF	Clearwater Construction	$6,080,123				NID 2006		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Arlington, Lake		Lake Arlington	Lake Arlington Dam		originally called Village Creek Dam	Y	Y	Freese and Nichols, Inc.	Key Construction Company	$3,833,710	Freese and Nichols, Inc.	Sprinkle and Sprout (2003 Dam Improvement Project); H.B. Zachry Company (1995 Parapet Wall); Thomco Construction, Inc. (1992 Outlet Structure Erosion Repair)	$1,738,687 (2003	NID 2006, Report 126		City of Arlington	Chuck Vokes	817-459-5889	817-496-4133
Arrowhead, Lake		Lake Arrowhead	Lake Arrowhead Dam			Y		Homer A. Hunter, Dallas; A.H. Wolverton, Austin	H.E. Cummins and Sons	$12,500,000				Report 126		City of Wichita Falls	Daniel Nix	940-691-1153	940-761-6873
Athens, Lake	Flat Creek Lake	Lake Athens	Lake Athens Dam	NID 2006		Y		Wisenbaker, Fix, and Associates (Report 126); Velvin & Weeks (NID 2006)	Elm Fork Construction Company	$361,000				Report 126		Athens Municipal Water Authority	Glen Herriage	903-677-1735	903-675-1333
Austin, Lake		Lake Austin	Tom Miller Dam			Y		Lower Colorado River Authority; Moran, Proctor and Freeman were consultants.	Lower Colorado River Authority	$3,479,309	Freese and Nichols, Inc.	ASI-RCC Inc	$10,536,300	Report 126		City of Austin. Built and operated by the Lower Colorado River Authority under lease expiring December 31, 2007.	James Earley	512-499-2000	512-972-0138

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
B A Steinhagen Lake	Dam "B"		Town Bluff Dam	NID 2006	Dam B	Y		Corps of Engineers-SWF	Reynolds, William & Noonan Construction Company	$8,749,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Ballinger / Lake Moonen, Lake	Lake Moonen	Ballinger Municipal Lake	Ballinger Municipal Lake Dam	NID 2006		N	Y	HDR						NID 2006		City of Ballinger	Randy Everett	325-365-3116	325-365-4846
Balmorhea, Lake	Balmorhea Lake Dam		Balmorhea Dam	NID 2006		Y		Department of Interior: Bureau of Reclamation	L.B. Westerman	$121,710				NID 2006, Report 126		Reeves County WID No 1	Abel Baeza	915-375-2238	915-375-0338
Bardwell Lake			Bardwell Dam			Y		Corps of Engineers-SWF	M & S Construction Company	$11,500,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Bastrop, Lake			Bastrop Dam			Y		Brown and Root	H.B. Zachry Company	$2,107,000				NID 2006, Report 126		Lower Colorado River Authority	Mike Lowe	512-473-3200 (office), 512-470-8864 (cell)	512-473-3551
Baylor Lake	Baylor Creek Reservoir		Baylor Creek Dam			Y	N	Dan Davis (D.T.M. Davis)						NID 2006, Report 126		City of Childress	Jerry Cumming	940-937-2102/3684	940-937-6420
Belton Lake			Belton Dam			Y		Corps of Engineers-SWF	J. W. Moorman and Son, Snyder Texas	$13,804,000				Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Benbrook Lake			Benbrook Dam			Y	N	Corps of Engineers-SWF	List & Clark Construction Company	$12,000,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Bob Sandlin, Lake	Cherokee Trail Lake		Fort Sherman Dam	Report 126	also called Cherokee Trail Lake	Y	N	URS/ Forrest and Cotton, Inc.	HB Zachry	$13,875,512				NID 2006, Report 126	Cost was split be	Titus County Fresh Water Supply DIS. #1	Tommy Spruill	903-572-1844	903-572-0164

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Bonham, Lake			Timber Creek Dam			Y		Wisenbaker, Fix, & Associates	Vibig Construction Company	$500,000				NID 2006, Report 126		Bonham Municipal Water Authority, City of Bonham	Mike Glass	903-583-7555	903-640-0172
Brady Creek Reservoir	Brady Dam		Brady Creek Dam	NID 2006		Y		Freese, Nichols, & Endress	Roland Sherear, Weatherford, Texas	$1,044,277				NID 2006, Report 126		City of Brady	Rufus Beam	325-597-2244	915-597-0556
Brandy Branch Cooling Pond	Pirkey Lake	Brandy Branch Cooling Pond	Brandy Branch Cooling Pond Dam		cooling for Pirkey power plant	N		Freese and Nichols, Inc.	Hetherton Co.	$5,407,659				NID 2006		AEP-Southwestern Electric Power Company	Greg Carter	903-746-4585	
Brazoria Reservoir		Brazoria Reservoir	Brazoria Dam			Y		C.C. Armstrong (NID 2006); Lockwood and Andrews (Report 126)	Gulf Bitulithic	$1,500,000				NID 2006, Report 126		Dow Chemical	Ernie Schreiber	979-238-7482	979-238-0355
Bridgeport, Lake			Bridgeport Dam			Y		Hawley, Freese and Nichols	McKenzie and Uvalde Construction Companies	$2,316,000	Freese, Nichols, and Endress	H.B. Zachry Company	$2,824,150	NID 2006, Report 126		Tarrant Regional Water District	David Marshall	817-335-2491	817-625-9112
Brownwood, Lake	Lake Brownwood Dam		Brownwood Dam	NID 2006		Y	Y	DW Ross	None: Various sub-contractors		Freese and Nichols, Inc.	Central Plains	$3,657,040 (raisi	NID 2006, Report 126		Brown County WID No. 1	Dennis Spinks	915-643-2609	915-646-3031
Bryan Utilities Lake	Lake Bryan	Bryan Utilites Lake	Bryan Utilities Lake Dam	2006 NID Database		N		Spencer Buchannan Assoc						Report 126		City of Bryan	Paul Casper	979-209-5030	979-821-5745
Buchanan, Lake			Buchanan Dam			Y		Fargo Engineering Co; Freeses and Nichols INC; U.S. Bureau of Reclemation; LCRA	Started by Fegles Construction Company, Finished by LCRA	$10,397,475	Freese and Nichols, Inc.			NID 2006, Report 126		Lower Colorado River Authority	Mark Jordan	512-473-3200	512-473-3551
Caddo Lake			Caddo Dam			Y		U.S. Army Corps of Engineers	Markwell N. Hartz Inc.	$3,173,609				Report 126		Northeast Texas Municipal Water District	Walt Sears	903-639-7538	903-639-2208
Calaveras Lake			Calaveras Creek Dam			Y		Black and Veatch	H.B. Zachry Company	$19,650,000				NID 2006, Report 126		City Public Service, San Antonio	Richard Pena	210-353-3860	
Canyon Lake			Canyon Dam			Y		Corps of Engineers-SWF	Tecon Corportation, Dallas, Tx	$20,079,500				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Casa Blanca Lake	Lake Casa Blanca Dam		Country Club Dam			Y		E.J. Foster and Terrell Bartlett	Webb County with its own equipment					NID 2006, Report 126		Webb County	Fitzgerald G. Sanchez, P.E.	956-523-4054	956-523-5008
Cedar Bayou Generating Pond		Cedar Bayou Generating Static	Cedar Bayou Generating Pond Levee	2006 NID Database		N		Ebasco Services Inc.						NID 2006		NRG Texas Power, LLC	Ted Long	713-795-6213	
Cedar Creek Reservoir Colorado	Lake Fayette	Cedar Creek Reservoir	Cedar Creek Dam			N		S J Groves				No. 2 - SA Construction Co., Inc. No. 4 (spillway 1962) Gibraltor Const. Co. No. 5 (spillway) Markham and brown No. 6 (spillway excavation) Roland Scherer	No 2 - $2,235,37	NID 2006		Lower Colorado River Authority	Mike Lowe	512-473-3200 (office), 512-470-8864 (cell)	512-473-3551

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Cedar Creek Reservoir Trinity			Joe B. Hogsett Dam			Y		Freese, Nichols, Endress	S.A. Construction Company(dam) Gibralter Construction Co (Spillway)	$20,500,000				NID 2006, Report 126	Gilbrater Construc	Tarrant Regional Water District	David Marshall	817-335-2491	817-625-9112
Champion Creek Reservoir			Champion Creek Dam			Y		Freese-Nichols and Endress	Moorman, Dewitt and Singleton	$1,142,830				NID 2006, Report 126 FNI files		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Cherokee, Lake			Cherokee Dam			Y	N	Powell & Powell	Gifford Hill	$658,182				NID 2006, Report 126		Cherokee Water Company	Tony Martin	903-643-3933	903-643-2717
Choke Canyon Reservoir	Choke Canyon Reservoir	Choke Canyon Reservoir	Choke Canyon Dam	2006 NID Database		N		Bureau of Reclamation	U.S. Bureau of Reclamation					NID 2006		Bureau Of Reclamation - USDOI operated by Corpus Christi	Norman Kuenstler	361-786-2641	361-786-3870
Cisco, Lake	Cisco Dam		Williamson Dam	NID 2006		Y	N	Elrod Engineering Company	Fristedt Construction Company	$1,500,000				NID 2006, Report 126		City of Cisco/Water Department	Jim Baker	254-442-2111	254-442-3632
Clyde, Lake			Upper Pecan Bayou WS Site 7 Dam			Y		USDA Soil Conservation Service	Ford Allen Construction Company	$270,000				NID 2006, Report 126		City of Clyde	Kevin Hagan	325-893-3402	325-893-5010
Coleman, Lake			Coleman Dam			Y		Forrest and Cotton Inc.	R. N. Adams Construction Co.	$1,227,648				NID 2006, Report 126		City of Coleman	Larry Weise	325-625-5114	325-625-5837
Coleto Creek Reservoir		Coleto Creek Cooling Pond	Coleto Creek Dam	2006 NID Database		N		URS/ Forrest and Cotton						NID 2006		American Electric Power	Mike Fields	361-788-5112	361-645-8137
Colorado City, Lake	Morgan Creek Dam		Colorado City Dam	NID 2006	Morgan Creek Dam	Y		Freese, Nichols and Endress	Harry Campbell					NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Conroe, Lake			Conroe Dam			Y	N	Freese, Nichols and Endress	Brown and Root Inc.	$11,104,000				NID 2006, Report 126	$11,104,000 cost	San Jacinto River Authority	W.B. Kellum	Conroe 936-588-1111, Metro 936-447-5260	936-588-1114
Corpus Christi, Lake			Wesley E. Seale Dam			Y	Y	Ambursen Engineering Company	H.B. Zachry Company	$21,936,000	Freese and Nichols, Inc.	ASI-RCC (stabilization); Abhe & Svoboda (gate rehab)	$16402085 (stabi	NID 2006, Report 126	$9,779,200 cost c	City of Corpus Christi	Lou E. Hilzinger	361-826-1221	361-547-3159
Creek Lake, Lake			Lake Creek Dam			Y		Ebasco Services, Inc. New York	Austin Road Company					NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Crook, Lake			Crook Dam			Y		John W. Cooke	Denison, and Buchner, and McGuier and Cavander	$250,000				NID 2006, Report 126		City of Paris	Doug Harris	903-784-2464	903-784-4809
Cypress Springs, Lake			Franklin County Dam			Y	Y	Wisenbaker, Fix and Associates, Hayter Engineering	Villbig Construction Company	$1,270,000	Freese and Nichols, Inc.	Earthbuilders	4,000,000	NID 2006, Report 126	flattening the dow	Franklin Co Water District	David Weidman	903-537-4536	903-537-4538
Daniel, Lake			Gonzales Creek Dam			Y	N	Freese & Nichols	Brazos Valley Construction Company	$363,000				NID 2006, Report 126	$204,819 cost of	City of Breckenridge	Gary Ernest	254 559-8287	254-559-7322
Davis, Lake		Lake Davis	Lake Davis Dam	NID 2006		N		Freese & Nichols						NID 2006		Eagle Ranch, Inc.	Troy Powell	940-454-2010 or 940-459-2010	
Diversion, Lake			Lake Diversion Dam			Y		R.A. Thompson, Wichita Co WID #1, Biggs and Matthews	W. E. Callahan Construction Company					NID 2006, Report 126		Wichita CWID #2 & City of Wichita Falls	Kyle Miller	940-767-6721	940-767-6722
Dunlap, Lake	Lake Dunlap Dam		Dunlap TP-1 Dam	NID 2006		Y		Fargo Engineering Co.	Sumner and Sollet					NID 2006, Report 126		Guadalupe-Blanco River Authority	Tommy Hill	830-379-5822	830-379-1766
E V Spence Reservoir			Robert Lee Dam			Y		Freese, Nichols and Endress	Clement Bros. Co., Hickory N.C.	$8,913,440				NID 2006, Report 126		Colorado River Municipal Water District	John Grant	915-267-6341	915-267-3121
Eagle Lake			Eagle Lake Dam		Rachel A. Ickert: Not in NID 2006, but in Previous Report 126	Y		William Dunovant	William Dunovant					Report 126		Lower Colorado River Authority	Mike Lowe	512-473-3200 (office), 512-470-8864 (cell)	512-473-3551
Eagle Mountain Lake	Eagle Mountain Lake		Eagle Mountain Dam			Y		Hawley, Freese and Nichols	McKenzie and Uvalde Construction Companies	$3,637,000	Freese, Nichols, and Endress	Guy H. James Construction Co.	$2,565,679	NID 2006, Report 126		Tarrant Regional Water District	David Marshall	817-335-2491	817-625-9112
Eagle Nest Lake					Rachel A. Ickert: Not in NID 2006, JJR: not in Report 126, Volumetric survey has not been completed. Unable to find any infromation in FNI files.	N										Spanish Trail Land and Cattle Company			

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Electra, Lake		Lake Electra	Lake Electra Dam	NID 2006		N		Freese & Nichols						NID 2006		City of Electra	David Simon	940-495-2146	940-495-3025
Ellison Creek Reservoir	Lone Star Lake		Ellison Creek Dam			Y	Y	Freese and Nichols, Inc.			Freese and Nichols, Inc.	Eagle Construction and Environmental Services	$567,041	NID 2006, Report 126	modifications incl	U.S. Steel Tubular Products, Inc.	Ronnie Rouse	903-656-6244	903-656-7464
Fairfield Lake	Big Brown Creek Lake		Fairfield Dam	NID 2006	Big Brown Creek Lake	Y		Forrest and Cotton, Inc.	Spencer Construction Company	$2,600,000				NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-812-8403	214-875-8333
Falcon, International Reservoir			International Falcon Dam			Y		U.S. Bureau of Reclamation and International Boundary and Water Commission	Joint Venture of: C.F. Lytel Co. - Sioux City, Iowa, Foley Bros., Inc. - Saint Paul, Minn. Massman Construction Co. - Kansas City, Mo. Tellepden Construction Co. -Houston, TX. Edward Peterson Co. - Omaha Nebraska	Dam: $19,576,500 US; $13,830,500 MEX; $33,407,00 Total. Power Plants: $6,329,000 US; $6,329,000 MEX; $12,658,000 Total. Totals: $25,905,500 US; $20,159,500 MEX. $46,065,000				NID 2006, Report 126		International Boundary & Water Comm.	Michael P. Evans	915-832-4795	956-848-5426
Lake Nocona	Farmers Creek Reservoir		Lake Nocona Dam		originally Farmers Creek Reservoir/Dam	Y	Y	Freese & Nichols	Gilvin & Terrill, Inc.	$395,005	Freese and Nichols, Inc.	G&R Patrick, Inc.	$107,250	NID 2006, Report 126		North Montague Co WSD	Revell Hardison	940-825-3282	940-825-6240
Forest Grove Reservoir		Forest Grove Reservoir	Forest Grove Dam			N		Freese & Nichols	Central Plains Contracting Co.	$6,835,810				NID 2006		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Fork Reservoir, Lake		Lake Fork Reservoir	Lake Fork Dam			N		URS, Forest and Cotton Inc.	Holloway Const. Co.	$16,689,470				NID 2006		Sabine River Authority of Texas	Donnie Henson	409-746-2192	409-746-3780
Fort Phantom Hill, Lake			Fort Phantom Dam			Y		Hawley, Freese and Nichols	Cage Brothers and J.C. Ruby	$975,168				NID 2006, Report 126		City of Abilene	Tommy O'Brien	325-676-6419	325-676-6458
Georgetown, Lake	North San Gabriel Dam		North Fork (San Gabriel River) Dam	NID 2006		Y		Corps of Engineers, Fort Worth District		$22,900,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Gibbons Creek Reservoir		Gibbons Creek Reservoir	Gibbons Creek Dam	NID 2006		N		Freese & Nichols Inc	H. B. Zachry Company	$9,962,961				NID 2006		Texas Municipal Power Agency	Gary Parsons	936-873-1100	936-873-1183
Gilmer, Lake	Kelsey Creek Dam	Lake Gilmer	Lake Gilmer Dam	NID 2006		N	N	NRS Consulting Engineers, Inc. Texarkana						NID 2006		City of Gilmer	Danny Lancaster	903-843-8209	903-843-8208
Gonzales (H-4), Lake	Lake Gonzales Dam		H-4 Dam	NID 2006		Y		Fargo Engineering Company (Report 126), Forrest and Cotton Inc. (NID 2006)	Sumner and Sollet					NID 2006, Report 126		Guadalupe-Blanco River Authority	Tommy Hill	830-379-5822	830-379-1766
Graham, Lake			Eddleman Dam	Volumetric Survey of	Lake Eddleman became a part of Lake Graham in 1959	Y		Freese & Nichols	Womak-Henning Construction Company	$237,100	Freese & Nichols	Weldon C. Jourdan	$486,490	NID 2006, Report 126	Originally 2 separ	City of Graham	Larry M. Fields	940-549-3324	940-549-5030
Granbury, Lake			De Cordova Bend Dam			Y		Ambursen Engineering Company	H.B. Zachry Company	$7,800,000				NID 2006, Report 126		Brazos River Authority	Phil Ford	254-761-3100	254-761-3205
Granger Lake	Laneport Lake		Laneport Dam			Y		U.S. Army Corps of Engineers		$52,300,000		JD Adams	$ 18,682,343	NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Grapevine Lake			Grapevine Dam			Y		U.S. Army Corps of Engineers	T.L. James, Inc., and Gullian Brothers, Ruston, Louisiana	$11,753,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Greenbelt Lake			Greenbelt Dam			Y		Freese, Nichols and Endress	RN Adams	$1,795,514				NID 2006, Report 126	Report 126 states	Greenbelt MIWA	Bobbie Kidd	806-874-3650	806-874-3223
Galveston County Reservoir	Texas City Reservoir, Gulf Coast W	Galveston County Water Reser	Galveston County Water Reservoir Da	NID 2006		N		Ford, Bacon and Davis								Gulf Coast Water Authority	Robert Istre	281-337-3403	409-935-4156
Halbert, Lake			Halbert Dam			Y		J.W . Harrison						NID 2006, Report 126		City of Corsicana	Larry Murray	903-654-4884	903-654-4892
Hords Creek Lake	Hords Creek Lake		Hords Creek Dam	NID 2006		Y		U.S. Army Corps of Engineers	List and Clark Construction Company	$2,857,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Houston County Lake	Houston County Lake Dam	n/a	Houston County Dam	NID 2006		Y	N	Llyod Engineers and Freese, Nichols and Endress.	Spencer Construction Company	$500,000				NID 2006, Report 126		Houston Co WCID No 1	Tex Terry	936-544-3985	936 545-2415

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Houston, Lake			Lake Houston Dam		originally called San Jacinto River Dam	Y	Y	Ambursen Engineering Company; Ebasco engineering Consultants	Elmer Gardner Construction Company, and Swope Brothers	$14,850,000	Brown and Root, Inc.	George Consolidated	$2,700,000	NID 2006, Report 126		City of Houston operated by Coastal Water Authority	Jerry Berry	713-658-9020	713-658-9429
Hubbard Creek Reservoir			Hubbard Creek Dam			Y	Y	Freese, Nichols and Endress	Nolan Brothers Inc.	$3,589,497	Freese and Nichols, Inc.	Robert L. Carroll (1989 Riprap Repair); Robert L. Carroll (1993 Spillway Repairs)	$368,121 (1989 F	NID 2006, Report 126		West Central Texas Municipal Water District	David Bell	915-673-8254	915-673-8272
Hubert H Moss Lake	Moss Lake Dam		Fish Creek Dam	NID 2006		Y		Freese, Nichols and Endress	Longview Construction Company	$820,760	HDR			NID 2006, Report 126		City of Gainesville	Ron Sellman	940-668-4540	940-668-4536
Imperial Reservoir			Imperial Dam	NID 2006		N										Pecos Co WID 2	Jonnie Sherwood	915-536-2291	915-536-2292
Inks Lake			Roy Inks Dam			Y	Y	Fargo Engineering Company, LCRA	Morrison-Knudsen Company for the dam, LCRA for the power features.	$2,079,738	Freese and Nichols, Inc.			NID 2006, Report 126		Lower Colorado River Authority	Mark Jordan	512-473-3200	512-473-3551
J B Thomas, Lake	Lake J.B Thomas Dam		Colorado River Dam	NID 2006		Y	N	Freese, Nichols and Endress	J.W. Moorman and Son	$1,452,877				NID 2006, Report 126		Colorado River Municipal Water District	John Grant	915-267-6341	915-267-3121
Jacksonville, Lake	Gum Creek Dam		Buckner Dam	NID 2006		Y		Wisenbaker Fix and Associates	Meneffee Brothers	$675,000				NID 2006, Report 126		City of Jacksonville	Will Cole	903-589-3510	903-586-4809
Jim Chapman Lake	Cooper Lake		Cooper Dam			Y		U.S. Army Corps of Engineers - Fort Worth District						NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Joe Pool Lake	Lakeview Dam	Joe Pool Lake	Joe Pool Lake Dam	NID 2006	Lakeview Dam	N		Corps of Engineers - SWF						NID 2006		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Johnson Creek Reservoir	Wilkes Lake		Johnson Creek Dam		cooling for Wilkes power plant	Y		Freese, Nichols and Endress	Douglas A. Lott	$354,604				NID 2006, Report 126		AEP-Southwestern Electric Power Company	Greg Carter	903-746-4585	
Kemp, Lake			Lake Kemp Dam			Y		Robert A. Thompson, Tulsa Corps of Engineers			U.S. Army Corps of Engineers- Tulsa District	Amis Construction Company	$8,000,000	NID 2006, Report 126	Lake Diversion D	Wichita CWID #2 & City of Wichita Falls	Kyle Miller	940-767-6721	940-767-6722
Kickapoo, Lake			Lake Kickapoo Dam			Y		F.M. Rugeley and A.J. Gates	Miles Construction Company	$3,500,000				NID 2006, Report 126		City of Wichita Falls	Daniel Nix	940-761-7477	940-761-6873
Kirby, Lake			Kirby Dam			Y		Nigel, Witt, Rollins and Gilchrist. W.A. Riney, city engineer	Womack	$180,000				NID 2006, Report 126		City of Abilene	Tommy O'Brien	325-676-6419	325-676-6458
Kurth, Lake	Lake Kurth Dam		Kurth Dam	NID 2006		Y		Lockwood, Andrews and Newman.	Brown and Root Inc.	$2,500,000				NID 2006, Report 126		Abitibi Consolidated Industries	David Rusk	936-633-1389	936-633-1234
Lavon Lake			Lavon Dam			Y		U.S. Army Corps of Engineers - SWF	J.W. Moorman & Son, Snyder, TX.	$12,500,000	U.S. Army Corps of Engineers- SWF	H.B. Zachary & Company,	$53,900,000	NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Leon, Lake	Lake Leon Dam		Leon Dam	NID 2006		Y		Freese, Nichols and Endress; Jacob and Martin	McCorstin Consturction Company Forth Worth, Texas	$396,392				NID 2006, Report 126	$384,000 estimat	Eastland County Water Supply District	W.G. Powell	254-631-5814	254-647-1727
Lewis Creek Reservoir	Texas Lake #10050		Lewis Creek Dam			Y		Brown and Root	Brown and Root Inc.	$3,685,150				NID 2006, Report 126	costs include pipe	Entergy	Manuel Montalvo	936-856-0623 (office); 936-520-9010 (cell)	936-856-0644
Lewisville Lake	Garza Little-Elm Dam		Lewisville Dam			Y	Y	U.S. Army Corps of Engineers- SWF	Edward Morgan Company and Jones & Gillis, Jackson Mississippi	$21,971,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Limestone, Lake		Lake Limestone	Sterling C. Robertson Dam			N		URS Forrest & Cotton Inc.	Texas Bitulithic Co.	$15,678,576				NID 2006		Brazos River Authority	Phil Ford	254-761-3100	254-761-3205
Livingston, Lake			Livingston Dam			Y	Y	Brown and Root Inc.; Forrest and Cotton for construction.	Markham and Brown Company and Whittle Construction Company	$16,286,132				NID 2006, Report 126		Trinity River Authority	Robert R. Stevens	936-295-5485	936-295-9116
Loma Alta Lake	Res. 1A, 1B ,2, & 3 (2 & 3 have not	None	Loma Alta Dam		Rachel A. Ickert: Not in NID 2006, but in Previous Report 126	Y		Siglar, Clark and Winston.						Report 126		Brownsville Navigation District	Eduardo A. Campirano	956-831-4592	956-831-5006
Lost Creek Reservoir		Lost Creek Reservoir	Lost Creek Dam	NID 2006		N	Y	HDR Engineering						NID 2006		City of Jacksboro	Thomas Rhoades	940-567-6321	

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Lyndon B Johnson, Lake			Alvin Wirtz Dam			Y	Y	Fargo Engineering Company; Lan Christenson Company (MOD)	Brown and Root Inc.	$9,725,934	Freese and Nichols, Inc.	Barnard	$ 7,737,750	NID 2006, Report 126		Lower Colorado River Authority	Mike Lowe	512-473-3200 (office), 512-470-8864 (cell)	512-473-3551
Mackenzie Reservoir			Mackenzie Dam			Y		Freese, Nichols and Endress	Gilvin & Terrill, Inc.	$2,636,390				NID 2006, Report 126		Mackenzie Municipal Water Authority	Tom Davey	806-633-4326	806-633-4318
Manor Lake			Lake Manor Dam	Lake Manr Dam Phase I Inspection Report		N													
Marble Falls, Lake			Max Starcke Dam			Y	Y	Fargo Engineering Company (Report 126), Freese and Nichols Inc. (NID 2006)	Brown and Root Inc.	$6,768,395	Freese and Nichols, Inc.			NID 2006, Report 126		Lower Colorado River Authority	Mark Jordan	512-473-3200	512-473-3551
Martin Lake			Martin Lake Dam			Y		Forrest and Cotton						NID 2006		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Medina Lake			Medina Dam			Y		Bartlettand Ranney, San Antonio		$2,739,300				NID 2006, Report 126	This project inclu	Bexar-Medina-Atascosa Counties WCID #1	Ed Berger	830-665-2132	830-663-3519
Meredith, Lake			Sanford Dam			Y	N	U.S. Bureau of Reclamation	H.B. Zachry Company	$17,868,160				NID 2006, Report 126		US Bureau of Reclamation	Kent Satterwhite	806-865-3325	806-865-3314
Millers Creek Reservoir			Millers Creek Dam			Y	N	Freese, Nichols and Endress	J.H. Strain and Sons	$1,204,960				NID 2006, Report 126		North Cent Tex MWA Et Al	David Kuehler	940-422-4051	940-422-4385
Mineral Wells, Lake	Lake Mineral Wells Dam		Mineral Wells Dam	NID 2006		Y	Y	McClendon Engineering Company			Joe Rady			NID 2006, Report 126		City of Mineral Wells	Lance Howerton	940-328-7703	
Mitchell County Reservoir		Mitchell County Reservoir	Mitchell County Reservoir Dam	NID 2006		N		Freese and Nichols, Inc.	T.L. James and Company	$4,094,315				NID 2006		Colorado River Municipal Water District	John Grant	915-267-6341	915-267-3121
Monticello Reservoir			Monticello Dam			Y		Forrest and Cotton	List & Clark Construction Company	$4,500,000				NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Mountain Creek Lake			Mountain Creek Dam			Y	N	Phoenix Engineering Company. Floyd & Lockridge Consulting Engineers.	Texas Construction Company	$940,000				NID 2006, Report 126		Exelon Generation	Randy Tipton	214-623-1018	214-623-1096
Murvaul, Lake	Murvaul Bayou Dam	Murvaul Bayou Reservoir	Murvaul Dam	NID 2006		Y		C.P. Smith and Associates, Forrest and Cotton	Markham and Brown Company; McMullin and Lavon	$1,600,000				NID 2006, Report 126		Panola County Fresh Water SD #1	Wade Kirk	903-693-6562	
Nacogdoches, Lake		Lake Nacogdoches	Bayou Loco Dam	NID 2006		N		Freese and Nichols, Inc.	Talon Construction Co.	$2,992,915				NID 2006		City of Nacogdoches	Wayne Shepherd	936-559-2583	same as phone so call first to inform
Nasworthy, Lake			Nasworthy Dam			Y	N	Floyd and Lockridge, Dallas, Texas	Callahan Construction Company	$376,600				NID 2006, Report 126	new gates in 200	City of San Angelo	W.H. Wilde	325-657-4209	936-559-2589
Navarro Mills Lake			Navarro Mills Dam			Y		U.S. Army Corps of Engineers - SWF	Austin Bridge Company, Dallas, Texas. H.N. Rogers and Sons, Memphis, Tennesse	$9,598,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	325-655-4397
New Terrell City Lake	Cedar Creek WS SCS Site 87A Dan		New Terrell City Lake	NID 2006		Y		Joe E. Ward	John A. Petty	$169,900	USDA-SCS	James Payne	54,140	NID 2006, Report 126	Dam raised and s	City of Terrell	Sonny Groessel	972-551-6609	817-886-6472
North Fork Buffalo Creek Reservoir	Lake Buffalo		North Fork Buffalo Creek Dam			Y		Ernest L. Andrews	Brown and Blakney, Inc.	$542,880				NID 2006, Report 126		City of Iowa Park	Belvin Lytle	940-592-2642	972-551-6682
North Lake			North Lake Dam			Y		Ebasco Services Inc.	Vilbig Construction Company	$550,000				NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	940-592-4793
O C Fisher Lake	San Angelo Reservoir, San Angelo L		OC Fisher Dam	NID 2006	San Angelo Dam	Y		U.S. Army Corps of Engineers - SWF	Inston Brothers Company, Taylor Wheels Company	$16,200,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	214-875-8333

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
O H Ivie Reservoir	Stacy Dam	O.H. Ivie Reservoir	S.W. Freese Dam	NID 2006	Stacy or Simon Freese Dam	N	N	Freese and Nichols, Inc.	Brown and Root Inc.	$31,843,757				NID 2006		Colorado River Municipal Water District	John Grant	915-267-6341	915-267-3121
O' the Pines, Lake			Ferrells Bridge Dam			Y		U.S. Army Corps of Engineers - New Orleans District	Potashnick Construction Co. Inc.	$13,405,475				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	
Oak Creek Reservoir			Oak Creek Dam			Y		Freese, Nichols and Endress	Harry Campbell, Fort Worth, Texas	$411,113				NID 2006, Report 126		City of Sweetwater	Mickey Rogers	915-236-6952	
Olney / Lake Cooper, Lake	Lake Cooper Dam		Lake Olney Dam	NID 2006	Two different Dams	N		Ernest L. Andrews						NID 2006		City of Olney	Ronnie Stroud	940-564-5317	940-564-5496
Palestine, Lake			Blackburn Crossing Dam			Y		Forrest and Cotton Inc. Jones and Boyd Inc.		$1,950,000		Wm. A. Smith Construction Co., Inc.	$13,872,000	NID 2006, Report 126		Upper Neches River Municipal Water Authority	Monty D. Shank	903-876-2237	903-876-5200
Palo Duro Reservoir	Lake Palo Duro	Palo Duro Reservoir	Palo Duro Dam	NID 2006		N	N	Freese and Nichols, Inc.	Central Plains	$17,206,100				NID 2006		Palo Duro River Authority	Jim Derington	806-882-4401	806-882-4403
Palo Pinto, Lake	Lake Palo Pinto Dam		Palo Pinto Creek Dam	NID 2006		Y		Freese, Nichols and Endress	Longview Construction Company	$594,400				NID 2006, Report 126		Palo Pinto County MWD No. 1	Scott Blazer	940-328-7712	940-325-5906
Pat Cleburne, Lake			Cleburne Dam			Y	N	Hunter Associates	Moorman and Singleton	$1,316,600				NID 2006, Report 126		City of Cleburne	Bill Pannell	816-645-0957/641-3321	817-645-0926
Pat Mayse Lake			Pat Mayse Dam			Y		Corps of Engineers - SWT		$9,000,000				NID 2006, Report 126		Corps of Engineers-SWT	Ronald Bell	918-669-7093	918-669-7536
Peacock Site 1A Tailings Reservoir		Peacock Site 1A Tailing Reser	Peacock Site 1A Tailings Reservoir D	NID 2006		N	N	Freese and Nichols, Inc.	Central Plains Contracting Co.					NID 2006		U.S. Steel Tubular Products, Inc.	Ronnie Rouse	903-656-6244	903-656-7464
Pinkston Reservoir	Sandy Creek Reservoir	Pinkston Reservoir	Pinkston Dam	NID 2006		N		Wisenbaker Fix and Associates						NID 2006		City of Center	John Holt	936-598-7739	936-598-2615
Possum Kingdom Lake			Morris Sheppard Dam			Y	Y	Ambursen Engineering Company	C.F. Lytle and A.L. Johnson	$7,000,000	Freese and Nichols, Inc.	ballast - ASI-RCC Inc stilling basin - Martin K Eby	ballast - $6,729,000 stilling basin - $3,515,383	NID 2006, Report 126		Brazos River Authority	Phil Ford	254-761-3100	254-761-3205
Proctor Lake			Proctor Dam			Y		U.S. Army Corps of Engineers - SWF	Armstrong, Armstrong, and J.H.Ryan and Son, Inc., Roswell, NM.	$5,752,110				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Ray Hubbard, Lake	Forney Dam		Rockwall-Forney Dam		Also called Forney Dam	Y	N	Forrest and Cotton, Inc. Jones and Boyd, Inc.	S. & A. Construction company; Markham, Brown and W.C. Construction Company	$26,100,000	Forrest and Cotton			NID 2006, Report 126	Downstream berr	City of Dallas/DWU	Charlie Stringer	214-670-1201	214-670-3154
Ray Roberts, Lake	Aubry Dam	Ray Roberts Lake	Ray Roberts Dam	NID 2006	Aubry Dam	N	N	U.S. Army Corps of Engineers - SWF	Phillips and Jordan, Inc.	$48,657,799				NID 2006		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Red Bluff Reservoir	Red Bluff Water power Control Distr		Red Bluff Dam			Y		Vernon L. Sullivan	S.J. Groves and Sons	$2,600,000				NID 2006, Report 126		Red Bluff Water Power District	Robin Prewit	915-445-2037	915-445-2740
Red Draw Reservoir		Red Draw Lake	Red Draw Dam	NID 2006		N		Freese and Nichols, Inc.	Price Construction Inc.	$1,597,948				NID 2006		Colorado River Municipal Water District	John Grant	915-267-6341	915-267-3121
Richland-Chambers Reservoir	Richland Creek Dam	Richland Creek Reservoir	Richland-Chambers Dam	NID 2006	Richland Dam	N		Freese and Nichols, Inc.	H.B. Zachry Company	$64,500,136				NID 2006		Tarrant Regional Water District	Louie Verreault	817-335-2491	817-625-9112
River Crest Lake			River Crest Levee			Y	N	Ebasco Services, Inc. New York	Smith and Robinson Construction Company					NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Sam Rayburn Reservoir	McGee Bend Reservoir		Sam Rayburn Dam	NID 2006	McGee Bend Reservoir	Y	Y	U.S. Army Corps of Engineers - SWF	Paul Hardeman Inc. Stanton, California	$63,290,000				NID 2006, Report 126	Marketing Agenc	Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Santa Rosa Lake			Santa Rosa Dam			Y	Y	Hawley and Freese; E.C. Will	W.T. Waggoner Estate	$88,338	Biggs and Matthews			NID 2006, Report 126		W. T. Waggoner Estate	Todd Thomas	940-552-2521	940-552-2523
Smithers Lake	Lake George		Smithers Lake Dam	NID 2006		Y		Ebasco Services, Inc.	Ebasco Services, Inc.					NID 2006, Report 126		NRG Texas Power, LLC	Ted Long	713-795-6213	

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Somerville Lake			Somerville Dam			Y		U.S. Army Corps of Engineers	Clement Bros. Co., Inc. Hickory, N.C.	$21,700,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
South Texas Project Reservoir	MCR Dam	Main Cooling Reservoir	STP Main Cooling Reservoir Dam	NID 2006		N		Forrest and Cotton; Brown and Root, Inc. for construction.						NID 2006		South Texas Project	Rick Gangluff	361-972-7879	361-972-8273
Squaw Creek Reservoir		Squaw Creek Reservoir	Squaw Creek Dam			N		Freese, Nichols and Endress						NID 2006		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Stamford, Lake			Stamford Dam			Y		Freese and Nichols	L. & S. Contractor	$289,365				NID 2006, Report 126		City of Stamford	Mark Routon	915-773-3592	915-773-2145
Stillhouse Hollow Lake			Stillhouse Hollow Dam			Y		U.S. Army Corps of Engineers - SWF	Tecon Corportation, Dallas, Tx	$20,100,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Striker, Lake			Striker Creek Dam			Y		J. M. Lloyd and Associates, W. H. Wolverton, Freese and Nichols.	Markham and Brown - McMullen and Larson	$784,400				NID 2006, Report 126		Angelina-Nacogdoches Co WCID	David Mason	903-854-4559	903-854-4341
Sulphur Draw Storage Reservoir		Sulphur Draw Storage Reservc	Sulphur Draw Dam	NID 2006		N		Freese and Nichols, Inc.	Central Plains					NID 2006		Colorado River Municipal Water District	John Grant	915-267-6341	915-267-3121
Sulphur Springs, Lake	Lake Sulphur Springs Dam		White Oak Creek Dam	NID 2006		Y		Freese, Nichols and Endress	Elm Fork Construction Company	$1,687,988				NID 2006, Report 126		City of Sulphur Springs	Robert Lee	903-439-2891	903-885-0306
Sweetwater, Lake	Lake Sweetwater Dam		Sweetwater Dam	NID 2006		Y		Hawley & Freese	Womack Henning Construction Company	$346,000				NID 2006, Report 126		City of Sweetwater	Mickey Rogers	915-236-6952	.
Tawakoni, Lake			Iron Bridge Dam			Y	N	Forrest and Cotton	Moorman, Dewitt and Singleton and Whittle Contracting Company (A Joint Venture)	$4,301,200				NID 2006, Report 126		Sabine River Authority of Texas	Donnie Henson	409-746-2192	409-746-3780
Texana, Lake		Lake Texana	Palmetto Bend Dam			N		Bureau of Reclamation	Holloway Const. Co.	$24,911,493				NID 2006		Lavaca-Navidad River Authority	Patrick Brzozowski	361-782-5229	361-782-5310
Texoma, Lake		Lake Texoma	Denison Dam			Y		U.S. Army Corps of Engineers		$78,000,000				NID 2006, Report 126		Corps of Engineers-SWT	Ronald Bell	918-669-7093	918-669-7536
Toledo Bend Reservoir			Toledo Bend Dam	NID 2006	Three dikes: Toledo Bend Saddle Dikes 1-3	Y		Forrest and Cotton	Massman-Johnson Construction Co.	$70,000,000				NID 2006, Report 126	70,000,000 (Texa	Sabine River Authorities of Texas and Louisiana	Donnie Henson	409-746-2192	409-746-3780
Lady Bird Lake	Town Lake	Lady Bird Lake	Longhorn Dam			N		Brown and Root						NID 2006		City of Austin/AE	Randy Harlow/Basheer Mohammed/Bobby Gosey	512-499-2000/512-505-7801/512-505-7803	512-505-7807
Tradinghouse Creek Reservoir			Tradinghouse Creek Dam		cooling for Tradinghouse Steam Electric Station Power Plant	Y		Forrest and Cotton	Amis Construction Company					NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Travis, Lake	Marshall Ford Dam		Mansfield Dam	NID 2006	Marshall Ford Dam	Y		Bureau of Reclamation, LCRA for the power features	The Marshall Ford Co.	$27,700,578				NID 2006, Report 126		Lower Colorado River Authority	Mark Jordan	512-473-3200	512-473-3551
Trinidad Lake	Texas Powr and Light Co Dam		Trinidad Levee	NID 2006		Y		Electric Bond and Share Compant	Texas Construction Company					Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Twin Buttes Reservoir			Twin Buttes Dam			Y	Y	Bureau of Reclamation	H.B. Zachry (Report 126)	20,687,000 (Report 126)	11836426 (bid Tab)			NID 2006, Report 126		Bureau of Reclamation - USDOI	W.H. Wilde	325-657-4209	325-655-4397
Twin Oak Reservoir		Twin Oak Reservoir	Twin Oak Dam			N		USR, Forest and Cotton Inc.						NID 2006		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Tyler, Lake			Whitehouse Dam	Report 126	lake was combined with Lake Tyler East May 29, 1968	Y		Forrest and Cotton (	Caruth Construction Company	$1,195,797				NID 2006, Report 126		City of Tyler	Mitch Marable	903-939-1538	903-531-1259
Upper Nueces Lake			Upper Nueces Dam			Y		H.R.F. Helland (1947), J. W. Jowers (NID 2006)	Schwope Brothers	$225,000	The Terrell Bartlett Engineers (1957)			NID 2006, Report 126		Zavala-Dimmit Counties WID No. 1	Robert Wagner	830-374-3703	no fax
Valley Lake	Brushy Creek Reservoir		Valley Dam	NID 2006		Y		Ebasco Services, Inc. New York	Vilbig Construction Company					NID 2006, Report 126		Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333

General Name	General Name	General Name	General Name	General Name	General Name	General Report 126	General Report 126	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	**Other Name(s)**	**Impoundment Name**	**Dam Name**	**Name Source**	**Name Comments**	**In Report 126? (Y or N)**	**Updated Since Report 126? (Y or N)**	**Design Engineer**	**Construction Contractor**	**Construction Cost**	**Modification Engineer**	**Modification Contractor**	**Modification Cost**	**Construction Source**	**Construction Comments**	**Owner**	**Contact Person**	**Telephone**	**Fax**
Victor Braunig Lake	Braunig Lake		Victor Braunig Plant Dam			Y		Brown and Root	Killian and House Co.	$4,700,000				NID 2006, Report 126		City Public Service, San Antonio	Richard Pena	210-353-3860	
Waco, Lake			Waco Dam			Y	Y	U.S. Army Corps of Engineers - SWF	Earthwork: Clement Bros, Hickory, North Carolina; Spillway: Elmer Gardner	$5,378,445	U.S. Army Corps of Engineers	R.G. LaTourneau, Inc.		NID 2006, Report 126	Difficulty was enc	Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Walter E Long, Lake			Decker Creek Dam			Y		Brown and Root	Amis Construction Company	$4,602,974				NID 2006, Report 126		Austin Energy	James Earley	512-505-7375	512-972-0138
Waxahachie, Lake			South Prong Dam			Y	Y	Forrest and Cotton, Inc.	J.W. Moorman and Son		Freese and Nichols, Inc.	Central Plains (1994 Dam Rehabilitation)	$3,021,451	NID 2006, Report 126		Ellis County Water Control & Improvement District #1	David Bailey, Director of Utilities	972-937-7330 ext. 121	972-923-1058
Weatherford Lake	Clear Fork Dam		Weatherford Dam		also known as Clear Fork Dam	Y	Y	Freese and Nichols. Randy and Associates (Report 126); Roland L.S. (NID 2006)	Weatherford Cage Brothers	$413,790	HDR			NID 2006, Report 126		City of Weatherford	Sharon Hayes	817-598-4270	817-598-4012
Welsh Reservoir		Swauano Creek Reservoir	Swauano Creek Dam		cooling for Welsh power plant	N		Freese, Nichols and Endress	List and Clark Construction Company	$2,428,460				NID 2006		AEP-Southwestern Electric Power Company	Greg Carter	903-746-4585	
White River Lake	White River Dam		Al O'Brien Dam	NID 2006		Y	N	Freese, Nichols and Endress	Luce Construction Company	$960,062				NID 2006, Report 126		White River Municipal Water District	Mickey Rogers	806-263-4240	806-263-4474
White Rock Lake			White Rock Dam			Y	Y	Forrest and Cotton, Inc						Report 126		Dallas Parks & Recreation	Paul Dyer	214-670-4071	214-670-4084
Whitney, Lake			Whitney Dam			Y		U.S. Army Corps of Engineers - SWF	L.P. Reed Inc.	$41,795,000				NID 2006, Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Wichita, Lake			Lake Wichita Dam			Y		Montgomery and Ward		$350,000				NID 2006, Report 126		City of Wichita Falls	Daniel Nix	940-761-7477	940-761-6873
Winters / New Lake Winters, Lake	New Lake Winters Dam	Lake Creek Reservoir	Elm Creek Dam	NID 2006		N		HDR. Inc.						NID 2006		City of Winters	Jack Davis, Jr.	915-754-4424 or 915-754-4953	915-754-4284
Worth, Lake			Lake Worth Dam			Y	Y	John B. Hawley	The Undergrround Construction Company (Nov. 1911-Apr. 1913); City of Fort Worth (Apr. 1913-Oct. 1914)	$589,000	Freese and Nichols, Inc.	Orval Hall Excavating (parapet wall)	$523,890	Report 126	cost does not incl	City of Fort Worth	Paul Bounds	817-392-8567	817-237-0759
Wright Patman Lake	Lake Texarkana		Texarkana Dam			Y		Corps of Engineers-New Orleans District	Edward Peterson Company, Foley Borther, Inc., and Tellepsen Construction Company	$35,048,603				Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Tyler, Lake			Mud Creek Dam	Report 126	lake was formerly called Lake Tyler East, combined with Lake Tyler on May 29,	Y		Wisenbaker, Fix, and associates	Vilbig Construction Company	$1,951,033				Report 126		City of Tyler	Mitch Marable	903-939-1538	903-531-1259
Graham, Lake			Graham Dam	Volumetric Survey of	Lake Eddleman became a part of Lake Graham in 1959	Y		Freese and Nichols, Inc.	Weldon C. Jourdan	$486,490					Originally 2 separ	City of Graham	Larry M. Fields	940-549-3324	940-549-5030

All references to left and right are facing downstream

declining to respond
responded to survey, did not specify whether we could share info with TWDB
does not give permission to share info with TWDB
permission to share with TWDB
did not respond to survey

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
Abilene, Lake	Tommy.OBrien@Abilenetx.com	P. O. Box 60 Abilene, TX 79604-0060	FNI files		2012.3		U.S. Coast and	7,900	595		1919	May 1921	Aug. 1, 1921	Report 126	Capacity and area at elevation 2012.3	7,900	7,900	0	595	n/a			
Alan Henry Reservoir	wfranklin@mylubbock.us	P. O. Box 2000 Lubbock, TX 79457		originally owned by BRA	2220		msl	115,937	2,884		1991	1994	1994	Volumetric Survey 2005		94,808	94,808	n/a	2,741	7/1/2005	TWDB	Volumetric Survey of Lake Alan Henry: 2005	
Alcoa Lake		Alcoa Inc., P.O. Box 472 Rockdale, TX 76567			468.5		msl	14,750	880		Feb. 17, 1952	October 1952	1953	Report 126	Gates installed Jan. 1953, Water pum	15,650	15,650	n/a	880	n/a			
Amistad, International Reservoir	kenbreiten@ibwc.state.gov	HCR #3, Box 37, HWY. 90 West Del Rio, TX 78840			1117	930		3,505,400	64,900	8000	December 1964	Nov. 21, 1969	May 31, 1968	Report 126	Max design flood stage: el 1145.12, c	3,151,267	3,151,267	0	64,900	1969	IBWC	Report 126	
Amon G Carter, Lake	jcantwell@cityofbowietx.com	304 Lindsey St. Bowie, TX 76230			920			20,050	1,540		July 11, 1955	August 1956	May 1956	Report 126		28,589		148	1,848	n/a	data is for dam after enlargement		
Anahuac, Lake	marybeth@clcnd.com	P.O. Box 518, 207 Miller St. Anahuac, TX 77514	owner		4		msl	35,300	5,300		Enlarged project started March 17, 1953	Original 1914; Enlarged Project July 1, 1954	1914	Volumetric Survey 2006, Report 126		33,348	33,348	n/a	5,035	4/6/2006	TWDB	Volumetric Survey of Lake Anuhuac	Planning: zero
Aquilla Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		537.5	503	msl	52,400	3,280	227	1976	1983	1983	Volumetric Survey of Aq	at top of flood control storage (elev 55	45,319	45,092	227	3,020	4/2/2002	TWDB	Volumetric Survey	
Arlington, Lake	Chuck.Vokes@arlingtontx.gov	1901 Lakewood Dr. Arlington, TX 76013			550		msl	45,710	2,275		May 15, 1956	July 19, 1957	March 31, 1957	Report 126		38,785	38,740	45	1,939	8/1/1994	TWDB	Volumetric Survey of Lake Arlington, 2003	The date on the
Arrowhead, Lake	david.lehfeldt@cwftx.net	P.O. Box 1431 Wichita Falls, TX 76307			926			262,100	16,200		May 17, 1965	December 1966	1966, 1967	Report 126	Design flood stage elevation 939.55,	235,997	235,997	0	14,969	6/21/2001	TWDB	Volumetric Survey of Lake Arrowhead, 2002	
Athens, Lake	no email	508 East Tyler Athens, TX 75751			440			32,790	1,520		September 25, 1961	May 1963	November 1, 1962	Report 126	Emergency spillway el 446, capacity	29,475	29,440	40	1,799	1/20&21/1998	TWDB	Volumetric Survey of Lake Athens, 2003	
Austin, Lake		P.O. Box 1088 Austin, TX 78767			492.8			21,000	1,830		Original Dam: November 5, 1890; Present Dam: July 5, 1938	1939	1939	Report 126	Invert to penstock el 462 +/-; Power u	21,725	21,725	n/a	1,599	Mar-99	TWDB	Volumetric Survey of Lake Austin, 2001	

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
B A Steinhagen Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		83 (normal pool u			94,200	13,700		March 1947	1951	April 16, 1951	Report 126	Max design water surface el 93, capa	66,972	66,966	6	10,687	6/1/2003	TWDB	Volumetric Survey of B. A. Steinhagen Lake, 2004	
Ballinger / Lake Moonen, Lake	no email	P.O. Box 497 Ballinger, TX 76821			1668			6,850	500			1985	1985	NID 2006	qlu: 1668 when fullPlanning; Moonen;	6,850	6,850	n/a	500	n/a			
Balmorhea, Lake	rcwid1@pecos.net	P.O. Box 185 Balmorhea, TX 79718			3187			7,707	573		1916	1917	1917	Report 126	Operating Level (1948): el 3187, capa	6,350	6,350	n/a	573	1948	U.S. Bureau of Reclamation	Report 126	
Bardwell Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		421	391		54,900	3,570		August 28, 1963	1965	November 20, 1965	Report 126	Max design water surface el 455.9, ca	46,472	46,122	350	3,138	2/1/1999	TWDB	Volumetric Survey of Bardwell Lake, 1999	
Bastrop, Lake	mike.lowe@lcra.org	P.O. Box 220 Austin, TX 78767			450			16,590	906		May 1963	April 1964	April 1964	Report 126	El. 450 is top of tainter gates	16,590	16,590	n/a	906	n/a			Planning: no lo
Baylor Lake	citymanager@childresstx.com	Rt 1, Box 283 Childress, TX 79201			1820			9,220	610		April 1, 1949	February 1950	December 1949	Report 126		9,220	9,220	n/a	610	n/a			
Belton Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		594			457,600	12,300		July 1949	December 15, 1954	March 8, 1954	Report 126	Max design water surface el 656.9, ca	435,225	435,225	0	12,135	5/1/2003	TWDB	Volumetric Survey of Belton Lake, 2005	
Benbrook Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		694			88,250	3,770		1949	December 1950	September 29, 1952	Report 126	Max design water surface el 741, capa	85,648	85,648	0	3,635	Jan-98	TWDB	Volumetric Survey of Benbrook Lake, 2003	
Bob Sandlin, Lake	tsprulll@countrynet.net	P.O. Box 650 Mt. Pleasant, TX 75456-0650			337.5	294.5		213,350	9,460	3303	1974	1978		Report 126	Max water (test flood) el 345.6, capac	204,678	200,579	4,099	9,004	Feb-98	TWDB	Volumetric Survey of Lake Bob Sandlin, 2003	

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
Bonham, Lake	mglass@cobon.net	301 East 5th St. Bonham, TX 75418			565			12,000	1,020		December 6, 1967	November 1969	November 1969	Report 126	Qingguang Lu: March 2004 survey	11,038	11,026	12	1,012	2/23&24/2004	TWDB	Volumetric Survey of Lake Bonham, 2005	Qingguang Lu:
Brady Creek Reservoir	no email	P.O. Box 651 Brady, TX 76825			1743			30,430	2,020		December 27, 1961	May 14, 1963	January 7, 1963	Report 126	Crest of emergency spillway el 1762.4	30,430	29,110	1,320	2,020	n/a			
Brandy Branch Cooling Pond	wgcarter@aep.com	2400 FM 3251 Hallsville, TX 75650			340			29,513	1,242		1981	1983	1983			29,513	29,513	n/a	1,242	n/a			Planning: zero
Brazoria Reservoir	ecschreiber@dow.com	Dow Chemical, B3501 Freeport, TX 77541			31.07			21,970	1,865		March 1, 1953	May 1, 1954	April 1954	Report 126	This is part of a system of reservoirs a	21,970	21,970	n/a	1,865	5/7/1954			
Bridgeport, Lake	dmarshall@trwd.com	800 E. Northside Dr. Fort Worth, TX 76102			836			386,420	11,954		January 23, 1930	December 15, 1931	April 1, 1932	Report 126	Planning: initial storage is 290000, afb	366,236	366,236	0	11,954	4/4/2000 - 4/17/2000	TWDB	Volumetric Survey of Lake Bridgeport, 2001	
Brownwood, Lake	dspinks@bcwid.org	P.O. Box 118 Brownwood, TX 76804			1425			149,925	7,298		1930	1933	July 1, 1933	Report 126	Spillway Crest (1959): elevation 1424	131,429	131,429	0	7,298	4/21/1997 - 4/24/1997	TWDB	Volumetric Survey of Lake Brownwood, 1997	
Bryan Utilities Lake	lhuff@bryantx.gov	P.O. Box 1000 Bryan, TX 77805			355.5			15,227	829			1974		Report 126		15,227	15,227	n/a	829	n/a			
Buchanan, Lake	mark.jordan@lcra.org	P.O. Box 220 Austin, TX 78767			1020.35			992,000	23,060		April 1, 1931	1938	May 20, 1937	Report 126	JJR: Sill of 15-ft gates: elevation 1005	875,566	875,566	n/a	22,335	1/1/1997			
Caddo Lake	mthornenetmwd@aol.com	P.O. Box 955 Hughes Springs, TX 75656			168.5	166		129,000	26,800		August 7, 1968	1971	1914	Report 126	JJR: The original Caddo Dam was co	129,000	59,800	69,200	26,800	n/a			
Calaveras Lake		P.O. Box 1771 San Antonio, TX 78296		Planning: Comfirmed by Rick Thiesen 210-353-4720	485			62,800	3,450		September, 1 1967	1969	January, 1969	NID 2006, Report 126	JJR: Spillway Crest: elevation 460, ca	63,200	63,200	n/a	3,450	n/a			
Canyon Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		909			386,200	8,240		June 27, 1958	1964	August 22,1964	NID 2006, Report 126	JJR: Maximum Design Water Surface	378,852	378,781	71	8,308	11/1/2000	TWDB	Volumetric Survey of Canyon Lake, 2001	Planning: estim
Casa Blanca Lake	fgsanchez@webbcountytx.gov	1110 Washington St., Suite 303 Laredo, TX 78042			446.5			20,000	1,656		1948	1951	1949	NID 2006, Report 126				n/a					Planning: no ou
Cedar Bayou Generating Pond	ted.long@nrgenergy.com	P.O. Box 4710 Houston, TX 77210			0			19,250	2,750			1972		NID 2006	qlu: sea levelPlanning: 19250 from TX	13,750	13,750	n/a	2,750	n/a			Planning: zero
Cedar Creek Reservoir Colorado	mike.lowe@lcra.org	P.O. Box 220 Austin, TX 78767			390			71,400	2,400			1977		NID 2006		71,400	71,400	n/a	2,400	2/8/1995 - 3/9/1995	TWDB	Volumetric Survey of Cedar Creek Reservoir, 2003	

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
Cedar Creek Reservoir Trinity	dmarshall@trwd.com	800 E. Northside Drive Fort Worth, TX 76102			322			679,200	33,750		April 1, 1961	1966	July 2, 1965	Report 126	JJR: Top of tainter gates: elevation 32	640,415	637,822	99	32,873	7/1/2005			
Champion Creek Reservoir	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			2083	2020		42,500	1,560	880	May 5, 1958	1959	February, 1959	Report 126	JJR: Maximum Design Flood Stage: e	42,500	41,618	882	1,560	n/a			
Cherokee, Lake	antcramar@aol.com	NK20 Lake Cherokee Longview, TX 75603			280			45,016	3,987		February 26, 1948	1948	October 1, 1948	NID 2006, Report 126	JJR:Top of design flood pool: elevatio	43,737	39,023	4,714	3,467	11/10/2003 - 11/13/2003	TWDB	Volumetric and Sediment Survey of Lake Cherokee, 2004	
Choke Canyon Reservoir	normk@ci.corpus-christi.tx.us	P.O. Box 1043 Three Rivers, TX 78071			220.5	127.0-136.4		691,130	25,989	54		1982		NID 2006		695,271	695,262	9	25,989	3/1/1993	TWDB	Dam Owner, Volumetric Survey of Choke Canyon Reservoir 2003	
Cisco, Lake	ciscomanager@sbcglobal.net	P.O. Box 110 Cisco, TX 76437	Owner	Planning: Randy Johnson's phone 254-442-2671.	1520			26,000	1,050		1920	1923	1925	Report 126	JJR: (based on contours by the Henry	8,800	8,800	n/a	1,050	n/a			Planning: This
Clyde, Lake	publicdirect@valornet.com	P.O. Box 1155 Clyde, TX 79510			1872			5,748	449		June 6, 1969	1970	1970	Report 126	JJR: 5000 ac-ft for temporary detentio	5,748	5,748	n/a	449	n/a			
Coleman, Lake	citymgr@web-access.net	PO Box 582 Coleman, TX 76834		spoke with Larry Weise 7/2/2008, he provided updated info	1717.5			40,000	2,000		August 1, 1965	1966	April, 1966	Report 126	JJR: Emergency Spillway: elevation 1	38,094	38,094	n/a	1,864	Feb-06	TWDB	Volumetric Survey of Lake Coleman, 2007	
Coleto Creek Reservoir	mlfields@aep.com	P. O. Box 8 Fannin, TX. 77960			98			31,040	3,100			1980		NID 2006		31,040	31,040	n/a	3,100	n/a			
Colorado City, Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			2070.2			31,805	1,612		1948	1949	April, 1949	Report 126	JJR: Crest of Service Spillway: elevati	31,805	31,485	320	1,612				
Conroe, Lake	b.kellum@sjra.net	P.O. Box 329 Conroe, TX 77305		Report 126 indicates partial ownership by the City of Houston 66% and TWDB 20.18%	201			430,260	20,985		February 9, 1970	1973	January, 1973	Report 126	JJR: Top of dam: elevation 212.0, cap	416,228	416,188	40	20,118	Mar-Apr 1996	TWDB	Volumetric Survey of Lake Conroe, 2003	
Corpus Christi, Lake	louh@cctexas.com	P.O. Box 98 Sandia, TX 78383-0098	FNI files		94			290,917	19,860		November 19, 1955	1958	April 26, 1958	Report 126	JJR: Top of North Spillway gates: elev	257,463	256,961	299	18,256	Dec 2001-Jan 2002	TWDB	Volumetric Survey of Lake Corpus Christi Reservoir, 2002	
Creek Lake, Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			405			8,400	550		September 8, 1951	1952	June, 1952	Report 126	JJR: First Generating Unit began oper	8,400	8,400	n/a	550	n/a			Planning: Cooli
Crook, Lake	s_napier@ci.paris.tx.us	P.O. Box 9037 Paris, TX 75461-9037			476			11,487	1,226		February, 1922	1923	1923	Report 126	JJR: Based on 1956 U.S. Soil conserv	9,260	9,195	15	1,060	Jun-03	TWDB	Volumetric Survey of Lake Crook, 2004	
Cypress Springs, Lake	david.weidman@fcwd.com	P.O. Box 559 Mt. Vernon, TX 75457			378			72,800	3,461		July, 1968	1971	July 7, 1970	Report 126	JJR: Elevation 385.0, capacity 100,40	67,690	67,690	1	3,461	Apr-98	TWDB	Volumetric Survey of Lake Cypress Springs, 2003	
Daniel, Lake	gernest@wtconnect.com	105 North Rose Ave. Breckenridge, TX 76424			1278			9,515	924		December 15, 1947	1948	June, 1949	Report 126	JJR: (based on 1970 USCS survey) U	9,515	9,435	80	924	9/7/1978			
Davis, Lake		P.O. Box 168 Benjamin, TX 79505-0168			1401.5			5,454	585			1959		NID 2006		5,454	5,454	n/a	585	n/a			
Diversion, Lake	wcwid2@cbc.global.net	402 E. Scott Wichita Falls, TX 76303			1052			40,000	3,133		1922	1924	1924	Report 126		33,420	33,420	n/a	3,133	Jul-95	TWDB	Volumetric Survey of Medina Lake and Diversion Lake, 2003	Planning: base
Dunlap, Lake	thill@gbra.org	933 E. Court St. Seguin, TX 78155			575.2			5,900	410		1927	1928	1928	Report 126	Usable storage 3,550 acre-ft; Generat	5,900	5,900	n/a	410	n/a			
E.V Spence Reservoir	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869			1898			488,760	14,640		December 15, 1966	1969	December 15, 1968	Report 126	JJR: Top of emergency spillway: eleva	517,272	517,272	0	14,640	Jun/Jul-99	TWDB	Volumetric Survey of E. V. Spence Reservoir, 2000	
Eagle Lake	mike.lowe@lcra.org	P.O. Box 220 Austin, TX 78767			170			9,600	1,200		1899	1900	1900	Report 126		9,600	9,600	0	1,200	n/a			
Eagle Mountain Lake	dmarshall@trwd.com	800 E. Northside Drive Fort Worth, TX 76102			649.1			190,460	8,738		January 23, 1930	1932	February 28, 1934	Report 126	JJR: (based on 1968 US Army Corps	182,505	182,500	5	8,702	Apr-00	TWDB	Volumetric Survey of Eagle Mountain Lake, 2001	
Eagle Nest Lake		981 Ridgewood Ave., Suite 101, Vinice, FL 34285						18,000				1949				18,000	18,000	n/a		n/a			

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
Electra, Lake	elemainst@aol.com	101 N. Main Electra, TX 76360			1111			8,730	731			1950		NID 2006		5,626	5,626	n/a	731	7/1/1999			
Ellison Creek Reservoir	jrrouse@uss.com	6866 Highway 259 South, P.O. Box 1000 Lone Star, TX 75668	Owner		268.1			24,700	1,516		1942	1943	January, 1943	Report 126		24,700	24,700	n/a	1,516	n/a			Planning: water
Fairfield Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			310			50,600	2,350		August 19, 1968	1969	December, 1969	Report 126	JJR: Emergency Spillway Crest: eleva	44,169	44,169	0	2,159	May/Jun-99	TWDB	Volumetric Survey of Fairfield Lake, 1999	Planning: on ou
Falcon, International Reservoir	mpevans@ibwc.state.gov	P.O. Box 1 Falcon Heights, TX 78545			301.1			2,767,400	86,843		January, 1950	1954	August, 1953	Report 126	JJR: (Based on 1956 International Bo	2,653,760	2,653,636	124	86,843	1956	IBWC	Report 126	
Lake Nocona	revell_hardison@hotmail.com	100 Cooke St. Nocona, TX 76255			827			25,400	1,470		September, 1959	1960	Spring 1961	Report 126	JJR: Elevation 835.0, capacity 39,000	21,749	21,445	304	1,362	Jul-01	TWDB	Volumetric Survey of Lake Nocona, 2002	
Forest Grove Reservoir	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			359			20,038	1,502			1980	partial impoundment began in 1980, but gates have been left open since a power pla			20,038	20,038	n/a	1,502	n/a			Planning: zero
Fork Reservoir, Lake	dhenson@srabx.org	P.O. Box 579 Orange, TX 77630			403	360	msl	675,819	27,264			1980	1980	NID 2006		636,133	604,927	31,206	27,264	9/13/2001	TWDB	Volumetric Survey of Lake Fork Reservoir, 2001	Planning: data
Fort Phantom Hill, Lake	Tommy.OBrien@Abilenetx.com	P. O. Box 60 Abilene, TX 79604-0060	FNI files		1635.9			74,310	4,246		June 26, 1937	1938	October, 1938	Report 126	JJR: (Based on May 1955 U.S. Coil C	70,036	70,030	6	4,213	Nov-93	TWDB	Volumetric Survey of Fort Phantom Hill Reservoir, 2003	Lake was appro
Georgetown, Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		791			37,100	1,310	7900	1972	1982	1980	Report 126	JJR: Top of Dam: elevation 861.0 ft, a	36,904	36,823	81	1,287	May-05	TWDB	Volumetric Survey of Lake Georgetown, 2006	
Gibbons Creek Reservoir	gparsons@texasmpa.org	P.O. Box 7000 Bryan, TX 77805			247			32,084	2,770			1981	1981	NID 2006		32,084	32,084	n/a	2,770	n/a			
Gilmer, Lake	dannyl@etex.net	P.O. Box 760 Gilmer, TX 75644	Owner		315			12,720	1,010			1999	1999	NID 2006		12,720	12,720	n/a	1,010	n/a			
Gonzales (H-4), Lake	thill@gbra.org	933 E. Court St. Seguin, TX 78155			332			6,500	696		1929	1931	1931	Report 126	JJR: Usable storage capacity 5,200 ac	6,500	6,500	n/a	696	n/a			
Graham, Lake	gramgr@wf.net	P.O. Box 1449 Graham, TX 76450	Owner		1076.3			53,680	2,550		1928	1929	1929	Report 126, Volumetric S	JJR: (capacities from survey made in	45,302	45,260	42	2,444	Apr-98	TWDB	Volumetric Survey of Lake Graham, 1998	
Granbury, Lake	pford@brazos.org	P.O. Box 7555 Waco, TX 76714-7555	owner		693			153,500	8,700		December 15, 1966	1969	September 15, 1969	Report 126	JJR: Top of Gates: elevation 693.0 ft,	129,011	129,011	965	7,945	Jul-03	TWDB	Volumetric Survey of Lake Granbury, 2005	elevations are b
Granger Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		504			65,500	4,400	27600	1972	1979	1977 (estimated Rep	Report 126	JJR: Top of Dam: elevation 555.0 ft, a	52,525	52,525	0	4,064	4/1/2002	TWDB	Volumetric Survey of Granger Lake, 2003	
Grapevine Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		535			188,550	7,380	830	January, 1948	1952	July 3, 1952	Report 126	JJR: (Based on 1946 survey by the U.	164,703	164,702	1	6,893	May-02	TWDB	Volumetric Survey of Grapevine Lake, 2002	
Greenbelt Lake	gmiwa@arn.net	P.O. Box 665 Clarendon, TX 79226			2664			60,400	2,025		April 12, 1966	1968	December 5, 1966	Report 126	JJR: (Based on USGS data 1987) Em	60,400	59,500	900	2,025	n/a			
Galveston County Reservoir	rdistre@hotmail.com	3630 Hwy 1765 Texas City, TX 77591			20			7,308	812			1948		NID 2006		7,308	7,308	n/a	812	Jun/Jul-04	TWDB	Volumetric and Sediment Survey of Reservoir A and B, 2006	
Halbert, Lake	sblevins@ci.corsicana.tx.us	200 North 12th St Corsicana, TX 75110			368			7,420	650		1920	1921	1921	Report 126	JJR: (Based on USGS 1950 data)	6,033	6,033	n/a	603	Feb-99	TWDB	Volumetric Survey of Lake Halbert, 2003	Planning: zero
Hords Creek Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		1900			8,640	510	27	January 15, 1947	1948	April 7, 1948	Report 126	JJR: Maximum Design water surface:	8,112	8,112	3	504	10/1/1968	Corps of Engineers - Fort Worth District	owner	Planning: estim
Houston County Lake		P.O. Box 1246 Crockett, TX 75835			260			19,500	1,282		April 14, 1966	1966	November 4, 1966	Report 126	JJR: Emergency Spillway Crest: eleva	17,665	17,113	552	1,330	Jan-99	TWDB	Volumetric Survey of Houston County Lake, 1999	

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
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Houston, Lake	jberry@coastalwaterauthority.org	One Allen, Suite 2800, 500 Dallas Street, Houston Texas 77002-4708			43.8			146,700	12,240		January 21, 1952	1954	April 9, 1954	Report 126	JJR: (based on sedimentation survey	133,990	128,863	5,127	11,854	Feb-94	TWDB	Volumetric Survey of Lake Houston, 2003	
Hubbard Creek Reservoir	belld@wctmwd.org	410 Hickory Abilene, TX 79601			1183	1136		317,750	15,250	3470	March 1, 1961	1962	December 18, 1962	Report 126	JJR: (Based on 1963 area capacity cu	324,983	318,070	6,916	14,922	Feb-97	TWDB	Volumetric Survey of Hubbard Creek Reservoir, 2003	
Hubert H Moss Lake	rsellman@cogtx.org	104 W Hird St. Gainesville, TX 76240			715			23,210	1,125		December 8, 1964	1966	April, 1966	Report 126	JJR: (Based on 1958 aerial photograp	24,155	24,058	97	1,140	May-99	TWDB	Volumetric Survey of Hubert H. Moss Lake, 1999	
Imperial Reservoir	no email	P.O. Box 445 Imperial, TX 79743			2421			6,000	1,530			1910		NID 2006		6,000	6,000	n/a	1,530	n/a				
Inks Lake	mark.jordan@lcra.org	P.O. Box 220 Austin, TX 78767			888.22			17,545	803		1936	1938	1938	Report 126, December 2	Invert to penstock el. 844.5 ft,	15,063	14,594	284	803	1/1/1997			
J B Thomas, Lake	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869			2258			203,600	7,282	1300	March 26, 1951	1952	July, 1952	Report 126	JJR: (based on surveys in 1948, and 1	200,604	199,931	673	7,282	Nov-99		Volumetric Survey of Lake J.B. Thomas, 2000	
Jacksonville, Lake	will.cole@jacksonvilletx.org	P.O. Box 1390 Jacksonville, TX 75766			422			30,500	1,320		1956	1957	1957	Report 126	Project Dedicated: August 8, 1957; La	25,732	25,670	62	1,164	Feb-06	TWDB	Volumetric Survey of Lake Jacksonville, 2007	
Jim Chapman Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		440			310,312	19,305			1991		Report 126		298,930	298,930	0	17,958	Aug 2005/July 2007	TWDB	per owner	
Joe Pool Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		522			176,900	7,470		1977	1986	1986	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Neches-Trinity River Basins, p 54-55		176,900	176,900	n/a	7,470	6/7/1905	Corps of Engineers - Fort Worth District		
Johnson Creek Reservoir	wgcarter@aep.com	2400 FM 3251 Hallsville, TX 75650			280			10,100	650		June 16, 1960	1961	August 4, 1961	NID 2006, Report 126	Water use began May 1964					n/a			Planning: water
Kemp, Lake	wcwid2@cbc.global.net	402 E. Scott Wichita Falls, TX 76303			1144			319,600	16,540			1923	October 1, 1922	NID 2006, Report 126	JJR: (based on USACE 1971 survey)	245,434	245,434	0	15,357	Jan-Mar-06	TWDB	Volumetric Survey of Lake Kemp, 2006	
Kickapoo, Lake	david.lehfeldt@cwftx.net	P.O. Box 1431 Wichita Falls, TX 76307			1045			106,000	6,200		January, 1945	1945	February 1, 1946	NID 2006, Report 126	JJR: Top of Dam: elevation 1062.0 ft	85,825	85,825	0	6,028	Apr-01	TWDB	Volumetric Survey of Lake Kickapoo, 2001	
Kirby, Lake	Tommy.OBrien@Abilenetx.com	P. O. Box 60 Abilene, TX 79604-0060	FNI files		1786			7,620	740		1927	1928	1928	NID 2006, Report 126	JJR: (based on 1941 USGS survey) L	7,620	7,620	0	740	n/a			
Kurth, Lake	david_rusk@abicon.com	P.O. Box 1149 Lufkin, TX 75902			197.5			16,200	726		May 26, 1959	1961		Report 126	Water is pumped from the Angelina R	14,769	14,769	0	726	12/1/1996			Planning: water
Lavon Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		492			456,500	21,400		January, 1948	1953	September 14, 1953	Report 126	JJR: (based on 1970 USACE data) M	456,526	443,844	12,682	21,400	1970	Corps of Engineers - Fort Worth District	owner	Planning: the to
Leon, Lake	ecwsd@txol.net	P.O. Box 16 Ranger, TX 76470			1375	1335		27,290	1,590		January 13, 1953	1954	April, 1954	Report 126	JJR: Crest of Emergecny Spillway: el.	27,290	26,421	869	1,590	n/a			
Lewis Creek Reservoir	mmontal@entergy.com	11191 Longstreet Rd Willis, TX 77318			267			16,400	1,010		November 11, 1967	1969	August 25, 1969	Report 126	Power generation began October, 197	16,400	16,400	0	1,010	6/12/2008	URS-Washington Division/Houston Power	Owner	Planning: zero
Lewisville Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		522			648,400	29,592		November 28, 1948	1955	November 1, 1954	NID 2006, Report 126	JJR: Proposed modification will chang	571,926	571,926	n/a	29,170	11/1/1989	Turner Collie and Braden, Inc.	owner	
Limestone, Lake	pford@brazos.org	P.O. Box 7555 Waco, TX 76714-7555			363			225,400	14,200			1978		NID 2006	Planning: 217494 is from plate. 22540	208,017	208,017		12,553	Apr-02	TWDB	Volumetric Survey of Lake Limestone, 2003	
Livingston, Lake	stevensr@trinityra.org	P.O. Box 1554 Huntsville, TX 77342			131			1,750,000	83,000		May 26, 1966	1969	1969	NID 2006, Report 126	JJR: (based on Brown and Root letter	1,741,867	1,741,867	n/a	83,000	12/1/1991	Bureau of Reclamation	Owner	
Loma Alta Lake	eacampirano@portofbrownsville.com	1000 Foust Rd Brownsville, TX 78521			17.5			26,500	2,490		November 10, 1958	1963		Report 126	qlu: res. 1A & 1B (500 a/f & 300 a/f re	26,500	26,500	0	2,490	n/a			
Lost Creek Reservoir	jboro@wf.net	112 W. Belknap Jacksboro, TX 76458			1008			11,961	368			1991	1990	NID 2006, Final 2002 WAMs for the Trinity, Trinity-San Jacinto,		11,961	11,961	n/a	368	n/a			

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
Lyndon B Johnson, Lake	mike.lowe@lcra.org	P.O. Box 220 Austin, TX 78767			825			138,000	6,375		September, 1949	1951	May, 1951	Report 126	JJR: (based on 1949 LCRA survey) Ir	134,353	113,690	20,663	6,375	1/1/1997			
Mackenzie Reservoir	gwyatt@texasonline.net	Rt 1, Box 14 Silverton, TX 79257			3100			46,450	896		September, 1972	1974	April, 1974	Report 126	JJR: Elevation 3,110 ft, capacity 56,6	46,450	46,429	21	896	n/a			
Manor Lake																						
Marble Falls, Lake	mark.jordan@lcra.org	P.O. Box 220 Austin, TX 78767			738			8,760	780		November 6, 1949	1951	July, 1951	Report 126	JJR: (based on LCRA survey) Invert t	6,420	6,420	n/a	780	1/1/1997			
Martin Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201	Report 126	Dallas Power and Light Co. Texas Electric Service Co, Texas Power and Light Co. Texas Utilities Service Inc. (Agent)	306			77,619	4,981		May 31, 1972	1974		Report 126		75,116	75,116	0	4,981	May/Jun-99	TWDB	Volumetric Survey of Martin Lake, 2003	
Medina Lake	no email	P.O. Box 170 Natalia, TX 78059			1072			254,000	5,575		1912	1913	May 7, 1913	Report 126	JJR: (based on 1948 survey) Datum c	254,843	254,843	0	6,066	Jul-95	TWDB	Volumetric Survey of Medina Lake and Diversion Lake, 2003	
Meredith, Lake	ksatterwhite@crmwa.com	Box 9 Sanford, TX 79078			2941.3 (top of join	2850		864,397	16,505	43049	March 11, 1962	1965	January 28, 1965	Report 126	JJR: (based on U.S. Bureau of Reclar	815,318	741,875	38,414	16,411	Jun-95	TWDB	Owner & Volumetric Survey of Lake Meredith, 2003	
Millers Creek Reservoir	nctmwa@knoxcity.net	P.O. Box 36 Munday, TX 76371			1334.5			25,520	2,212			1974		Report 126	JJR: Water will be pumped from the la	29,171	27,888	1,283	2,268	3/1/1993			
Mineral Wells, Lake	cityofmw@mesh.net	P.O. Box 460 Mineral Wells, TX 76068	owner		863.4			6,760	646			1920	December 31, 1953	Report 126	JJR: (based on forrest and Cotton Inc	7,065	7,065	n/a	646	7/23/1992			Planning: Wate
Mitchell County Reservoir	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869			2200			27,266	1,463			1991	1991	NID 2006		27,266	27,266	n/a	1,463	n/a			
Monticello Reservoir	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201	Report 126	Texas Power and Light Co. Texas Electric Service Co, Dallas Power and Light Co. Texas Electric Service Co, Texas Utilities Generating Company is the operating agent	340			40,100	2,000		April 16, 1971	1973	August 9, 1972	Report 126	JJR: el. 342.0 ft, capacity 43,360 ac-ft	34,740	34,740	0	2,001	2/1/1998			Planning: water
Mountain Creek Lake	randy.tipton@exeloncorp.com	2233A Mt Creek Parkway Dallas, TX 75211	NID 2006, Report 126		457			37,520	2,710		1929	1936	March, 1937	Report 126	JJR: (based on sediment surveys mac	22,840	22,840	0	2,710	n/a			Planning: zero
Murvaul, Lake	wadekirk@gmail.com	154 CR 1839 Carthage, TX 75633			265.3			44,650	3,397		September 26, 1956	1958	November, 1957	Report 126	JJR: (based on 1955 survey) Top of D	38,284	38,284	0	3,529	Nov-98	TWDB	Volumetric Survey of Lake Murvaul, 1999	
Nacogdoches, Lake	shepherdw@c.i.nacogdoches.tx.us	P.O. Box 635030 Nacogdoches, TX 75963			279			41,140	2,212			1977		NID 2006		39,523	39,521	2	2,212	Mar-94	TWDB	Volumetric Survey of Lake Nacogdoches, 2003	
Nasworthy, Lake	will.wilde@sanangelotexas.us	72 W. College San Angelo, TX 76903	Owner		1872.2			14,604	1,380		January, 1929	1930	March 28, 1930	Report 126	JJR: (based on U.S. Soil Conservatio	10,108	9,615	493	1,380	Sep-93	TWDB	Volumetric Survey of Lake Nasworthy, 2003	
Navarro Mills Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		424.5			63,300	5,070		December 23, 1959	1963	March 15, 1963	Report 126	JJR: (based on 1956 survey by U.S. A	56,963	56,963	n/a	5,062	9/1/1972	Corps of Engineers - Fort Worth District		
New Terrell City Lake	sgroessel@cityofterrell.org	P.O. Box 310 Terrell, TX 75160			504			8,712	830		February, 1955	1955	November, 1955	Report 126	JJR: (based on 1970 from the city) En	8,594	8,580	11	849	May-97	TWDB	Volumetric Survey of New Terrell City Lake, 2003	Planning: If dea
North Fork Buffalo Creek Reservoir	blytle@iowapark.com	P.O. Box 190 Iowa Park, TX 76367-0190			1048			15,400	1,392		May 14, 1964	1964	November 10, 1964	Report 126	JJR: Emergency Spillway: el. 1,050.0	15,400	15,400	n/a	1,392	n/a			
North Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			510			17,000	800		1956	1957	March, 1957	Report 126	JJR: (based on revised Jan 6, 1958) Invert of low flow outlet: el. 494.25 ft, capacity 7,600 ac-ft, area 454 acres. Power generation began 1959					n/a			
O C Fisher Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		1908			119,200	5,440		May, 1947	1951	February 1, 1952	Report 126	JJR: Maximum design water surface:	115,743	115,743	0	5,400	9/1/1962	Corps of Engineers - Fort Worth District		

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
O H Ivie Reservoir	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869			1551.5			554,340	19,149			1989	1990	NID 2006		554,340	554,340	0	19,149	n/a			
O' the Pines, Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		228.5			254,937	18,700		January 10, 1955	1958	August 21, 1957	Report 126	JJR: Top of surcharge pool: el. 269.9	241,081	238,933	2,148	16,919	11/1/1998	TWDB	Volumetric Survey of Lake O' the Pines, 1999	
Oak Creek Reservoir		P.O. Box 450 Sweetwater, TX 79556			2000			39,360	2,375		July 10, 1950	1952	May 12, 1953	Report 126	JJR: (based on 1950 survey) Crest of	39,360	39,260	100	2,375	n/a			
Olney / Lake Cooper, Lake	olneywtp@brazosnet.com	P.O. Box 546 Olney, TX 76374			1143			6,650	446			1935		NID 2006	Planning: lakecooper1143,lakeolney1	6,650	6,650	n/a	446	5/1/1905			
Palestine, Lake	unrmwa@dctexas.net or mdsunra@dcte	P.O. Box 1965 Palestine, TX 75802			345	309.5		411,844	25,560	unknown	May 30, 1960	Phase I: 1962 ; Phase	May 1, 1962	Report 126	JJR: (based on data from Forrest and	373,202	370,908	2,294	22,656	Jun-03	TWDB	Volumetric Survey of Lake Palestine, 2005, owner	
Palo Duro Reservoir	pdra@dishmail.net	P.O. Box 99 Spearman, TX 79081	FNI files		2892	2844.5		60,897	2,413	3222	Sep-88	Apr-91	Jan-91	NID 2006 FNI files		60,897	60,897	n/a	2,413	n/a			Planning: calcu
Palo Pinto, Lake	no email	P.O. Box 387 Mineral Wells, TX 76067			867			44,100	2,661		March 21, 1963	1964	April 16, 1964	Report 126	JJR: (based on Freese and Nichols ta	27,650	27,150	500	2,661	n/a			
Pat Cleburne, Lake	billpa@cleburne.net	P.O. Box 657 Cleburne, TX 76033			733.5			25,560	1,550		August 9, 1963	1964	August 4, 1964	Report 126	JJR: (based on 1958 USGS survey) T	25,730	25,730	0	1,558	Jan-98	TWDB	Volumetric Survey of Lake Pat Cleburne, 2003	
Pat Mayse Lake	ron.w.bell@swt03.usace.army.mil	1645 South 101st East Ave. Tulsa, OK 74128-4629			451			124,500	5,993		May 9, 1965	1967	September 28, 1967	Report 126	JJR: Top of flood control pool: el. 460	118,110	118,110	n/a	5,993	1965			
Peacock Site 1A Tailings Reservoir	jrrouse@uss.com	6866 Highway 259 South, P.O. Box 1000 Lone Star, TX 75668			400			11,248	180			1983		NID 2006	never used for tailings	7,100	7,100	n/a	180	n/a			
Pinkston Reservoir		P.O. Box 1744, Center, TX 75935			298			7,380	523			1977		NID 2006		7,380	7,380	n/a	523	n/a			
Possum Kingdom Lake	pford@brazos.org	P.O. Box 7555 Waco, TX 76714-7555			1000			724,739	19,800		May 29, 1938	1941	March 21, 1941	Report 126	JJR: Spillway Crest: el. 987.0 ft, capa	540,340	540,340	0	16,716	Dec 2004-Jan 2005	TWDB	Volumetric Survey of Possum Kingdom Lake, 2006	
Proctor Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		1162	1162		59,400	4,610		June 29, 1960	1963	September 30, 1963	Report 126	JJR: (based on 1946 survey by the U.	55,457	55,457	0	4,537	Jul-02	TWDB	Volumetric Survey of Proctor Lake, 2003	
Ray Hubbard, Lake	c.stringer@dallascityhall.com	City Hall, 1500 Marilla, Suite 4AN Dallas, TX 75201			435.5			490,000	22,745		June 13, 1964	1969	December 1, 1968	Report 126	JJR: (based on original survey) Top o	452,040	452,040	0	20,963	5/1/2005	TWDB	Owner/Volumetric Survey of Lake Ray Hubbard, 2006	
Ray Roberts, Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		632.5			799,600	29,350		1981	1987	1987	NID 2006	Planning: 749200+54600 dead pool =	799,600	799,600	n/a	29,350	1985	Corps of Engineers - Fort Worth District		
Red Bluff Reservoir	redbluff@netwest.com	111 West 2nd St. Pecos, TX 79772			2842			310,000	11,193		November, 1934	1936	September, 1936	Report 126	JJR: (based on USGS survey 1925): (	289,670	289,670	n/a	11,193	n/a			
Red Draw Reservoir	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869			2445			8,538	374			1985	1985	NID 2006		8,538	8,538	n/a	374	n/a			
Richland-Chambers Reservoir	dmarshall@trwd.com	800 E. Northside Drive Fort Worth, TX 76102			315			1,181,886	44,752			1987	1987	NID 2006		1,136,600	1,103,816	32,784	41,356	Oct-Dec 1994	TWDB	Volumetric Survey of Richland-Chambers Reservoir, 2003	
River Crest Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			328			7,000	555		April 22, 1953	1953	November, 1953	Report 126	Water level maintained by pumping fro	7,000	7,000	n/a	555	n/a			Planning: no ou
Sam Rayburn Reservoir	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		164.4			2,898,500	114,500		September 7, 1956	1965	March 29, 1965	Report 126	JJR: (based on Corps of Engineers da	2,876,033	1,415,043	1,460,990	112,590	Mar-Apr 2004	TWDB	Volumetric Survey of Sam Rayburn Reservoir, 2006	
Santa Rosa Lake	thomast@waggonerranch.com	P.O.Box 2130 Vernon, TX 76385			1167			11,570	1,500			1929	1929	Report 126	The water used is pumped direct from	11,570	11,570	n/a	1,500	n/a			Planning: water
Smithers Lake	ted.long@nrgenergy.com	P.O. Box 4710 Houston, TX 77210			66			18,700	2,480		August 22, 1956	1957	October 15, 1957	Report 126	JJR: (based on 1969 curves). First ge	18,700	18,700	0	2,480	n/a			Planning: Wate

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
Somerville Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		238			160,100	11,460		June 4, 1962	1967	January 3, 1967	Report 126	JJR: (based on USGS 1959) Maximur	147,104	147,104	0	11,555	Jul-03	TWDB	Volumetric Survey of Somerville Lake, 2005	
South Texas Project Reservoir	rangluff@stpegs.com	P.O. Box 289 Wadsworth, TX 77483			49			202,600	7,000			1981	1979	December 2001 WAM	Final Report by R. J. Brandes Company	202,600	202,600	n/a	7,000	Reservoir is inpsected daily			
Squaw Creek Reservoir	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			775			151,047	3,228			1977		NID 2006		151,418	151,370	51	3,297	May-97	TWDB	Volumetric Survey of Squaw Creek Reservoir, 2003	
Stamford, Lake	no email	P.O. Drawer 191 Stamford, TX 79553			1416.8			57,630	4,690		July 14,1941	1953	June, 1953	Report 126	JJR: Capacity (1966) 53,930 ac-ft	51,573	51,570	3	5,124	Jul/Aug 1999	TWDB	Volumetric Survey of Lake Stamford, 2000	
Stillhouse Hollow Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		622			235,700	6,430		June 11, 1962	1968	February 19, 1968	Report 126	JJR: (based on USGS survey 1958) M	227,825	227,771	54	6,484	May-Jun 2005	TWDB	Volumetric Survey of Stillhouse Hollow Lake, 2006	
Striker, Lake	ancwcid1@aol.com	18950 CR 4256 South Reklaw, Texas 75784			293			26,960	1,863		June 23, 1956	1957	May 1, 1957	Report 126	JJR: Spillway Crest: el. 282.0 ft, capac	22,865	16,934	5,931	1,920	Dec-96	TWDB	Volumetric Survey of Striker Creek Reservoir and Lake Kurth, 2003	Planning: water
Sulphur Draw Storage Reservoir	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869			2541			7,997	970			1993	1993		yyang: from Randall Burns.	7,997	7,997	n/a	970	n/a			
Sulphur Springs, Lake	rlee@sulphurspringstx.org	125 South Davis Sulphur Springs, TX 75482			459			14,160	1,340		November 11, 1971	1973	July 24, 1973	Report 126		17,838	17,838	n/a	1,340	n/a			Planning: water
Sweetwater, Lake		P.O. Box 450 Sweetwater, TX 79556			2116			11,900	630		1928	1930	April 13, 1905	Report 126	JJR: based on 1948 water supply repo	11,900	10,006	1,894	630	n/a			
Tawakoni, Lake	dhenson@sratx.org	P.O. Box 579 Orange, TX 77630			437.5	378		936,200	36,700		January, 1958	1960	October, 1960	Report 126	JJR: (based on 1956 survey) Invert to	888,140	888,130	14	37,879	4/8/1997	TWDB	Volumetric Survey of Lake Tawakoni, 2003	
Texana, Lake	pbrzozowski@lnra.org	P.O. Box 429 Edna, TX 77957			44	15	msl	165,918	9,934	8034		1981		NID 2006, TWDB Volumetric Survey 2001		161,085	153,246	7,839	9,727	Aug-00	TWDB	Volumetric Survey of Lake Texana, 2001	Planning: The c
Texoma, Lake	ron.w.bell@swt03.usace.army.mil	1645 South 101st East Ave. Tulsa, OK 74128-4629			617	523		3,132,000	74,686		August 22, 1939	1944	October, 1943	Report 126	JJR: Top of flood control pool: el. 640.	2,516,232	1,467,283	1,048,949	74,686	Jun-July 2002	TWDB	Volumetric Survey of Lake Texoma, 2003	Planning: The i
Toledo Bend Reservoir	dhenson@sratx.org	P.O. Box 579 Orange, TX 77630			172			4,477,000	181,600		May 11, 1964	1969	October 3, 1966	Report 126	JJR: (based on USGS survey 1956) M	4,477,000	4,472,900	4,100	181,600	n/a			Planning: 4100
Lady Bird Lake		P.O. Box 1088 Austin, TX 78767	Owner		428.25			6,784	477			1960		NID 2006		6,248	6,248	n/a	477	Mar/Jul-1999	TWDB	Volumetric Survey of Town Lake, 1999	
Tradinghouse Creek Reservoir	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			447			37,814	2,010		February 13, 1967	1968	July 5, 1968	Report 126	JJR: Streambed el. 390.0 +- ft; Sedim	37,800	35,110	2,690	2,010	n/a			Planning: Cooli
Travis, Lake	mark.jordan@lcra.org	P.O. Box 220 Austin, TX 78767			681			1,172,752	18,622		February 19, 1937	1942	September 9, 1940	Report 126	JJR: (based on Bureau survey 1939) (	1,132,172	1,113,902	18,270	18,622				
Trinidad Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			283			7,450	740		1925	1925	1925	Report 126	JJR: Water surface maintained above	6,200	6,200	n/a	740	n/a			Planning: zero
Twin Buttes Reservoir	will.wilde@sanangelotexas.us	72 W. College San Angelo, TX 76903	Owner		1940.2	1885		186,200	9,080	4600	May 3, 1960	1962	December 1, 1962	Report 126	JJR: (based on Bureau survey) Maxim	186,200	177,850	8,350	9,080	n/a			
Twin Oak Reservoir	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			401			30,319	2,330			1982	partial impoundment began in 1982 but the gates were kept open until power plant cc			30,319	30,319	n/a	2,330	n/a			Planning: Cooli
Tyler, Lake	mmarable@tylertexas.com	P.O. Box 2039 Tyler, TX 75710			375.38			80,900	4,880		1948	1949	November 22,1966	NID 2006, Report 126	JJR: Two lakes joined by canal May 2	80,198	73,260	6,942	4,737	May-Jun 1997	TWDB	Volumetric Survey of Lake Tyler, 2003	
Upper Nueces Lake	no email	P.O. Drawer 729 Crystal City, TX 78839			598			7,590	316			1948	1948	Report 126	JJR: Usable storage capacity 7,590 a	5,200	5,200	n/a	316	n/a			yyang: yy talke
Valley Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			611			16,400	1,080		April 18, 1960	1961	December, 1960	Report 126	JJR: (based on 1959 area capacity) C	16,400	16,400	n/a	1,080	n/a			Planning: Valle

General	Ownership	Ownership	Ownership	Ownership	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir	Reservoir
Name	Contact	Contact	Contact	Contact	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Original	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey	Last Survey
Name	**Email**	**Address**	**Contact Source**	**Contact Comments**	**Elevation of TOC (feet)**	**Dead Pool Elevation (feet)**	**Datum**	**Original Conservation Pool Total Volume (acre-feet)**	**Original Surface Area at TOC (acre)**	**Original Dead Pool Volume (acre-feet)**	**Year Construction Started**	**Year of Completion**	**Year Impoundment Began**	**Source Original Information**	**Comments Original Information**	**Last Survey Conservation Pool Total Volume (acre-feet)**	**Last Survey Conservation Pool Capacity (acre-feet)**	**Last Survey Dead Pool Volume (acre-feet)**	**Last Survey Area at TOC (acres)**	**Date of Last Survey**	**Last Survey Performed by**	**Source Last Survey**	**Comments Last Survey**
Victor Braunig Lake		P.O. Box 1771 San Antonio, TX 78296	Owner	Planning: Confirmed by Rick Thiesen 210-353-4720	507			26,500	1,350		June 6, 1961	1962	December, 1962	Report 126	JJR: First Generating unit in service A	26,500	26,500	n/a	1,350	11/22/2002			Planning: No o
Waco, Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		462			152,500	7,270		June 13, 1958	1965	February 26, 1965	Report 126	JJR: Maximum design water surface:	199,227	198,943	284	8,437	Jan-95	TWDB	Volumetric Survey of Waco Lake, 2003	
Walter E Long, Lake	james.earley@austinenergy.com	8003 Decker Lane Austin, TX 78724			556.5			33,940	1,269		May 15, 1966	1967	January 1, 1967	Report 126	JJR: Ogee Spillway Crest: el. 530.0 ft.	33,940	33,940	n/a	1,269	n/a			
Waxahachie, Lake	dbailey@waxahachie.com	P.O. Box 757 Waxahachie, TX 75168			531.5			13,500	690	1500	May 26, 1956	1956	November, 1956	Report 126	JJR: (Based on 1945 Forrest and Cott	11,386	10,779	607	656	Jul-00	TWDB	Volumetric Survey of Lake Waxahachie, 2000	
Weatherford Lake	shayes@ci.weatherford.tx.us	P.O. Box 255 Weatherford, TX 76086	owner		896			19,470	1,210		June, 1956	1957	March, 1957	Report 126		18,714	18,650	69	1,158	Apr-98	TWDB	Volumetric Survey of Lake Weatherford, 2003	
Welsh Reservoir	wgcarter@aep.com	2400 FM 3251 Hallsville, TX 75650			320			23,587	1,365			1975		NID 2006		20,242	18,431	1,811	1,269	Nov-01	TWDB	owner/Volumetric Survey of Welsh Reservoir, 2002	AEP engineers
White River Lake	no email	HCR2 Box 141 Spur, TX 79370			2369.2	2323		38,600	1,808		September 12, 1962	1963	October, 1963	Report 126	JJR: (based on 1971 Freese and Nich	31,846	29,880	1,966	1,642	Oct-92	TWDB	Volumetric Survey of White River Lake, 2003	
White Rock Lake	pdyer@mail.ci.dallas.tx.us	City Hall, 1500 Marilla, Room 6fn Dallas, TX 75201			458			18,158	1,088		1910	1911	1911	Report 126	JJR: (based on USGS survey 1970) S	9,004	9,004	n/a	1,088	Mar-93	TWDB	Volumetric Survey of White Rock Lake, 2003	
Whitney, Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		533			627,100	23,560		May 12, 1947	1951	December 10, 1951	Report 126	JJR: (based on 1959 suvery) Maximu	554,203	553,349	854	23,220	Jun-05	TWDB	Volumetric Survey of Lake Whitney, 2006	
Wichita, Lake	david.lehfeldt@cwftx.net	P.O. Box 1431 Wichita Falls, TX 76307			980.5			14,000	2,200	3000	1900	1901	1901	Report 126	JJR: The city has discontinued the us	14,000	14,000	n/a	2,200	n/a			Planning: estim
Winters / New Lake Winters, Lake	no email	310 South Main Winters, TX 79567			30			8,374	643			1983	1983			8,374	8,374	n/a	643	n/a			
Worth, Lake	Paul.Bounds@fortworthgov.org	1000 Throckmorton Fort Worth, TX 76102			594.3			38,130	3,560		1912	October 1914	June 1914	Report 126		33,495	24,500	8,995	3,458	May-01	TWDB	Volumetric Survey of Lake Worth, 2002	Planning: zero
Wright Patman Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	owner		220			145,300	20,300		August 20, 1948	May 19, 1954, Operatio	July 2, 1953 (tempor	Report 126	**RAI:** Top of surcharge pool: el 278.9,	110,900	110,900	47	18,994	1/1/1997	TWDB	Volumetric Survey of Lake Wright Patman, 2003	
Tyler, Lake	mmarable@tylertexas.com	P.O. Box 2039 Tyler, TX 75710			375.38			80,900	4,880		1966	1967		Report 126	JJR: Two lakes joined by canal May 2	80,198	73,260	6,942	4,737	May-Jun 1997	TWDB	Volumetric Survey of Lake Tyler, 2003	
Graham, Lake	gramgr@wf.net	P.O. Box 1449 Graham, TX 76450	Owner		1076.3			53,680	2,550		September 17, 1956	1958	April 28, 1958	Report 126, Volumetric S	JJR: (capacities from survey made in	45,302	45,260	42	2,444	Apr-98	TWDB	Volumetric Survey of Lake Graham, 1998	

All references to left and right are facing

declining to respond
responded to survey, did not specify wh
responded to survey, permission to share with TWDB
permission to share with TWDB
did not respond to survey

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
Abilene, Lake				110			RAI: 101 in NID 2006; 110 in Report 126	water supply, recreation	earthfill	2024	5040	64 (NID 2006); 51 (Report 126)	16	NID 2006, Report 126	wetted and rolled embankment	1941, 1957, 1980	Extensive Repairs, 1980-rehabilitation	Report 126, FNI files		uncontrolled	Left of concrete s	2018	500		Report 126
Alan Henry Reservoir				394	394			water supply, recreation, irrigation	earthfill	2263	4150	141	20	NID 2006	zoned earthen embankment with slurry trench					uncontrolled	right side of reser	2240	240	470530	NID 2006
Alcoa Lake				6			Water is pumped from the Little River	industrial	earthfill	475	5430	53 (NID 2006); 50 (Report 126)	15	NID 2006, Report 126	earth core dam					none					NID 2006, Report 126
Amistad, International Reservoir				126,423		Report 126	82,690 square miles in U.S.	recreation, flood control, hydroelectric, irrigation	earthfill	1152.3	32000	254	35	NID 2006, Report 126	dam is earthfill and concrete; 9585 ft of length in U.S., earth core dam	1996		NID 2006		none					
Amon G Carter, Lake			increased to 28589 in 1983	100	99.8			water supply, recreation, irrigation, other	earthfill	945	2540	71	20		soil foundation, homogenous earth dam, wetted and rolled embankment (JCM's list of engr assignments on dams)	1983	Enlarged	HDR Engineering Study 1981, HDR 1985		uncontrolled	left end of dam	927	700	149460	NID 2006, Report 126
Anahuac, Lake	dead pool storage is assumed becaus		normal pool elevation lowere	199	199	Report 126	main source of water is pumpage from Tr	water supply, industrial, irrigation, tailings	earthfill	9	59000	10	8	2006 Volumetric Survey	Actually a levee	1992	Constructed 2nd spillway, 150'x25-' 4'MSL			uncontrolled	part of levee emb	8	1200	13600	Volumetric Survey 2006
Aquilla Lake	(January 1999 sur	Volumetric Survey of Aquilla Lake, 2003		252	252	book of COE dams		water supply, recreation, flood control, fish/wildlife	earthfill	582.5	11890	104.5	38	NID 2006	rock and soil foundation, earth core dam					uncontrolled limit	left abutment of th	564.5	1200	126800	NID 2006
Arlington, Lake	report is 2003, but the survey was completed in 199			143				water supply, recreation, other	earthfill	572 top of dam 5	6482	89 (NID 2006); 83 (Report 126)	24	NID 2006, Report 126	soil foundation, homogenous earth dam, wetted and rolled embankment (JCM's list of engr assignments on dams)	1995 to1996 2004	5.5 foot parapet wall in 1996 security measures and rock riprap repair in 2004	FNI Design for both		uncontrolled	right abutment, 5(	559.7	882 (Report 126);	70032	NID 2006, Report 126
Arrowhead, Lake				832	557	Report 126	275 sq. mi. of drainage area is above Lak	water supply, flood control	earthfill	944	15900	62	25	NID 2006, Report 126	soil foundation, earth core dam					none					
Athens, Lake				22		NID 2006, Report 126		water supply, recreation	earthfill	453	3000	57 (NID 2006); 67 (Report 126)	20	NID 2006, Report 126	soil foundation, earth core dam					uncontrolled	left of the dam	446	350 (NID 2006); 300 (Report 126)	14291	NID 2006, Report 126
Austin, Lake				38,240	26,837	NID 2006, Report	Runoff is largely regulated by upstream st	water supply, hydroelectric	gravity, slab a	519	1590	85		NID 2006, Report 126	Concrete gravity overflow, piers and slab with gated spillway, and rock fill sections; Height to top of bridge 100'	2003	rehabilitation			uncontrolled	right end of dam	492.8	458 concrete ogee (Report 126); 917 total (NID 2006)	1382697 (NID 2006); 154000 (Report 126 - for Uncontrolled Section)	NID 2006, Report 126

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
B A Steinhagen Lake				7,573	7,573	book of COE dams		water supply, recreation, hydroelectric	earthfill	95	6698	45	25	NID 2006, Report 126	paved earthfill	1988	hydropower facility constructed	owner		uncontrolled	right side of dam	85	6100	218300	NID 2006, Report 126, owner
Ballinger / Lake Moonen, Lake				232	232	December 2001 WAM Final Report by R. J. Brandes Compar		water supply, recreation	earthfill	1702	6200	76		NID 2006	homogenous earth dam					uncontrolled		1673.5	1000	234034	NID 2006
Balmorhea, Lake				22		Report 126		irrigation	earthfill	3192	4000	44 (NID 2006); 46 (Report 126)		NID 2006, Report 126						none					
Bardwell Lake				178	148	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, recreation, flood control	earthfill	460	15400	82	20	NID 2006, Report 126	earthfill					uncontrolled	right abutment	439	350	78000	NID 2006, Report 126, owner
Bastrop, Lake	w outlet work, water released through tainter gate. Therefore, consic			9	9	Report 126, Decem	Runoff is supplemented by pumping from	recreation, industrial	earthfill	458	4000	88	20' 16' on embankment	NID 2006, Report 126	clay core and random shells					none					
Baylor Lake				40				water supply, recreation	earthfill	1829	3383	50 (NID 2006); 66 (Report 126)	16	NID 2006, Report 126						uncontrolled	left end of dam	1820	500	19978	NID 2006, Report 126
Belton Lake				3,560	3,560	book of COE dams		water supply, recreation, flood control, irrigation	earthfill	662	5524	192	30	NID 2006, Report 126	rolled earthfill					uncontrolled	left abutment	631	1300	472500	book of COE dams
Benbrook Lake				429	320			water supply, recreation, flood control	earthfill	747	9130	130	20	NID 2006, Report 126	rolled earthfill					uncontrolled	left abutment	724	500	17200	NID 2006, Report 126
Bob Sandlin, Lake				239 (uncontrolled drainage area = 127.8	Monticello Dam = 36.2, Cypress Springs = 75.0			water supply, industrial	earthfill	349	dam & appurtenan	69	25	NID 2006, Report 126						uncontrolled	Near left end of d	341.3	4660 (NID 2006); 4500 (Report 126)	234602	NID 2006, Report 126

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
Bonham, Lake	March 2004 survey	Planning; estimated based the rating curve in T		29		Report 126		water supply, industrial	earthfill	584	4860	59 (NID 2006); 70 (Report 126)	18.5	NID 2006, Report 126	wetted and roller embankment	1989				uncontrolled	right of dam	571	400	14600	NID 2006, Report 126
Brady Creek Reservoir				523	523	December 2001 W	Part of runoff is controlled by U.S. Soil Co	water supply, industrial, recreation	earthfill	1783	8400	104	36	NID 2006, Report 126	wetted and rolled embankment	1989				uncontrolled	right end of dam	1762.4	1000	368990	NID 2006, Report 126
Brandy Branch Cooling Pond	dead pool is assumed because of the cooling pon			4		NID 2006		industrial	earthfill	351	3200	80	20	NID 2006	soil foundation, soil cement on upstream face from elev 330 to 345	1985 or 1986	added a berm on D/S slope at elevation 288 that is approx 50 feet wide	owner		uncontrolled	right abutment	342.5	100	2400 at elev 348	NID 2006, owner
Brazoria Reservoir				0	0	Report 126	Reservoir level is maintained by pumping	industrial	earthfill	35	39861	20 (NID 2006); 16 avg (Report 126)	14	NID 2006, Report 126	variable height levee					none					
Bridgeport, Lake				1,111	1,085	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, flood control	earthfill	874	2040	130	16	NID 2006, Report 126	wetted and rolled embankment	1971, 1972	Enlargement	Report 126		uncontrolled	left of dam	866	700	99600	
Brownwood, Lake				1,535	1,535	Report 126, December 2001 WAM Final Report by R. J. Brar		water supply, recreation, flood control	earthfill	1470	1580	120	21	NID 2006, Report 126	earthen embankment	1982	dam was raised and widened	owner, FNI files		uncontrolled	800 ft to left of Da	1424.6	479	40000	NID 2006, Report 126
Bryan Utilities Lake				2		NID 2006		industrial	earthfill	372.5	20000	59		NID 2006	homogenous earth dam					none					
Buchanan, Lake				31,828	20,512	NID 2006, Report 126, December 2001 WAM Final Report by		water supply, hydroelectric	multi-arch	1025.35	10987	145.5 in Report 1	33.8	NID 2006, Report 126		1994				uncontrolled	north end	1020.35	1,100	1339388	NID 2006, Report 126
Caddo Lake				2,700		NID 2006	includes Lake O'the Pines	water supply, recreation	earthfill	176	860	52 (NID 2006); 36 (Report 126)	30	NID 2006, Report 126	concrete wall 860' at 168.5, concrete wall 1,540 ' at 170.5, earth embankment 1,225' at 176, concrete wall 100' at 176	1968	Updated	Report 126		none					
Calaveras Lake				65		NID 2006, Report 126		industrial	earthfill	498	6000	79 (NID 2006); 70 (Report 126)	24	NID 2006, Report 126	impervious clay core with gated spillway					none					
Canyon Lake	ated from the original designed rating curve			1,432		NID 2006, Report 126		water supply, recreation, flood control, hydroelectric, strear	earthfill	974	6830	224	20	NID 2006, Report 126	rolled earthfill with spillway in saddle 2,500' from right abutment	1988	non-federal hydropower facility constructed			uncontrolled	right bank about 3	943	1260	502800	NID 2006, Report 126
Casa Blanca Lake	tlet works.			117	117			recreation	earthfill	467	5000	76 (Report 126);	40 (average)	NID 2006, Report 126		1978	crest of dam raised, service spillway widened			uncontrolled	near the right abu	458.6	800		
Cedar Bayou Generating Pond	dead pool storage is assumed because of the cooling operation of the reserv				180	NID 2006		industrial	earthfill	10	23230	10		NID 2006	soil foundation, earth core dam					none					
Cedar Creek Reservoir Colorado				6				industrial	earthfill	401	10500	106		NID 2006	upstream facing earth dam	1962	Unclear - two bid tabs that say "spillway;" one "spillway excavation"	bid tabs		none					

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
Cedar Creek Reservoir Trinity				1,007	954	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, recreation, irrigation	earthfill	340	17539	91	20	NID 2006, Report 126	wetted and rolled embankment					none					
Champion Creek Reservoir				203	186	NID 2006		water supply, industrial	earthfill	2109	6800	114	20	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	right end of emba	2091	450 (Report 126); 5	85290	NID 2006, Report 126
Cherokee, Lake				158		Report 126		water supply, recreation, industrial	earthfill	295	4000	42	20	NID 2006, Report 126, TWDB 2004 Volumetric Survey		1958	extensive repairs were made to the service spillway concrete apron	Report 126		uncontrolled	Near right end of	287.7	160	120000	NID 2006, Report 126
Choke Canyon Reservoir				5,490		NID 2006		water supply, recreation, other	earthfill	241.14	18504	112	33	NID 2006	soil foundation, upstream facing soil cement					none					
Cisco, Lake	s the operational storage. Designed capacity is 26,000 af at 1520 ft			26		Report 126	Water is pumped from Battle Creek to sup	water supply, recreation	concrete	1528.5	1060	133.5 to roadway	31	NID 2006, Report 126	flat slab and buttress, Roadway elevation 1,534.75 ft above msl					none					
Clyde, Lake				38	37	December 2001 WAM Final Report by R. J. Brandes Compar		water supply	earthfill	1888.9	3950	63	20	NID 2006, Report 126						uncontrolled	Near left end of D	1881.4	400	21870	NID 2006, Report 126
Coleman, Lake				292	292	NID 2006, December 2001 WAM Final Report by R. J. Brand		water supply, industrial, recreation	earthfill	1740	3200	90	20	NID 2006, Report 126	wetted and rolled embankment					uncontrolled		1726	1500	265923	NID 2006, Report 126
Coleto Creek Reservoir				507				industrial	earthfill	120	19300	65		NID 2006	soil foundation, earth core dam					uncontrolled		107.3	2000	117240	NID 2006
Colorado City, Lake				322	302	December 2001 WAM Final Report by R. J. Brandes Compar		water supply, recreation, industrial,	earthfill	2090	4800	85	28	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	600 ft from left en	2073.4	1200	150000	NID 2006, Report 126
Conroe, Lake				445				water supply, recreation, irrigation	earthfill	212	11300	82	20	NID 2006, Report 126	wetted and rolled embankment					none					
Corpus Christi, Lake				16,656	16,656		Coke Canyon controls some fo the draina	water supply, recreation	earthfill	106	5980	75 (Report 126);	51	NID 2006, Report 126	alluvial foundation	1966 (removal of au	modification of gatesfollowing damage from hurricane,gtae repairs in 1996 and stabilization in 2001	Report 126, FNI files		controlled	north end	88	2400	1853758	NID 2006, Report 126
Creek Lake, Lake	ng pond.			17	14	Report 126	Runoff is supplemented by pumping from	industrial	earthfill	410	1860	50 (Report 126); 5	20	NID 2006, Report 126	earthen embankment					uncontrolled	right end of dam	406	700	4200	NID 2006, Report 126
Crook, Lake				52		Report 126		water supply, recreation	earthfill	484	3100	38	17	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	Near Center of Da	476	300	30794	NID 2006, Report 126
Cypress Springs, Lake				75		Report 126		water supply, industrial	earthfill	395 to 397.5	5230	74	44	NID 2006, Report 126	road across dam	2008	Re-slope D/S slope	Franklin Co Dam owner		uncontrolled	left of dam	385	1000	69257	NID 2006, Report 126
Daniel, Lake				115				water supply, flood control	earthfill	1294.6	2655	60 (report 126); 5	18	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	left end of dam	1284.5	1500	222020	NID 2006, Report 126
Davis, Lake				39	39			irrigation	earthfill	1408	6864	32		NID 2006	homogenous earth dam, wetted and rolled embankment country (JCM's list of engr assignments on dams)					uncontrolled		1404	3500		NID 2006
Diversion, Lake	d the rating curve in T drive, the estimated dead pool is zero			2,194		NID 2006, Report 1	Water is released from Lake Kemp to mai	irrigation	earthfill	1073.9	4120	55 (Report 126), 5	16	NID 2006, Report 126		1975 concrete overl	see years	Owner		uncontrolled	right end of dam	53.5 concrete 1051+	RCC 1425 (Owner)	377626	NID 2006, Report 126
Dunlap, Lake				1667 total ; Below Canyon Dam 235		NID 2006	flow partly regulated by Canyon Dam	hydroelectric	earthfill	589.7	2000	41		NID 2006, Report 126	earthfill with concrete spillway					none					
E V Spence Reservoir				5,018	5,018	NID 2006, Report 1	2695 contributing (Report 126)	water supply, industrial, mining, recreation	earthfill	1928	21500	140	21	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	right end of dam	1908	3200	796007	NID 2006, Report 126
Eagle Lake				20	20	Report 126, Decen	Water is pumped from Colorado river whe	irrigation	earthfill	1700	5300	Varies, 6ft. +-		Report 126						none					
Eagle Mountain Lake				1,970	1,949	1991 FNI PMF Update for Eagle Mountain and Bridgeport		water supply, recreation, flood control	earthfill	682	4800	85	25	NID 2006, Report 126	JJR: Two sections of earthfill and a concrete spillway separated by high ground of Eagle Mountain and Burgess Gap	1971	Spillway	Report 126		uncontrolled	At Burgess Gap, l	670 bottom of fuse p	1300 (Report 126);	125100	NID 2006, Report 126
Eagle Nest Lake								irrigation																	

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
Electra, Lake				15				water supply, flood control	earthfill	1120.8	4500	40		NID 2006	rock and soil foundation, homogenous earth dam, wetted and rolled embankment (JCM's list of engr assignments on dams)					uncontrolled		1112.5	400	20687	NID 2006
Ellison Creek Reservoir	is diverted by pumps for cooling			37				industrial	earthfill	280.1	4000	48.5 (Report 126)	18	NID 2006, Report 126		1999	RCC stilling basin construction	FNI		uncontrolled	right of the dam	273.1	1500 (Report 126),	39149	NID 2006, Report 126
Fairfield Lake	tlet works, and cooling pond			34	34	Final 2002 WAMs	for the Trinity, Trinity-San Jacinto, and Nec	industrial	earthfill	322	4350	77	25	NID 2006, Report 126						uncontrolled	Right end of dam	314	500 (Report 126); 7	32260	NID 2006, Report 126
Falcon, International Reservoir				164,482		Report 126	87,760 is in US	water supply, flood control, hydroelectric, irrigation	embankment (	323	26294	150	35	NID 2006, Report 126	earthfill and concrete					none					
Lake Nocona				94				water supply, industrial	earthfill	847	3720	77	20	NID 2006, Report 126	wetted and rolled embankment	1994	spillway widening	FNI files		uncontrolled	near left end of da	835	400 ft each (2 sectic	10899	NID 2006, Report 126
Forest Grove Reservoir	dead pool storage is assumed because it is a lake for industrial us			59	59			industrial	earthfill	376	3886	54	20	NID 2006	soil foundation, earth core dam					uncontrolled	right abutment	362	1000	104900	NID 2006
Fork Reservoir, Lake	s from the rating curve in T drive			493				water supply, municipal, industrial, irrigation	earthfill	419.5	12410	79	25	NID 2006	soil foundation, homogenous earth dam					none					
Fort Phantom Hill, Lake	ximately 9 feet low at the time			478				water supply	earthfill	1650	3740	84	25	NID 2006	wetted and rolled embankment					uncontrolled	0.7 miles from rig	1642	7000 (July 2005 in	578139	NID 2006, Report 126
Georgetown, Lake				247	247	per owner		water supply, recreation, flood control	rock fill	861	6650	162	30	NID 2006, Report 126	Type:earthfill and rockfill; impervious core					uncontrolled	Right end of dam	834	1000	284000	NID 2006, Report 126
Gibbons Creek Reservoir				75		NID 2006		recreation, industrial	earthfill	261	6300	41	28	FN-TMP1991, 1991 Breach Analysis for Gibbons Creek Dam	soil foundation, homogenous earth dam					uncontrolled	left end of dam	250	1500	26000	NID 2006, FN-TMP1991, 1991 Breach Analysis for Gibbons Creek Dam
Gilmer, Lake				36				water supply	earthfill	328.5	2550	43		NID 2006		2001				uncontrolled		319	800	71100	NID 2006
Gonzales (H-4), Lake				2048 total : Below Canyon 616		NID 2006		recreation, hydroelectric	earthfill	346	2170	42		NID 2006	earthfill with concrete spillway, wetted and rolled embankment (JCM's list of engr assignments on dams)					none					
Graham, Lake				221		Volumetric Survey of Lake Graham, 1998		water supply, industrial	earthfill	1093.3	4495	57	20	NID 2006, Report 126	wetted and rolled embankment	1958	enlargement, embankment lengthened to 4495, and raised to a maximum height of 57' with a crest elevation of 1093.3'	Report 126		uncontrolled	right end of Grahi	1076.3	1050		Report 126, Volumetric Survey of Lake Graham, 1998
Granbury, Lake	BRA datum			25,679	16,113	NID 2006, Report :	9,240 square miles is probably not contrib	water supply, industrial, irrigation, mining	concrete	706.2	2200	84	17	NID 2006, Report 126	Earthfill with slab-and-buttress (i.e. - Ambursen) spillway section	1998-2000	added electric hoists to each spillway gate	owner		none					
Granger Lake				730	463	NID 2006, Report :	JJR: 463 square mile incremental	water supply, recreation, flood control	earthfill	555	16190	114	30	NID 2006, Report 126	rolled earthfill	1975	completion of dam and spillway			uncontrolled	right abutment	528	950	342330	NID 2006, Report 126
Grapevine Lake				695	695	Final 2002 WAMs	for the Trinity, Trinity-San Jacinto, and Nec	water supply, recreation, flood control	earthfill	588	12850	137	28	NID 2006, Report 126		1984, 1986	embankment modification, spillway modification			uncontrolled	right of the dam	560	500	182,500	Report 126
Greenbelt Lake				547	356	NID 2006, Report :	191 square miles is probably non-contribu	water supply, industrial	earthfill	2686	5800	110 (report 126);	20	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	left of dam	2674	1450	313545	NID 2006, Report 126
Galveston County Reservoir				1		NID 2006		industrial	earthfill	25	25281	14		NID 2006	homogenous earth dam					none					
Halbert, Lake	dead pool storage is assumed. TWDB survey report does not specif			12	12	Report 126	Runoff is supplemented by pumping wate	water supply	earthfill	375	2780	49	16	NID 2006, Report 126						none					
Hords Creek Lake	ated from the original rating curve			48	48	December 2001 WAM	Final Report by R. J. Brandes Compar	water supply, recreation, flood control	earthfill	1939	6800	91	24	NID 2006, Report 126	rolled earthfill	1985	embankment widened			uncontrolled	saddle on right ba	1920	500	60800	NID 2006, Report 126
Houston County Lake				44	44	Final 2002 WAMs	for the Trinity, Trinity-San Jacinto, and Nec	water supply, recreation	earthfill	277	1250	63	20	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	Right end of dam	265	500	38150	NID 2006, Report 126

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
Houston, Lake				2,828	2,828			water supply, recreation, industrial, irrigation	earthfill	62.3	12097	concrete 46 ft, ea	varies	NID 2006, Report 126	Concrete Buttress (NID 2006), concrete spillway section (Report 126)	1971, 1988	1971 :Erosion Control	Report 126		none					
Hubbard Creek Reservoir				1,107				water supply, industrial, minimg	earthfill	1208	15150	112	20	NID 2006, Report 126	wetted and rolled embankment	1994	spillway basin modified	NID 2006		uncontrolled	near left end of d	1194.0; 4,000 ft fuse	2000	480387	NID 2006, Report 126
Hubert H Moss Lake				65				water supply, industrial	earthfill	740 and 741	1460	93	varies 17 to 40	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	near left end of da	725	400	114858	NID 2006, Report 126
Imperial Reservoir								water supply	earthfill		11200	28		NID 2006	soil foundation, homogenous earth dam					none					NID 2006
Inks Lake				31,868	620	Report 126, Decen	11900 square miles is probably noncontrit	recreation, hydroelectric	gravity	922	1457.5	96.5 (Report 126)	16.5	NID 2006, Report 126	Concrete Gravity					uncontrolled		888.3	871	1207697	Report 126, NID 2006
J B Thomas, Lake				3,524	1,018	Report 126	JJR: 2,590 miles is probably noncontribut	water supply, recreation	earthfill	2280	14500	105	28	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	1) left abutment d	1) 2,264 ft, 2) 2,267.	1) 500 ft, 2) 1,600 ft	161000	NID 2006, Report 126
Jacksonville, Lake				34		NID 2006		water supply, recreation	earthfill	438	2700	72 (Report 126);	16	NID 2006, Report 126		1987		NID 2006		uncontrolled	Right end of dam	431	350	26588	NID 2006, Report 126
Jim Chapman Lake				476	476	NID 2006, Report	JJR: Above USGS streamflow gauge on S	water supply, recreation, flood control	earthfill	464.5	28072	78.5	30	NID 2006, Report 126	rolled earth fill					uncontrolled	right abutment	446.2	700	134700	NID 2006, Report 126
Joe Pool Lake				232	232	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, recreation, flood control, fish/wildlife	earthfill	564.5	24340	108.5	30	NID 2006	rolled earthfill	1989, 2004	embankment repair	NID 2006		uncontrolled limited service	embankment stat	541	50	11900	NID 2006
Johnson Creek Reservoir	is diverted by pumps for cooling			11		Report 126	Water may be purchased from Lake O' th	industrial	earthfill	296	2530	60	20	NID 2006, Report 126	4" concrete slab on U/S face from elev 272 to 290, wetted and rolled embankment (JCM's list of engr assignments on dams)	none				uncontrolled	right of dam	286	300	14639	NID 2006, Report 126
Kemp, Lake				2,086		NID 2006		water supply, irrigation	earthfill	1183	8890	115	top width at ou	NID 2006, Report 126		1969	rebuilt dam	Report 126	completion in 1973	uncontrolled	right side of dam	1160	3000	534300	NID 2006, Report 126
Kickapoo, Lake				275		NID 2006		water supply, flood control	earthfill	1062	8200	62 (Report 126);	16	NID 2006, Report 126	earthen					none					
Kirby, Lake				44		NID 2006		irrigation	earthfill	1795	4200	50	20	NID 2006, Report 126						uncontrolled	Western side of th	1790.9	6500	104000	NID 2006, Report 126
Kurth, Lake	is pumped. No outlet works			4		NID 2006	Off-channel storage by pumping makes th	industrial	earthfill	206	8600	37 (Report 126);	16	NID 2006, Report 126	earthfill levee					none					
Lavon Lake	tal conservation volume before updated is 456500 acft. The update			770	770			water supply, recreation, flood control	earthfill	514	19493	81	30	NID 2006, Report 126		1970	Embankment raised and spillway	Report 126, owner	Completed in 1974	controlled	right end of dam	475.5	480	357700	NID 2006, Report 126
Leon, Lake				252				recreation, municipal, industrial	earthfill	1398	3700	90	20	NID 2006, Report 126	wetted and rolled embankment, U/S face slope is 2.75:1, D/S face slope is 2.25:1 (slopes per owner)	1982 (D/S slide repa		owner		uncontrolled	north or left end o	1382	1200	230367	NID 2006, Report 126
Lewis Creek Reservoir	dead pool storage is assumed because there is no outlet work			4	Unknown - basically plant pr	Report 126	JJR: Water will be purchased by contract	hydroelectric	earthfill	274	12836	60 ft at 3rd and 4t	18	NID 2006, Report 126		none				none					
Lewisville Lake				1,660	968	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, recreation, flood control, fish/wildlife, hydroel	earthfill	560	32888	125	20	NID 2006, Report 126	length includes spillway	1979	modified embankment, upstream berm	NID 2006, owner		uncontrolled	left abutment	532	560	157120	NID 2006, Report 126
Limestone, Lake				675	675	NID 2006		water supply, recreation, industrial, irrigation	earthfill	380	9100	78	20	NID 2006						uncontrolled	east of dam (left c	370	3000	114160	NID 2006
Livingston, Lake				16583 per USGS	7,081	NID 2006		water supply, recreation	earthfill	145	14400	45' to 60', 90' in ri	24	NID 2006, Report 126	earthfill with concrete spillway					none					
Loma Alta Lake				0		Report 126	Water is diverted from the Rio Grande wh	Store water diverted from the Rio Grande (Permit 1838)	earthfill			18	18	Report 126	earth dike					none					
Lost Creek Reservoir				29	25.6	NID 2006, Final 2002 WAMs for the Trinity, Trinity-San Jacint		water supply	earthfill	1028.9	2250	99		NID 2006, Repo						uncontrolled			1200	0	NID 2006

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
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Lyndon B Johnson, Lake				36,823	5,000	NID 2006, Report 1	11,900 square miles is probably non cont	water supply, recreation, industrial, hydroelectric,	earthfill	838	5491.4	118.29	26	NID 2006, Report 126	Concrete and Earthfill	1996	soil cement overtopping protection, anchored non-overflow section			none					
Mackenzie Reservoir				188		NID 2006		water supply, industrial	earthfill	3126	3280	174 (Report 126)	20 ft + soil cem	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	right end of dam	3110	800	77900	NID 2006, Report 126
Manor Lake																									
Marble Falls, Lake				36,325	35	NID 2006, Report 1	11,900 square miles is probably non cont	water supply, recreation, hydroelectric	concrete	766	860	98.8		NID 2006, Report 126	concrete with crest gates. 98.8 ft to top of control piers, length includes the powerhouse	2003	anchors	owner	no specific modificat	none					NID 2006, Report 126
Martin Lake				130	130	March 2005 Martin Lake Dam EAP		industrial	earthfill	321.5	6875	61 ft(Report 126)	20	NID 2006, Report 126	earthen impervious clay core					uncontrolled	left of the dam	312	1000	45300	NID 2006, Report 126
Medina Lake				634		Report 126		water supply, irrigation,	concrete	1076.2	1580	164	25	NID 2006, Report 126	gravity concrete structure					none					
Meredith, Lake				15140 (9090 below Conchas, 6050 belo	16,048	Report 126	4,172 square miles noncontribting	water supply, flood control, municipal, industrial	earthfill	3011	6380	228	40	NID 2006, Report 126						controlled	left abutment				Report 126
Millers Creek Reservoir				228				water supply, industrial, mining	earthfill	1355	9250	75	20	NID 2006, Report 126	earthen embankment					uncontrolled	upstream from lef	1340	3000	375000	NID 2006, Report 126
Mineral Wells, Lake	r supply diversion is pumped from lake as indicated by reservoir pla			63		NID 2006, Report 126		water supply	earthfill	873.9	1650	73.9 (Report 126)	20	NID 2006, Report 126		1921, 1972, 1975, 1	1921 raised spillway, 1972 free overfall secondary spillway, 1975 primary spillway discharge apron, 1993 state of texas DOT roadway replacement	owner				848	252		owner
Mitchell County Reservoir				15	15	NID 2006		water quality	earthfill	2213	4850	93		NID 2006	soil foundation, earth core dam					uncontrolled		2201	270	19608	NID 2006
Monticello Reservoir	is pumed for cooling			36				industrial	earthfill	352	3200	54	40	NID 2006, Report 126	impervious clay core					uncontrolled	right of the dam	343.5	1000	38000	NID 2006, Report 126
Mountain Creek Lake	dead pool storage is assumed because it is a cooling pon			295	71			industrial	earthfill	467	8200	47	16	NID 2006, Report 126	earthfill with concrete spillway	1953	the original tainter gates were modified to raise the normal maximum operating level from 457 ft msl to 458 ft msl	Owner		none					
Murvaul, Lake				115				water supply, recreation	earthfill	280	8300	46	10	NID 2006, Report 126	soil foundation, earth core					none					
Nacogdoches, Lake				89		NID 2006		water supply, recreation	earthfill	303	4350	75			homogenous earth dam					uncontrolled		286.1	500	50160	NID 2006
Nasworthy, Lake				3,833	2,920	Report 126	3,724 sqaure miles is above Twin Buttes	water supply, recreation	earthfill	1883.5	5480	50 (Report 126), 4	20	NID 2006, Report 126	earthfill					uncontrolled		1,879.1 (300') and	1300 and 600 ft (Rep	659064	NID 2006, Report 126
Navarro Mills Lake				320	320	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, recreation, flood control	earthfill	457	7570	82	20	NID 2006, Report 126	earthfill with gated spillway					controlled	Left end of dam	414	240	224000	NID 2006, Report 126
New Terrell City Lake	d pool elevation is 489, then the dead pool storage is 800 acf			14		NID 2006		water supply, recreation, fire/stock	earthfill	514.2	4900	45 (Report 126); 4	14	NID 2006, Report 126		1969	increase height of dam and change spillway	Report 126		uncontrolled	near right end of	509.8	500	22468	NID 2006, Report 126
North Fork Buffalo Creek Reservoir				33		Report 126		water supply	earthfill	1056.3	4645	47 (Report 126) 4	14	NID 2006, Report 126						uncontrolled	near left end of d	1050	600 (Report 126), 6	34271	NID 2006, Report 126
North Lake				3	3	NID 2006, Report	Runoff is supplemented by pumping wate	industrial	earthfill	515	7146	65	12	NID 2006, Report 126	earthfill dam and concrete side channel spillway		wave wall added	FNI files		none					
O C Fisher Lake				1,511	1,383	December 2001 WAM Final Report by R. J. Brandes Compa		water supply, flood control	earthfill	1964	40885	128	20	NID 2006, Report 126	rolled earth fill	1961	repair of riprap	NID 2006		uncontrolled	south of the emb	1938.5	1150	356200	NID 2006, Report 126

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
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O H Ivie Reservoir				12,647	12,647	NID 2006, December 2001 WAM Final Report by R. J. Brand		water supply, recreation	earthfill	1584	15950	148		NID 2006					structural	controlled		1562	0	0	NID 2006
O' the Pines, Lake				880		NID 2006		water supply, recreation, flood control, water quality	earthfill	277	10600	97	30	NID 2006, Report 126						uncontrolled	left end of dam	249.5	200	68200	NID 2006, Report 126
Oak Creek Reservoir				244	238	December 2001 WAM Final Report by R. J. Brandes Compar		water supply, industrial	earthfill	2014	3800	95	36	NID 2006, Report 126						uncontrolled	fill in natural sadd	2005	800 (Report 126); 1	112300	NID 2006, Report 126
Olney / Lake Cooper, Lake				13		NID 2006		water supply, recreation	earthfill	1162.3	2508	Lake Cooper 49 ft		NID 2006	Planning: lakecooper1954,lakeolney193SPlanning: lakecooper1155,lakeolney1158,lakeolneyspillway1148Planning: lakecooper2108ft,lakeolney1400ft					uncontrolled		1154	Lake Cooper 500 ft.	0	NID 2006
Palestine, Lake				839	unknown	Report 126, owner		municipal, industrial, irrigation, domestic	earthfill	364	5720	75	20 to 21.3 ft	NID 2006, Report 126		1971, 1996 and 200	1971: Completion of Phase III of construction of reservoir enlarging from 6800 acres to 25,560 acres 1996: Spillway chute weephole modifications 2001: Erosion protection (add 36" riprap behind spillway wingwalls)	Owner	Outlet structure was	none					
Palo Duro Reservoir	lated using rating curve in T drive based the 2828 elevation on rese			614	440	NID 2006		water supply, recreation	earthfill	2943	3800	139	44	NID 2006	rockfill earth dam					uncontrolled	right abutment	2915	600	237500	NID 2006
Palo Pinto, Lake				471				water supply	earthfill	898	1255	96	22	NID 2006, Report 126	wetted and rolled embankment	1965, 1994	1965: Enlargement	NID 2006, Report 126		none					
Pat Cleburne, Lake				100				water supply	earthfill	753	4900	78	25	NID 2006, Report 126	earthfill					uncontrolled	Right end of dam	744	500 (Report 126); 6	99580	NID 2006, Report 126
Pat Mayse Lake				175		Report 126		water supply, industrial	earthfill	488.5	7080	96	32	NID 2006, Report 126						uncontrolled	right of the dam	477	100	4450	NID 2006, Report 126
Peacock Site 1A Tailings Reservoir				2		NID 2006		tailings	earthfill	435	2000	121	15	NID 2006 FNI files	earthen embankment	1989	emergency spillway mods. 8' wide channel, 4' culvert crest at 400	NID 2006		uncontrolled	right side of reser	400	200 originally 8' cha	2540	NID 2006
Pinkston Reservoir				14		NID 2006		water supply, flood control	earthfill	311.2	2600	64		NID 2006	homogenous earth dam					uncontrolled		308.6	250	5620	NID 2006
Possum Kingdom Lake				23,596	14,030	NID 2006		water supply, industrial, hydroelectric, irrigation, mining	concrete slab	1024	2740	189 (Report 126);	14.8	NID 2006, Report 126	Ambursen-type, buttress with flat-slab deck and an earthen dike.	1994	ballast, stabilization gate rehab, E/S and stilling basin extension	NID 2006		uncontrolled	right side of dam	1000	1400	473000	owner
Proctor Lake				1,265	1,265			water supply, recreation, flood control	earthfill	1206	13460	86	30	NID 2006, Report 126	concrete spillway	1964		NID 2006		controlled	abutment at the ri	1162	440	431800	NID 2006, Report 126
Ray Hubbard, Lake				1,071	301	Owner		water supply	earthfill	450	12500	68	22	NID 2006, Report 126		1996	installation of hydrostatic pressure abatement pumps	NID 2006		none					
Ray Roberts, Lake				692	676	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, recreation, flood control, fish/wildlife, water q	earthfill	665	14980	141	46	NID 2006	rolled earth fill	1990	relief wells and seepage collector system	NID 2006		uncontrolled limite	right abutment	645.5	100	14500	NID 2006
Red Bluff Reservoir				20,720		NID 2006		irrigation, hydroelectric power	earthfill	2856	9230	102 (Report 126);	25	NID 2006, Report 126						uncontrolled	right of the dam	2844.7	790 (Report 126); 1	389749	NID 2006, Report 126
Red Draw Reservoir				3	3	NID 2006		industrial, water quality	earthfill	2452	1600	72		NID 2006	homogenous earth dam					uncontrolled		2446.8	450	0	NID 2006
Richland-Chambers Reservoir				1,957	1,375	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		water supply, recreation	earthfill	330	31000	96		NID 2006	soil foundation, earthen embankment (JCM's list of engr assignments on dams)					controlled		324.5	0	600000	NID 2006
River Crest Lake	idet works because of cooling pond			0		NID 2006	Water is pumped from the Sulphur River	industrial	earthfill	335	14770	23	10	NID 2006, Report 126	earthfill, three sided dike					none					
Sam Rayburn Reservoir				3,449	3,449			water supply, recreation, flood control, hydroelectric, fish/w	earthfill	193.6	16190	120	42	NID 2006, Report 126	length includes embankment and dikes	1982, 1994-1996	riprap repair, spillway modification and freeboard restoration	NID 2006		uncontrolled	left of dam	176	640	244500	NID 2006, Report 126
Santa Rosa Lake	used is pumped directly from the lake			336		NID 2006		irrigation	earthfill	1178	2400	41 (Report 126);	15	NID 2006, Report 126	wetted embankment in layers	1995-1996	Top of dam raised 8.5 feet and emergency spillway added on the south	Owner		uncontrolled	2 emergency spill	1169.5 spillway on ri	200 (Report 126); 1	165541	NID 2006, Report 126
Smithers Lake	r is diverted by pumps.			24		Report 126	Runoff is supplemented by water purchas	flood control, industrial	earthfill	71	3000	18 (Report 126);	12	NID 2006, Report 126						none					

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
Somerville Lake				1,006	1,006	NID 2006		water supply, recreation, flood control	earthfill	280	20210	80 (embankment)	20 (spillway se	NID 2006, Report 126	4,715 ft of dike at right of spillway					uncontrolled	left end of dam	258	1250	286000	NID 2006, Report 126
South Texas Project Reservoir				11	0	NID 2006		industrial	earthfill	66	65508.96	51		NID 2006	soil foundation, earth core dam					controlled		49.5	24	1200	NID 2006
Squaw Creek Reservoir				64			pump water for Brazos	industrial	earthfill	796	4690	159		NID 2006	soil foundation, rockfill earth core dam					uncontrolled	left end of dam	783	2200	87128	NID 2006
Stamford, Lake				360		NID 2006, Report 126		water supply, recreation	earthfill	1436.8	3600	78 (Report 126); 7	24	NID 2006, Report 126	wetted and rolled embankment, rock fill		California Creek Diversion Dam constructed at confluence of Paint Creek and California Creek, water is pumped from this diversion dam into Stamford Dam			uncontrolled	Right end of dam	1425.8	600	134500	NID 2006, Report 126
Stillhouse Hollow Lake				1,318	1,318	NID 2006		water supply, recreation, flood control	earthfill	698	15624	200	42	NID 2006, Report 126	length includes spillway and dike					uncontrolled	right end of dam	666	1650	673500	NID 2006, Report 126
Striker, Lake	is pumped out. No	other outflow works lower than spillway		182		Report 126		industrial, recreation	earthfill	309	2400	42 (Report 126); 4	35	NID 2006, Report 126	length includes spillway, wetted and rolled embankment (JCM's list of engr assignments on dams)					uncontrolled	Right end of dam	294	600 (Report 126); 6	130000	NID 2006, Report 126
Sulphur Draw Storage Reservoir				258	258	NID 2006		water quality	earthfill	2549	7113	33		NID 2006	soil foundation, earth core dam					uncontrolled					
Sulphur Springs, Lake	is pumped from lake for municipal water supply			66		NID 2006		water supply, recreation	earthfill	474	6232	44 (Report 126); 3	20	NID 2006, Report 126	length includes service spillway, wetted and rolled with uncontrolled ogee (JCM's list of engr assignments on dams)	not provided by own	two foot I beam installed in spillway to raise lake level two feet	Owner		uncontrolled	left end of the dar	462	275 (Report 126); 8	49800	NID 2006, Report 126
Sweetwater, Lake				104				water supply, recreation	earthfill	2128.5	2600	50 (Report 126); 6	20	NID 2006, Report 126	wetted and rolled embankment					none					
Tawakoni, Lake				756	756	April 2005 Iron Bridge Dam EAP		water supply	earthfill	454	29560	85	23.33	NID 2006, Report 126	earthfill with concrete spillway, legnth includes spillway	1990, 1985, 1988	spillway anchoring (1990), 1st berm work (1985), 2nd berm work (1988)	owner		none					
Texana, Lake	ead pool storage was calculated in 1992 by US Depart of Interior. S			1,404		NID 2006		water supply, recreation, municipal, industrial	earthfill	55	41712	58	30	NID 2006, Palmetto Bend Project 1963 (INT-MI5C1963-06)						none					NID 2006
Texoma, Lake	nactive pool is 1,049,000 acft. The dead pool is 3,887 acft which is f			39,719	33,783	NID 2006	5,936 square miles is probably non-contri	water supply, recreation, flood control, hydroelectric	earthfill	670	15200	165	40	NID 2006, Report 126	earthfill with concrete spillway					none					
Toledo Bend Reservoir	acft is dead pool storage, while the hydropower storage is 2,922,80			7,190		NID 2006		water supply, recreation, hydroelectric	earthfill	185	11200	122 (Report 126);	25	NID 2006, Report 126	earthill , main dam and 2 saddle sections					none					
Lady Bird Lake				0		NID 2006		recreation, municipal, industrial, irrigation	earthfill	460 Crest Elevati	760	65		NID 2006	earthfill and gravity NID 2006, rock and soil foundation					uncontrolled	south embankme	434	64	80000	NID 2006
Tradinghouse Creek Reservoir	ng pond without low outlet works			39	39	March 2005 Tradinghouse Creek Dam EAP		industrial	earthfill	456	7600	60	20	NID 2006, Report 126	length includes service spillway, height from stream bed (Report 126), earthen (JCM's list of engr assignments on dams)					uncontrolled	Right abutment	450	1500	73239	NID 2006, Report 126
Travis, Lake				38,130	27,352	NID 2006, Decemt	11,900 square miles is probably non-cont	water supply, flood control, hydroelectric	concrete	750	7098	278	top width 20 ft	NID 2006, Report 126	concrete gravity, earth and rockfill					none					NID 2006, Report 126
Trinidad Lake	dead pool storage is assumed. It is a cooling pon			0		Report 126	Water is pumped from Trinity River	industrial	earthfill	287	12000	20 (Report 126); 1	Variable 15 to	NID 2006, Report 126	earthfill dike					none					
Twin Buttes Reservoir				2,813	2,813	NID 2006, Report 1	1,178 square miles is probably non-contri	water supply, recreation, flood control, irrigation	earthfill	1991	8.04 miles	134	30	NID 2006, Report 126	rolled earth fill	1997	cut-off wall installed	Owner		uncontrolled	near left end of da	1969.1	200	47300	NID 2006, Report 126
Twin Oak Reservoir	ng pond.			45	45	May 2007 Twin Oak Dam EAP		industrial	earthfill	414	7800	56	20	NID 2006, May 2007 Twin Oak Dam EAP	RGS: soil foundation, homogenous earth dam					uncontrolled	Right end of dam	407	1500	48800	NID 2006
Tyler, Lake				45		Report 126		water supply	earthfill	390 - 391.5	4708	50 (Report 126)	20	NID 2006, Report 126						none					
Upper Nueces Lake	d with Wagner on 7/13/06 and was told the storage was recently est			2,160		NID 2006		irrigation	earthfill	598	550	60	20	NID 2006, Report 126		1957 (Report 126) 1	1957: Spillway	NID 2006		uncontrolled	upstream of dam	606	320 (Report 126), 2	0	NID 2006, Report 126
Valley Lake	y Lake is for industrial use, and the dead pool is assumed to be zer			8		Report 126	Main water supply is pumed from the Red	industrial	earthfill	617.5	2770	55	20	NID 2006, Report 126						uncontrolled		612	200	4600	NID 2006, Report 126

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural
Name	Other Info	Other Info	Other Info	Drainage	Drainage	Drainage	Drainage	Purpose	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam General	Dam Modifications	Dam Modifications	Dam Modifications	Dam Modifications	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway	Emergency Spillway
Name	**Other Surveys**	**Source Other Surveys**	**Modification(s) to Conservation Storage**	**Total Drainage Area (mile²)**	**Contributing Drainage Area (mile²)**	**Source Drainage Area**	**Comments Drainage Area**	**Main Purposes**	**Dam Type**	**Top of Dam Elevation (feet)**	**Dam Length (feet)**	**Dam Height (feet)**	**Top Width (feet)**	**Source Dam General**	**Comments Dam General**	**Year(s) of Modifications**	**Description of Modifications**	**Source Modifications**	**Comments Modifications**	**Emergency Spillway Type**	**Emergency Spillway Location**	**Emergency Spillway Elevation (feet above MSL)**	**Emergency Spillway Width (feet)**	**Maximum Emergency Spillway Discharge Capacity (cfs)**	**Source Emergency Spillway Information**
Victor Braunig Lake	tlet works and zero dead pool storage is assume			9		Report 126		recreation, industrial	earthfill	516	9647	80	18	NID 2006, Report 126		not provided by own	added additional material for embankment stabilization, lime stabilized 3 slide areas (shallow slope failures)	owner	owner did not specif	none					
Waco, Lake			raised water level	1,652	1,652	per owner		water supply, recreation, flood control	earthfill	514.6 (top of parc	17381	140	20	NID 2006, Report 126	earthfill with concrete spillway	1998-2000	raised crest and parapet wall			controlled	center of dam	465	560	683000	NID 2006, Report 126
Walter E Long, Lake				9	9	December 2001 WAM Final Report by R. J. Brandes Compar		industrial	earthfill	563	6390	83	20	NID 2006, Report 126						none					NID 2006, Report 126
Waxahachie, Lake				30	31	NID 2006		water supply	earthfill	541.5 top of emb	3800	66 (Report 126), 6	18	NID 2006, Report 126	length includes spillway	1995	spillway added Roller compacted concrete placed in stairstep configuration on D/S slope	Owner, FNI files	overflow spillway ad	uncontrolled	center of dam	531.5	1400	56521	NID 2006, Report 126
Weatherford Lake				109	109	May 2007 Lake Weatherford Dam EAP		water supply, recreation, irrigation	earthfill	914	4055	75	20	NID 2006, Report 126	wetted and rolled embankment, concrete spillway	1993	raised dam and extended spillway	NID 2006, Owner		uncontrolled	Right end of dam	section 1: 903.0; sec	section 1: 500 ft, se	220,526	NID 2006, Report 126, May 2007 Lake Weatherford Dam EAP
Welsh Reservoir	questioned accuracy of this survey because TWDB was unable to s			21		NID 2006		industrial	earthfill	335	4720	60.5	20	NID 2006	soil foundation, upstream facing concrete dam, soil cement on U/S face from elev 310 to 335, wetted and rolled embankment (JCM's list of engr assignments on dams)					uncontrolled	right of dam	326	1500	40500	NID 2006, Report 126
White River Lake				172				water supply	earthfill	2385	3300	84 (Report 126); 8	30	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	Right end of dam	2384	1100	91120	NID 2006, Report 126
White Rock Lake				100	100	Final 2002 WAMs for the Trinity, Trinity-San Jacinto, and Nec		recreation	earthfill	475	2100	40 (Report 126); 4	15	NID 2006, Report 126, 2003 inspection report	earthfill	1978	top of dam raised about 5 feet to provide passage of about 1/2 of PMF. 12" thick concrete parapet wall with top elevation 475 was constructed along the upstream crest btwn north end of spillway and original brick pump station building, granular fill was placed on top of the earth embankment to elev 472 with the 1978 improvements, the fill has since been topped with 6" of asphalt, approximately 10' wide for use as a hiking/biking trail	2003 inspection report		none				
Whitney, Lake				27,189	17,623	Report 126		water supply, recreation, flood control, hydroelectric, fish/w	gravity	584 (top of concr	17695	159	34(embankme	NID 2006, Report 126	concrete gravity and earthfill					none					
Wichita, Lake	ated using rating curve in T drive			143				water supply, industrial	earthfill	987.5	6250	23 (Report 126); 3	20	NID 2006, Report 126		1995		NID 2006		uncontrolled	right end of the d	981	400 (Report 126); 6	76300	NID 2006, Report 126
Winters / New Lake Winters, Lake				66	64	December 2001 WAM Final Report by R. J. Brandes Compar		water supply, recreation	earthfill	57	5200	57		NID 2006	homogenous earth dam	1995		NID 2006		uncontrolled		1796	640	102236	NID 2006
Worth, Lake	dead pool storage is assumed. TWDB survey report also does not s			2,064	2,047	Report 126	runoff is supplemented by releases from L	water supply, recreation	earthfill	606.3	3200	58 (NID 2006); 50 (Report 126)	varies from 10'	plans	wetted and rolled embankment	1996	raised dam	NID 2006		uncontrolled	Right of dam				
Wright Patman Lake				3,443	3,400	book of COE dams		water supply, recreation, flood control	earthfill	286	18640	106	30	NID 2006, Report 126						uncontrolled	right end of dam	259.5	200	451000	NID 2006, Report 126
Tyler, Lake				62		Report 126		water supply	earthfill	390 - 391.5	4700	50 (Report 126); 6	20	Report 126		1990		NID 2006		none					
Graham, Lake				221		Volumetric Survey of Lake Graham, 1998		water supply	earthfill	1093.3	3700	82	20	Volumetric Survey of Lake Graham, 1998, Report 126	wetted and rolled embankment					uncontrolled	west of Graham D	1076.3	1050		Report 126, Volumetric Survey of Lake Graham, 1998

All references to left and right are facing

declining to respond
responded to survey, did not specify wh
does not give permission to share data v
permission to share with TWDB
did not respond to survey

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discharge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
Abilene, Lake	Secondary Emergency Spillway, Natural Earth (with earthplug)	uncontrolled	Near left end of dam	2009.7 (Earth ridge	281 (NID 2006); 250 (Report 126)	36200	NID 2006, Report 126	Concrete overflow spillway	none					N			NID 2006		slide(sluice)	2012.3				NID 2006, Report 126	concrete tower and conduit (size: 10' vertical, 7' horizontal); low flow outlet: 24" diameter pipe to the 7' conduit, invert elevation 1968.8 selector gates with valve control on conduit. Valves reported as inoperable.				on
Alan Henry Reservoir	Earthen	uncontrolled	right end of dam	2220	40	34788	Volumetric Survey 2005	Concrete					fixed gate	N			NID 2006		slide(sluice)	2205, 2115, 2140				Original construction c	four gates in gated tower at left abutment, one 54"x96" at 2205, 54"x96" at 2115, and 2-54"x96" at 2140, discharge through two separate round conduits (42" and 30")				on
Alcoa Lake		controlled	near center of dam	448.5	66	28706	NID 2006, Report 126	normal pool elevation at 468.5, controlled by 2 tainter gates	tainter(radial)	2		NID 2006	each gate 33' by 20'; top of gates elevation 468.75	N			NID 2006		none											off
Amistad, International Reservoir		controlled	in middle of dam	1086.4	800	1507000	NID 2006, Report 126	Ogee crest on concrete section	tainter(radial)	16	1300000	NID 2006 Report 126	each gate 50' by 54'	Y	5 in US 4 in Mex	2 plants 80MW eac	Report 126	Report 126 say	other	U.S.: 930 Mexico: 965.2				Report 126	U.S.: 5 penstocks, each 14.5' diam., inlet elev 930 ft msl; Mexico: 4 penstocks, each 15.75' diam., inlet elev 965.2 ft msl				on
Amon G Carter, Lake	cut through saddle	uncontrolled		920	240		Report 126	rectangular drop inlet; discharge conduit - 72" concrete pipe	none			NID 2006		N			NID 2006		slide(sluice)	879.48, 894.60, 906.40		912	129	Report 126	Outlet Works: raw water intake tower (reinforced concrete structure containing three 24" sluice gates), 24" reinforced concrete pipe and outlet structure (outlet structure controlled by 2-24" butterfly valves with handwheel operators and these release water through a series of baffles to a sharp crested weir; Water Supply: 36" square sluice gate on principal spillway tower with an invert elevation of 912	on top of open concrete intake tower in the lake	Report 126		on
Anahuac, Lake		uncontrolled		5	700		Volumetric Survey 2006, Report 126	Concrete Slab second sjort spillway lowered lake to 4 feet msl	none			Volumetric Survey, NID 2006		N			NID 2006		slide(sluice)		1400			Volumetric Survey	6 by 6' ; discharge to forebay and pumping plant				off
Aquilla Lake	Concrete ogee weir	none							none					N			NID 2006		slide(sluice)	503	2950	505	25	Volumetric Survey, ow	Outlet Works: 1 gate-controlled conduit, 10' diameter, 2 service and 2 emergency 4.5'x10' manually-operated gates; Low-Flow Outlet: 1-1' diameter pipe emptying into flood control conduit, controlled by 1' sluice gate at invert elev 505				on
Arlington, Lake	cut through natural earth	uncontrolled	near right end of the dam	550	32 ' diameter at crest, 10' conduit	3700	Report 126	morning glory, circular drop inlet; 10' diam discharge conduit	none	0		Report 126		N			NID 2006		valve	493.67				24" gate valve in pump	vertical concrete well, 29' by 29'; water supply inlet: 2 conduits, 4' by 4'; 2 pump discharge pipes to treatment plant; low flow outlet: 24" valve controlled pipe pipe plugged in 2004 construction				on
Arrowhead, Lake		uncontrolled	left end of dam	926	1535 (NID 2006); 1581 (Report 126)	270700	NID 2006, Report 126	concrete ogee weir	none			NID 2006 Report 126		N			NID 2006		slide(sluice)	908 and 874		874		Report 126	cylindrical tower with two inlets at elevations 908 and 874 each 5' diam; A third 5' diam. slide gate controls flow to a 60" diam. steel pipe installed inside the 8' diameter conduit with invert elevation 874 ft above msl for municipal water supply.				on
Athens, Lake	broad-crested weir	uncontrolled	left end of dam	440	19.5' square drop inlet		Report 126	rectangular drop inlet; oulet - box culvert 6' by 6'	none					N			NID 2006		valve	396.5				Report 126	slide valve and 18" diameter concrete pipe				on
Austin, Lake	uncontrolled section and gated section (gated section described in service spillway columns)	controlled	next to uncontrolled spillway	480.8 (for 12' gates	459	361500	Report 126	gated section of spillway	tainter(radial)	9		NID 2006 Report 126	5 gates 51' by 12'; 4 gates 51' by 18'; Actual vertical dimensions of gates are 14.7 and 19.85 ft	Y	2	15	NID 2006, Report 126	turbines are aut	none					Report 126	water releases made through turbine operation				on

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discharge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
B A Steinhagen Lake	uncontrolled section and gated section (gated section described in service spillway columns)	controlled	right end of dam	50	240 (net)	67000	Report 126, owner	gated section of spillway, 6 tainter gates each 40'x35'	tainter(radial)	6		Report 126	gates 40' by 35'	Y	2	3.84 mW	NID 2006		slide(sluice)	52	1490			Report 126	2 conduits each 4' by 6', 2 tractor-type gates				on
Ballinger / Lake Moonen, Lake				1668.3					none					N			NID 2006		valve											on
Balmorhea, Lake		uncontrolled	right end of dam	3191	180	15121	NID 2006, Report 126	country	none					N			NID 2006		slide(sluice)					Report 126	conduit near left end, 4' by 5', sluice gate				on
Bardwell Lake	broad-crested weir	none							none					N			NID 2006		slide(sluice)	391	3120			Report 126	10 ft diameter conduit, 2 gates each 5' by 10'				on
Bastrop, Lake		controlled		425	90	17612		concrete ogee, 2 tainter gates each 45'x25'	tainter(radial)	2		NID 2006 Report 126	45' by 25' each	N			NID 2006		none					Report 126					ON
Baylor Lake	cut through embankment; soft plug on crest el 1825 ft	uncontrolled	right end of dam	1820	200		Report 126	open channel cut with 200 ft bottom width, discharge to Lake Childress	none					N			NID 2006		other	see comment				Report 126	36" diameter cast iron pipe; tower with gates, center elevations of 1781.5, 1795.5, and 1809.5, operated from top of tower in middle of dam				on
Belton Lake	broad-crested weir	none							none					N			NID 2006		other	483	27900	540	510	Report 126	Outlet Works: 22 ft diameter conduit with 3 inlets with 3 broome-type gates, each 7' by 22'; Low-Flow Outlets: 1-3'x3' gated outlet discharging into flood control conduit	empties into outlet works conduit			on
Benbrook Lake	ogee with 100 ft notch in center at el 710	none							none					N			NID 2006		other	622 (outlet works), 656 (low flow outlets)	7840	see comment		Report 126	Outlet Works: one 13 ft diameter conduit with two 6.5' by 13' openings with broome-type gates; Low Flow Outlets: two 30" diameter steel pipes, 2 slide gates, invert el 656.				on
Bob Sandlin, Lake	unpaved broad-crested weir	controlled	left abutment	316.5	160 (net)	74600 (4 gates open 17 feet)	Report 126	Concrete ogee with 4 tainter gates, each 22.5' by 40'	tainter(radial)	4	74600	NID 2006 Report 126	22.5' by 40'	N			NID 2006		slide(sluice)	300	700	307.0 & 328.0	305	Report 126	Conduit in spillway gate pier, sluice gate 3.5' by 6'	left end pier	owner		on

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discarge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
Bonham, Lake	cut in bank a 3.5 foot trench was cut in the center for low flows	uncontrolled	center of dam	565	20' square drop inlet		Report 126	20' by 20' drop inlet, 7' by 7' conduit, discharge to pilot channel below dam	none					N			NID 2006		other	538				Report 126	18" diameter concrete pipe, discharge to service spillway outlet, diversion - pumping direct from the lake				on
Brady Creek Reservoir	cut channel	uncontrolled	about 2800' left of emerg spillway	1743	drop inlet 20' OD at crest, narrows to a 7'x7' square conduit through dam		Report 126	drop inlet with 7' by 7' concrete conduit	none					N			NID 2006		slide(sluice)	1712				Report 126	Gated outlet tower with 36" cast iron pipe for low flow release and water supply, 3 sluice gates				on
Brandy Branch Cooling Pond	we originally had spillway length=425, but owner said it was 100'	uncontrolled	in front of dam, left of spillway, 1400' from left end of dam	340	5'-6" conduit through dam	1100 at elev 348	Owner	morning glory, 16'-6" OD at mouth reduced to 8'-6" ID	none			owner		N			NID 2006		valve	285.47	unknown			owner	2 each 18 inch valves in 18 inch concrete lined steel cylinder pipe, discharges into morning glory conduit - upstream gate valve and downstream ball valve				on
Brazoria Reservoir		uncontrolled	through levee	31.07	231		NID 2006, Report 126	box type concrete structure with discharge section extending through the levee.	none					N			NID 2006		other					Report 126	water is released by gated conduits to Buffalo Camp Bayou and flows by gravity to a pumping plant				off
Bridgeport, Lake	natural ground	controlled	3000 ft +/- to left of dam	820	90	168,000	Report 126	excavated channel from lake to concrete ogee section, 8 vertical gates, top of gate elevation 842, discharge to excavated channel	vertical lift	8	168,000	Report 126		N			NID 2006		other	810 (new), 752 (modified original)				Report 126	Modified Original Outlet Works: 18" and 48" steel cylinder concrete pipes controlled by valves operated from top o tower, invert of pipe elevation 752; New Outlet Works: part of service spillway wall, 60" steel pipe with entrance elbow, invert elevation 810, slide gate at discharge to discharge basin at elevation 810				on
Brownwood, Lake	concrete sill on natural cut	controlled	center of dam	1424.6	2- 48" pipe with valve		Report 126	2 concrete conduits	other	1		Report 126	butterfly valve on 48" pipe (service spillway)	N			NID 2006		slide(sluice)	1405.5		1405.5		Report 126	1 concrete conduit 5' diameter	south corner dam			on
Bryan Utilities Lake		controlled			150	0	NID 2006		slide(sluice)	2		NID 2006	1 slide, 1 other	N			NID 2006												on
Buchanan, Lake	section 4 overflow, no control	controlled	north of powerhouse	section 1 - 1005.5',	section 1 - 248', section 2 - 217', section 3 - 178.5'	355,000	Report 126	section 1 and 2 at elevation 1005.5; Section 3 elevation 995.5	tainter(radial)	37	231,000 (total discharge throu	NID 2006, Report	3 sections with 37 tainter gates, section 1 - 16 gates each 33'x15.5', section 2 - 14 gates each 33'x15.5', section 3 - 7 gates each 40'x25.5'	Y	3	51.3 (total)	Report 126		none					Report 126	Water is released through turbines; Special Feature: A pump-back unit with a capacity of 840 cfs returns water from Inks Lake to Lake Buchanan during off-peak power demand periods. The vertical pump is driven by a 13,500 hp engine				on
Caddo Lake		uncontrolled		168.5 and 170.5	2400	3600	NID 2006, Report 126	Floodwall (broad-crested weir)	none					N			NID 2006		uncontrolled	160.5		160.5		Report 126	Ogee Weir, guides water to channel after passing over spillway to stilling basin, crest length = 100'				on
Calaveras Lake		controlled	middle of dam	460	220	129914	NID 2006, Report 126	Concrete Ogee Section, 460 is crest elevation, normal pool at 485 and top of gate at 487	tainter(radial)	5		NID 2006, Report	5 each 44' by 27'	N			NID 2006		slide(sluice)	453.25	126000			Report 126	Water for power plant use is taken from and returned to the lake to create circulation and cooling. A 42-inch pipe for low flow releases is at elevation 453.25.				on
Canyon Lake	Broad-Crested	none							none					Y	2	3.035	NID 2006		slide(sluice)	775	4930			Report 126	1 conduit 10 ft diameter (1087 ft legnth), 2 slide gates each 5.66 by 10 ft				on
Casa Blanca Lake	Corps report provided by F. Sanchez	uncontrolled	approximately 3500 ft NE of left abutment	446.4	546		Report 126	trapezoidal natural ground with SS 2H:1V and 3H:1V	none			Report 126		N			NID 2006		uncontrolled	not known	8" pipe, capacity not known	n/a	n/a	Report 126	8" pipe to pump house, water is pumped from lake				on
Cedar Bayou Generating Pond		controlled			330		NID 2006		none			NID 2006		N			NID 2006		none					NID 2006					off
Cedar Creek Reservoir Colorado		uncontrolled		391	8	1152	NID 2006	drop inlet	none			NID 2006		N			NID 2006		slide(sluice)					NID 2006	3 slide gates				off

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discharge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
Cedar Creek Reservoir Trinity		controlled	6 miles upstream on right bank, discharges in Trinity	302	400	316821	NID 2006	Gated concrete chute, normal pool elevation 322, the spillway is designed so that two gates will automatically open when the water level rises above 322, if the reservoir level is between 322.0 and 325.0, and if the inflow is more than the two automatic gates can release, additional gates can be opened until the outflow equals 85% of the inflow	tainter(radial)	10	for the 2 automatic gates, 630	Report 126	8 tainter gates each 40x23 ft; 2 bascule (automatic) gates each 40x8.5 ft, crest of automatic gates at 314	N			NID 2006		valve	260				Report 126	60 inch steel pipe for low-flow discharge; 18 inch valve controlled outlet for water supply, two 24 inch valve controlled outlets for water supply				on
Champion Creek Reservoir	cut channel	uncontrolled	8' cut in emergency spillway	2083	50		Report 126	8' cut in emergency spillway	none			Report 126		N			NID 2006		valve	2020				Report 126	30 inch pipe through dam with valve control for downstream requirements, this outlet also connects to pumping plant supplying to lake Colorado City				on
Cherokee, Lake	Cut in natural ground	uncontrolled	Left end of dam	280	828		Report 126	uncontrolled concrete structure	none			Report 126		N			NID 2006		valve	260				Report 126	Concrete Pipe, 18 inch diameter. Gate valve operated from a tower				on
Choke Canyon Reservoir		controlled		crest 199.5, top of	345	251760	Owner	Dam owner added all info	tainter(radial)	7		Owner	7 Tainter gates	N			NID 2006		slide(sluice)	136.4	2027			NID 2006					on
Cisco, Lake		uncontrolled	near center of dam	1520	270	25600	Report 126	Concrete	none			NID 2006		N			NID 2006		slide(sluice)					NID 2006	Gravity Supply Line to water treating Plant				on
Clyde, Lake	Excavated area with dikes	uncontrolled		1872			Report 126	Concrete Tower, 42 inch concrete pipe	none			NID 2006, Report 126		N			NID 2006		valve	1842.2				Report 126	Inlet Filter Box and 14 inch diameter pipe. To service spillway structure, Gate Valve				on
Coleman, Lake	Country	uncontrolled	near center of dam	1717.5	drop inlet 28' dia. at crest		Report 126	Drop inlet with 28' diameter at crest with 7' diameter outlet pipe	none			Report 126		N			NID 2006		slide(sluice)	1662.5				Report 126	1 Conduit 24" diameter. 3 Slide Gates 2 x 2 ft				on
Coleto Creek Reservoir				99			NID 2006		tainter(radial)	8		NID 2006	7 tainter, 1 slide	N			NID 2006		slide(sluice)					NID 2006					on
Colorado City, Lake	Cut in natural bank	uncontrolled	100 ft upstream	2070.2	double retangular drop inlet		Report 126	Drop inlet (double rectangular), conduits 10 x 10 ft horseshoe	none			Report 126		N			NID 2006		valve	2024.3				Report 126	Water for condenser cooling is circulated from intake well to powerplant and back to the lake. Low flow release is valve-controlled, 30" diameter pipe through the dam.				on
Conroe, Lake		controlled	near right end of the main dam	173	232	24727	NID 2006, Report 126	Concrete ogee, 5 tainter gates, each 40'x30'	tainter(radial)	5		NID 2006, Report	5 tainter gates, each 40'x30', top of gates at 202.5'	N			NID 2006		slide(sluice)	191 high outlet, 168.5 mid outlet, 145 low outlet	110000			NID 2006, Report 126	Concrete tower and stilling basin, 3 with sluice gates, Two 4x6 and one 5x5. Concrete conduit, variable size to 10' diameter				on
Corpus Christi, Lake	Concrete section, 33 gates each 37.5x8.75 ft(screw type hoists and portable operators) top of gate 94.5	controlled	South end	88	1012.5		Report 126	27 gates (screw type hoists and electric motors) 37.5x8.75 ft top of gate 94 flat slab and buttress structures (Ambursen)	other	60		Report 126	crest gates (emerg spillway) top of gates at 94.5', (service spillway) top of gates at 94'	N			NID 2006		slide(sluice)	55.5				Report 126	3 openings each 2.5x4ft, 48 inch Howel Bunger Valve. Water flows in river channel to treating plant. Selector gates at elevations 55.5, 78, and 88				on
Creek Lake, Lake	Sand and Clay Fill	controlled	Left end of dam	385	65.5 (32.75 for each gate)plus 7 foot wide pier		Report 126	2 tainter gates 32.75x20ft	tainter(radial)	2		Report 126	2 tainter gates each 32.75'x20', top of gates at elevation 405	N			NID 2006		none					Report 126	Water is circulated from reservoir to powerplant and back to reservoir				on
Crook, Lake	Uncontrolled concrete weir	none							none			NID 2006		N			NID 2006		valve	456.8				Report 126	Water Supply: Gated concrete structure, pipe through embankment to pump house below the dam. Low-Flow: Pipe 18 inch diameter, valve on downstream end				on
Cypress Springs, Lake	excavated and graded area	uncontrolled	Right end of main embankment	378	23' square drop inlet		Report 126	Rectangular drop inlet, 23x23 ft, Box culvert 10x10 ft, to stilling basin	none			NID 2006		N			NID 2006		valve	317.5				Report 126	concrete pipe, 18 inch diameter, duplicate valves with vertical stem. To service spillway conduit				on
Daniel, Lake	natural ground	uncontrolled	drop inlet	1278	8 feet by 16.75 feet		Report 126	2 horseshoe shaped conduits 8x8 ft, normal water surface at 1278	vertical lift	4		Report 126	2 -18" at 1250, 1-18"at 1257 and 1-18" at 1272 in outlet tower	N			NID 2006		other	Gated outflows inlet 1272, 1257, 1250 ft				Report 126	18" gated outlets at elev 1272, 1257, and 1250, water is released to Gonzales Creek and diverted from a downstream lake to the treating plant.				on
Davis, Lake				1401.5					tainter(radial)	2		NID 2006		N			NID 2006		tainter(radial)					NID 2006					on
Diversion, Lake	RCC and Concrete ogee	controlled	right end of dam	1042.4	60		Report 126	Gated concrete structure, 12 gates each 5x8.5 ft	slide(sluice)	12		Report 126	service spillway	N			NID 2006		valve					Report 126	2 valve controlled, 4 feet diameter pipes have been grouted a 30" pipe was installed in 1979				on
Dunlap, Lake		controlled		563.2	255		Report 126	Floating Crest	other	3		Report 126	3 roof-weir type gates 85x12 ft	Y	2	4	Report 126		none					Report 126	Water is released through turbines while generating power. Lake is maintained at opening level by regulating power.				on
E V Spence Reservoir	cut through natural ground	controlled	center of dam	1878	crest diameter of 59' drop inlet with gates		Report 126	Drop inlet to 28 ft concrete conduit, 59 ft diameter. 12 gates 14.48x22 ft.	other	12		Report 126	12 gates 14.48x22 ft	N			NID 2006		other	1790				Report 126	Concrete pipe 5 ft diameter, one 5 ft gated pipe and two 2 ft gated pipes to service spillway.				on
Eagle Lake		controlled	southeast corner				Report 126	Concrete structure with stop logs	none					N			Report 126		none					Report 126	Water is pumped from the lake into a canal				off
Eagle Mountain Lake	natural ground	controlled	Spillway Levee Section	637	Old Spillway: 100 feet (not including piers), New Side Channel Spillway: 67.5 (not including piers)	Old Spillway: 77400, New (Side) Spillway: 25,400	Report 126	2 service spillways: old spillway and new side channel spillway, old spillway: concrete ogee with four bays, each 25 feet wide, new side channel spillway: concrete side channel ogee to forebay discharging through a 25 ft square conduit	roller/vertical lift	6 (roller, side c		Report 126	Old Spillway: Concrete ogee with four bays, 3 vertical lift gates, 649.1 ft (msl), New Spillway: 6 roller gates each 11.25'x22' at 637	N			NID 2006		valve	589				Report 126	2 conduits with valve control on left end of west embankment section				on
Eagle Nest Lake														N															off

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discarge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
Electra, Lake				1110					none			NID 2006		N			NID 2006												on
Ellison Creek Reservoir	natural embankment	uncontrolled	left end of dam	268.1	300		NID 2006, Report 126	Concrete with RCC basin at dwonstream end	none			NID 2006		N			NID 2006		other	235.1				Report 126	Water is pumped from the reservoir for powerplant condenser cooling, ore washing, and general plant use. The low flow outlet is a 36 inch pipe with invert.				on
Fairfield Lake		controlled	near left end of dam	299	60		NID 2006, Report 126	2 tainter gates each 30x14 ft	tainter(radial)	2		NID 2006, Report 126		N			NID 2006		none					Report 126	Water is circulated from reservoir to power plant and back to reservoir.				on
Falcon, International Reservoir		controlled	center of dam	256.7	300	456000	NID 2006, Report 126	concrete ogee section on US side, 6 fixed wheel-type gates each 50'x50'	other	6		Report 126	6 fixed wheel type gates, each 50x50 ft	Y	3 units in 2 plar	2 plants 3-10.5 Mw	Report 126		valve	225 US, 205 MEX					Report 126	2 conduits each nation, 72 inch diameter pipe US, 90 inch diameter pipe Mexico, valve on each conduit				on
Lake Nocona	Two level, 3 section, uncontrolled	uncontrolled	cut in the emergency spillway	827	100		Report 126	The pump station structure on the left shore of the lake is a vertical concrete shaft with vertical pumps. The motors are mounted on a platform .	none			Report 126		N			NID 2006		valve	795, 842 (pump station structure on left shore of lake, motors are mounted on platform at elev 842)				Report 126	Concrete pipe, 18 inch diameter, valves in manhole structure (low flow outlet works),		pump station structure on the left shore of the lake is a vertical concrete shaft with vertical pumps (outlet works)	795, 842 (pump station structure on left shore of lake, motors are mounted on platform at elev 842)	on
Forest Grove Reservoir		controlled	near right abutment	339	121		record drawings		tainter(radial)	3		NID 2006	3 tainter gates each 35'x22'	N			NID 2006		none											on
Fork Reservoir, Lake		controlled	station #95+00 dam axis	385	200	123,700	plans, Feb 1997 Guide for Spillway Gate Operation, Lake Fork Reservoir	max discharge capacity taken from "Pertinent Data" table in Feb 1997 Guide for Spillway Gate Operation, Lake Fork Reservoir, max cfs when gates are fully open	tainter(radial)	5	123,700	NID 2006, Feb 19	5 tainter gates each 40'x20', core 10 steel,	N			NID 2006		slide(sluice)	360		N/A use outlet works	N/A	owner	pipe and ballvalve (2) 36" (1) 10"	left end pier	owner		OFF
Fort Phantom Hill, Lake	Natural ground with concrete ogee weir, normal pool at elev 1635.9	uncontrolled	3000 feet from right end of dam.	1635.9	865		concrete control section		none					N			NID 2006		slide(sluice)	5 gates				Report 126	4'x7' tower with 4-36"x36" gates (1629, 1623, 1614 and 1600) and 1-48"x48" gate at 1580.33				ON
Georgetown, Lake	Broad Crested Weir	none							none					N			NID 2006		slide(sluice)	720	4800	735	350	Report 126	Outlet Works: 1 gate controlled conduit 11' diameter, 2-5'x11' hydraulic operated slide gates, invert elevation 720.0; Low Flow Outlets: 4 intakes at elevations 777.0, 763.0, 749.0, 735, 1-3'x4' manually operated slide gate at each intake	located in the outlet works tower, empties into outlet works conduit			on
Gibbons Creek Reservoir		controlled	right end of dam	232	120		FN-TMP1991, 1991 Breach Analysis for Gibbons Creek Dam	ogee weir, 3 tainter gates each 40'x15'	tainter(radial)	3		FN-TMP1991, 1991 Breach Analysis for Gibbons Creek Dam	3 tainter gates, each 40'x15'	N			NID 2006		none					Report 126					on
Gilmer, Lake				315					none			NID 2006		N			NID 2006		none											on
Gonzales (H-4), Lake		controlled		320	170 (Report 126); 320 (NID 2006)	0	NID 2006, Report 126	Floating crest, An uncontrolled section provides additional flood flow discharge	other	2		NID 2006	2 roof-weir gates, each 85x12 ft	Y	1	2	NID 2006, Report 126		none					Report 126	None, water is released through turbines while generating power. Reservoir is maintained at operationg level by regulationg power output.				on
Graham, Lake		none							none					N			NID 2006		valve	Elevation from tower - 1031.3, Crest Elevation - 1051.3				Report 126	Texas Electric Service Company pumps water directly from the lake for powerplant use. Water for municpal use is pumped directly from the lake. 2 valves each 20" diameter on 24" conduit				on
Granbury, Lake		controlled	center of dam	658	576	635000	NID 2006, Report 126	Gate-controlled ogee weir, 16 gates 36x35 ft.	tainter(radial)	16		NID 2006, Report	16 tainter gates, each 36'x35'	N			NID 2006		slide(sluice)	652 ft and 640 ft above msl	754, 762 and 25 at 693 ft above msl	652 ft and 640 ft abo	754, 762 and 25 at 693 ft above msl	Report 126, owner	Concrete sluiceway	on right side adjacent to service spillway	owner		on
Granger Lake	uncontrolled ogee weir	none							none			NID 2006, Report 126		N			NID 2006		slide(sluice)	Outlet Works: 457, Low Flow Outlets: 502, 494, 486 (2)	11700		200	Report 126, owner	Outlet Works: 2 slide gates each 8'x18', 18' diameter conduit, elevation 457 (normal pool at 504); Low-Flow Outlet (located in outlet works tower, empties into outlet works conduit): Number to wet well =3, elevation 504, 494, 486, 3 slide gates each 3x4 ft, Number from wet well = 1, slide gate 2'x4'				on
Grapevine Lake	ogee	none							none			NID 2006		N			NID 2006		other	Outlet 475.0 ft, low-flow outlet 500.5 ft	7240		250	Report 126, owner	Outlet Works: 1 conduit, 13 ft diameter with two inlets, 2 gates each 6.5x13 ft. Low Flow Outlets: 2 steel pipes, each 30 inches in diameter.	parallels outlet works conduit			on
Greenbelt Lake	slide slopes 2.8 percent and 1.39 percent to highway grade.	uncontrolled	middle of dam	2664	drop inlet, 26'-8.5" diameter		Report 126	Drop inlet, 26 ft 8.5 inch diameter, Concrete conduit, 7x7 ft.	none			NID 2006		N			NID 2006		valve	2,597.0				Report 126	1 conduit, 36 inch diameter; 2 valves each 20 inches, control discharge to stilling basin and water treatment plant				on
Galveston County Reservoir		controlled		17	20	1077	NID 2006		other	16		NID 2006	12 other gates , 4 slide gates	N			NID 2006		slide(sluice)					NID 2006					off
Halbert, Lake		uncontrolled	left end of dam	368	175 (Report 126), 200 (NID 2006)	0	NID 2006, Report 126	concrete	none			NID 2006		N			NID 2006		valve					Report 126	outlet through the dam, 24 inches, valve control to treating plant, valve control to downstream releases.				ON
Hords Creek Lake	Broad Crested	uncontrolled	center of dam	1900	78	900	owner	ogee weir	none			NID 2006		N			NID 2006		slide(sluice)	1856	2260	1876.5	5.5	Report 126, owner	Outlet works: 1 conduit, 8 ft diameter (455 ft length), 2 slide gates, each 4x6 ft: Water Supply Outlet: Cast iron pipe (24inch diameter)	left end of dam			on
Houston County Lake	Excavated broad-crested weir	uncontrolled	left end of dam	260	7' drop inlet		Report 126	Drop inlet and 7x7 ft conduit	none			NID 2006		N			NID 2006		valve	234				Report 126	1.5 ft pipe (valve controlled)				on

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discharge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
Houston, Lake		uncontrolled	between the earthfill sections	43.8	3160	840000	NID 2006, Report 126	Concrete Slab and buttress, gates 18x20.5 ft, elevation of tainter gate sill 27.3 ft.	tainter(radial)	2		NID 2006	2 tainter gates each 18'x20.5', and 2 flash board gates	N			NID 2006		slide(sluice)	21.3 low-flow release		23.3		Report 126	Water Supply: 2 conduits, each 6 ft diameter; Low-flow release: sluice gate, 36 inch diameter				on
Hubbard Creek Reservoir	Excavated broad-crested weir	controlled	near left end of main dam	1176.5 crest elevat	circular drop inlet , 69'4" OD		Report 126	Circular drop inlet (gated), 1 conduit 22 ft diameter	vertical lift	12		NID 2006		N			NID 2006		valve	1136				Report 126	48 inch diameter				on
Hubert H Moss Lake	cut through natural ground	uncontrolled	right of dam	715	7' square drop inlet		Report 126	Rectangular drop inlet and 7x7 ft conduit	none			NID 2006		N			NID 2006		valve	666				Report 126	1 conduit, 30 inch diameter; 2 valve controlled outlets to river channel and future water supply. Intake at 684 and 702				on
Imperial Reservoir									none					N			NID 2006												on
Inks Lake	uncontrolled gravity section of dam	none							none			NID 2006		Y	1	14	Report 126	This unit is oper	none					Report 126	Water is released through the turbine				on
J B Thomas, Lake	emergency spillway 2 is a cut channel	uncontrolled	towards left end of dam	2,258.0	retangular drop inlet		Report 126	Rectangular drop inlet; 2 horseshoe shapedconduits, each 10x10 ft	none			NID 2006		N			NID 2006		valve	2,200.0				Report 126	Near center of Dam, concrete pipe, 30 inch diameter, 24-inch valve.				on
Jacksonville, Lake		uncontrolled		422			Report 126	Rectangular drop inlet, 52x96 ft, 6 -ft square conduit.	none			NID 2006		N			NID 2006		valve	372				Report 126	18 inch pipe through dam, valve on upstream side.				on
Jim Chapman Lake	uncontrolled broad crested weir	none							none			NID 2006		N			NID 2006		slide(sluice)	394	3450			Report 126	gate controlled conduits, one in each of four piers, each 6x6 ft.				on
Joe Pool Lake		none							none			NID 2006		N			NID 2006		slide(sluice)	466	4000	482.5	310	NID 2006	1-10.5' gate controlled conduit, 2 4.75'x10.5' sluice gates	low flow located in outlet works tower; empties into outlet works conduit			on
Johnson Creek Reservoir		uncontrolled	near center of dam	282	drop inlet 20'x20' at mouth, reduced to 7'x7' ID in neck		Report 126	morning glory (drop inlet), 20x20 ft, 314' from centerline of morning glory to stilling basin, conduit under dam is gnerally 7' wide by 7' tall	none			owner		N			NID 2006		valve	254.5				Report 126	2 each 18" gate valves in 18" steel cylinder pipe, Water is pumped from the reservoir to the generating station for condenser cooling and returned at a location to create circulation and cooling. An 18 inch pipe with valve control is provided for the low-flow releases.				ON
Kemp, Lake	cut channel	none							none			Report 126		N			NID 2006		valve	1090				Report 126	Tower and 13 ft. diameter conduit, 2 gates, 5.66x13 ft. valve controlled 6-inch diameter pipe				on
Kickapoo, Lake		uncontrolled		1045	483	82500	NID 2006, Report 126	concrete ogee	none			NID 2006		N			NID 2006		slide(sluice)	1000.92				Report 126	Tower and two 4x5ft concrete conduits, 1 conduit for water supply, 1 conduit for stream flow control				on
Kirby, Lake	masonry and earth (uncontrolled)	uncontrolled	right abutment	1786	550 (Report 126), 520 (NID 2006)		Report 126	no stilling basin	none					N			NID 2006		slide(sluice)	1,756.0 ft invert inlet box, 1771.75 service outlet				Report 126	Service Outlet: 1 pipe 18" diameter connects to the 24" pipes, Low flow: 2 pipes each 24 inch diameter one outlet pipe goes to irrigation for golf courses				on
Kurth, Lake		uncontrolled	near left end of the levee	197.5	25' diameter drop inlet	118	NID 2006, Report 126	Drop inlet, 25 ft diameter, 3 monolithic concrete conduits, each 6x6ft	none					N			NID 2006		none					Report 126	Not required with pumped storage project.				off
Lavon Lake	ogee, 12 tainter gates each 40x28 ft	none							tainter(radial)	12	357700	NID 2006	12 tainter (service spillway)	N			NID 2006		slide(sluice)	453	1200			Report 126	5 sluices through pier, each 36 inch diameter, 5 manually operated slide gates				on
Leon, Lake	natural ground	uncontrolled	near center of dam	1375	34.5' diameter drop inlet with a 11' conduit		NID 2006, Report 126	Drop inlet, 34.5 ft diameter, discharge conduit 11 ft diameter.	none					N			NID 2006		slide(sluice)	1335, 1353.5, 1368				Report 126	Gated control tower, 2 18"x18" sluice gates, one 24 inch diameter concrete pipe. Pump station located below dam. Treatment plant 4 miles north of dam.				on
Lewis Creek Reservoir		controlled	2800' from left end of dam	252 (crest at tainter	57	16300	Owner	service spillway is concrete structure, 2 tainter gates	tainter(radial)	2	16300	NID 2006	2 tainter gates each 25'x19'	Y	2	2 generating units 500 mW capacity Ultimate capacity: 1000 mW at power plant	NID 2006		none					Report 126	Powerplant water circulated by pumps through condenser and returned to the lake by a canal to a distant point from the intake.				ON
Lewisville Lake	ogee	none							none			NID 2006		Y	1	2.128	owner		other	2 at 481.0, 1 at 496, 1 at 503 (low-flow outlets), 448.0 (outlet works)	11000	low flow consists of	500	Report 126	Low Flow Outlets: 2 steel pipes each 60 inch diameter, 48 inch valve on each pipe at downstream end; Floodwater Outlet Works: 1 conduit with 3 inlets, 16 ft diameter, 3 broome-type gates, each 6.5x13ft	low flow located in outlet works tower			on
Limestone, Lake		controlled	center of dam	337	200	182,740 or 135,000	owner		tainter(radial)	5	182740	NID 2006	5 tainter, 3 other, 2 slide	N			NID 2006		1-10" pipe and 2-3	325.25 and 322.0 ft above msl	12 and 150	325.25 and 322.0 ft	12 and 150	owner		on either side of service spillway	owner		on
Livingston, Lake		controlled	left end of dam	99	550 , 480 net	321000 @ 131' MSL	Owner, Report 126		tainter(radial)	12	26750 @ 131' MSL	NID 2006	12 tainter gates each 40'x35' (service spillway)	N			NID 2006		slide(sluice)	58	3650 @ 131' MSL			Report 126	Multi-gated intake tower and 1 conduit 10 ft diameter.				on
Loma Alta Lake		uncontrolled		17.5	105		Report 126	concrete ogee	none			Report 126	roof-weir gates	N			Report 126		slide(sluice)					Report 126	concrete conduit 7'x7', invert elev 5.0, water flows to a lower pool then to canal system				Off
Lost Creek Reservoir														N			NID 2006												off

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discharge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
Lyndon B Johnson, Lake		controlled	left end of dam	796	500	1633409	owner	concrete ogee, 9 tainter gates each 50x30 ft	tainter(radial)	10	328600	owner	50'x30'	Y	2	56	NID 2006, Report 126		none					Report 126	Water releases are made through turbine operation				on
Mackenzie Reservoir	cut in natural earth	uncontrolled	right abutment of dam	3100	20		Report 126	concrete ogee, discharge chute and flip bucket	none			NID 2006		N			NID 2006, Report 126		slide(sluice)	invert: 2961.0 ft; inlets to tower: 3080.0 and 3020.0 ft.				Report 126	concrete pipe 30 inch diameter to valve vault, then 18 inch diameter downstrem. Slide gate 30-inch circular in tower. Inlets to tower (2): slide gates 3x3 ft. All slide gates operated from top of the tower, elevation 3110 ft, to valve vault with valve-controlled outlet pipes.				on
Manor Lake																													
Marble Falls, Lake		controlled		725	608.3	421000		hinged crest (leaf) gates, max SS discharge capacity is equal to the channel capacity because the spillway and power house are completely drowned out in extreme flood events	other	10	104000	NID 2006	10 hinged crest (leaf) gates (bear trap per JLR)	Y	2	32 (total)	NID 2006, Report 126		none					Repot 126	Water releases made through turbine operation.				on
Martin Lake		controlled	near left end of dam	294	160 (net)		Report 126	4 tainter gates, each 40x14 ft.	tainter(radial)	4		NID 2006	service spillway, 4 gates each 40'x14'	N			NID 2006		slide(sluice)	283.95 ft, 286.0 ft				Repot 126	One low-flow outlet is a 3x5 ft conduit with sluice gate control located in one of the gate piers with elevation 283.95 msl. Additional low-flow outlet is an 8-inch pipe with invert at elevation 286.0 msl with a downstream sluice gate control. Water is pumped to from the lake to the powerplant and returned to the lake.				on
Medina Lake		uncontrolled	right end of dam	1064.5	880	658346	NID 2006, Report 126	cut through rock	none			NID 2006		Y			NID 2006		vertical lift	959 ft and 912.5 ft		966.5 for 3 5' dia. Pi		Report 126	3 steel pipes each 5 ft diameter: elev 959, Low-flow conduits: 2 steel pipes each 2.5ft diameter, elev 959 Lift type gates: elev 912.5'				on
Meredith, Lake	3 conduits 15.5' dia. Each, 3 radial gates 12'x15	uncontrolled	left abutment	2965		59100	Report 126	circular concrete drop inlet, ungated to concrete conduit 22 ' dia.	tainter(radial)	3		NID 2006	12'x15' on flood control outlet works (Emergency spillway)	N			NID 2006		slide(sluice)	2894.0, and 2850.0	37,000	multiple sluice gates	200	Owner	Flood Control: concrete structure, 3 conduits each 15.5 ft diameter, 3 radial gates each 12x15 ft. Outlet Works: Concrete intake tower with gates at various elevations. Concrete conduit, 12 ft diameter to gate chamber concrete conduit 12-ft containing walkway and discharge pipe, 2 high pressure gates for channel releases each 5x5 ft, 2 butterfly valves, 72 inch and 48 inch diameter to aqueduct. Outlets: Concrete conduit, 12-ft diameter to gate chamber, concrete conduit, 16-ft diameter containing access walkway and discharge pipes. Discharge: steel pipe, 102-inch diameter for river and aqueduct releases, steel pipe, 48-inch diameter for emergency aqueduct service.	right end of dam			on
Millers Creek Reservoir		uncontrolled	near right end of the dam	1331	16.5' square drop inlet woth a 5' square conduit		Report 126	uncontrolled drop inlet, concrete conduit, 5x5 ft	none			NID 2006		N			NID 2006		valve	1305				Repot 126	Concrete pipe 18-inch diameter. Two valves from top of dam, to service spillway conduit				on
Mineral Wells, Lake		uncontrolled	left side of dam on east side	863.4	932 (Report 126); 1145 (NID 2006)	122427	owner	concrete discharges into a vertical drop 27' with a stilling basin at the bottom. Basin is 261.25' wide	none			NID 2006, owner		N			NID 2006		slide(sluice)	806				Report 126	Concrete conduit 4x5 ft. Pumped from the Lake on right end of dam				on
Mitchell County Reservoir				2201					none				uncontrolled	N			NID 2006												ON
Monticello Reservoir	unpaved, broad-crested	controlled	left end of dam	328	160 (net)		Report 126	concrete controlled ogee with 4 gates	tainter(radial)	4		NID 2006	4 tainter gates each 40'x14'	N			NID 2006		none					Report 126	Water is pumped from the lake for the electric generating plant and other industrial use.				on
Mountain Creek Lake		controlled	center of dam	431	204	135274	NID 2006, Report 126	concrete ogee, 6 tainter gates each 34x27 ft	tainter(radial)	6		NID 2006	6 tainter gates	N			NID 2006		valve					Report 126	Water is circulated from lake to powerplant and returned to lake. A low flow outlet with a gate valve on right side of spillway 18" dia. discharges near the end sill below the gates.				on
Murvaul, Lake		uncontrolled	Right end of dam	265.3	270	0	NID 2006, Report 126	concrete broad-crested weir	none			NID 2006		N			NID 2006		valve	235				Report 126	Tower with 3 gated openings, cast iron pipe , 36 inch diameter, valved tee at downstream end, to channel and to water supply pipe line.				on
Nacogdoches, Lake				279					none			NID 2006		N			NID 2006												on
Naskworthy, Lake	two sections	controlled	left end of dam	1869.2 (auxillary),	25 (auxillary), 1375 ft		Report 126	1 automatic collapsible gate (auxiliary), 15 tainter gates, each 25x14 ft	tainter(radial)	16	90000	NID 2006	15 tainter (main service), 1 other (auxiliary)	N			NID 2006		slide(sluice)	1,860.0 ft and 1,836.0 ft				Report 126	2 sluice gates each 36-inch diameter in center of gated spillway, 2 pipes, 24-inch diameter (invert at 1860') at each end of the spillway				on
Navarro Mills Lake	ogee, 6 tainter gates, each 40x29 ft	none							tainter(radial)	6	224000	NID 2006	6 tainter gates	N			NID 2006		slide(sluice)	400	265			Report 126	5 conduits each 36 inch diameter, 5-3'x3' slide gates				on
New Terrell City Lake	earth excavated with splitter dike	uncontrolled	near left end of dam	508.8	40		Report 126	concrete chute, nine 24 inch pipes with invert at elevation 504.0 for water elevation control	none			NID 2006		N			NID 2006		valve	Sluice gates at 481, 488, and 495				Report 126	gated concrete intake structure, 30 inch steel concrete encased pipe, control to pumping plant 20-inch valve, control to downstream discharge 30 inch valve				on
North Fork Buffalo Creek Reservoir	excavation between levees	uncontrolled	middle of dam	1048	14.5'square drop inlet		Report 126	recangular drop inlet, box culvert 5x5 ft.	none			NID 2006		N			NID 2006		valve	1053 top of tower valves at 1021, 1024.5, 1031, and 1041				Report 126	Vertical shaft, 5x5 ft, gate valves on 4 openings, one cast iron pipe 24 inches in diameter with two 12 inch valve controlled outlets on downstream end for low flow and connection to pumping plant.				on
North Lake		uncontrolled	middle of dam	510	200		NID 2006, Report 126	concrete uncontrolled side channel	none					N			NID 2006		none					Report 126	Water is circulated from the lake to the generating station and returned to the lake				off
O C Fisher Lake	Ogee	none							none			NID 2006		N			NID 2006		slide(sluice)	1840	31300	1878.5	182	Report 126	Outlet Works: 2 conduits each 18 ft diameter 470 ft length, 6 openings each 7.5x14.5 ft, 6 slide gates; Low-Flow Outlets: 2-2.5' steel pipes	low-flow outlets parallel outlet works conduits			on

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discharge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
O H Ivie Reservoir				1551.5					tainter(radial)	6				N			NID 2006												on
O' the Pines, Lake	concrete chute	none							none			Report 126		N			NID 2006		other	200	6400		25	Report 126	2 conduits each 10 ft diameter, 2 gates each 8x12 ft.	1-14" diameter cast iron pipe, parallel to outlet structure before intersecting outlet conduit about 9' beyond the service gate			on
Oak Creek Reservoir	Fill in natural saddle	uncontrolled	beyond right end of dam	2000	300		Report 126	Cut Channel	none			NID 2006		N			NID 2006		valve					Report 126	Water is pumped to Sweetwater, Blackwell, and Bronte. A 24 inch inch pipe with vlave control can release water to Oak Creek.				on
Olney / Lake Cooper, Lake				1148					none			NID 2006		N			NID 2006												on
Palestine, Lake		uncontrolled	near the east end of the dam	345	500	187056	owner		none			owner		N			NID 2006		slide(sluice)	lowest slide gate 309.5 ft ; other slide gates, 312.5 ft, 322.5 ft, and 332.5 ft	226	298	226	Report 126	controlled concrete gatehous with 4 slide gates, 2 each 36" butterfly valves				on
Palo Duro Reservoir		uncontrolled	left abutment	2892	11' dia. Drop inlet	4000	Owner	circular drop inlet 11'						N			NID 2006		valve	2842				FNI files	18" pipe with vavle control and discharge into the spillway conduit	left end of dam			on
Palo Pinto, Lake		uncontrolled	Right end of dam	867	550	313757	NID 2006, Report 126	Concrete ogee	none			NID 2006		N			NID 2006		valve	835				Report 126	30-inch diameter concrete pipe, motor operated valves. Water flows in the creek to diversion lake 12 miles downstream.				on
Pat Cleburne, Lake	Excavated channel	uncontrolled	left end of dam	733.5	150		Report 126	concrete ogee	none			NID 2006		N			NID 2006		slide(sluice)	690				Report 126	Tower and 30 inch diameter steel pipe inside of 36 inch concrete pipe, 2 sluice gates with invert at 722				on
Pat Mayse Lake	Excavated channel	uncontrolled	center of dam	451	drop inlet with 7.25' conduit			morning glory drop inlet with 7.25' diameter conduit, low flow inlet elevation 407	none					N			NID 2006		none										on
Peacock Site 1A Tailings Reservoir		none							none			NID 2006		N			NID 2006												on
Pinkston Reservoir				298					none			NID 2006	1 valve, uncontrolled	N			NID 2006		valve										on
Possum Kingdom Lake		controlled	center of dam	987	707	500600	NID 2006, Report 126	gated controlled ogee weir, 9 roof-weir gates, each 73.66x13ft	roof-weir gates (bear trap gates)	9	500600	NID 2006	roof-weir gates, each 73.66'x13'	Y	2	12	NID 2006	originally had pr	hydropower releas	974.5 (regulating pier outlets)	each regulating pier 99 cfs; 198 cfs total (at 999 ft above msl)		each regulating pier 99 cfs; 198 cfs t	owner	normal discharge is from hydro turbines; also 2-24" sluice gates and outlet pipes	outlet pipes in regulating piers 8 and 14			on
Proctor Lake	Ogee, 11 tainter gates each 40x35 ft.	none							tainter(radial)	11	431800	NID 2006	11 tainter gates each 40'x35'	N			NID 2006		slide(sluice)	1128	580			Report 126	2 conduits each 36 inch diameter, controlled by 2 slide gates each 3'x3'				on
Ray Hubbard, Lake		controlled	east or left end of dam	409.5	560 net length; 664' ottal	375000	Owner, Report 126	concrete ogee	tainter(radial)	14 tainter gate	375000	Owner	14 tainter gates	N			NID 2006		slide(sluice)	388.0 (low flow outlet works), 392 (elevation of lowest opening, water supply outlet works)	3@1053 cfs, 3@197 cfs, 3@99 cfs			Owner, Report 126	Outlet Works (water supply): Concrete Tower Structure, Gated opening at several elevations; Outlet Works (low flow): 3 sluiceways through piers, 3 slide gates each 4x6ft.				on
Ray Roberts, Lake		none							none			NID 2006		Y	1	1.2	NID 2006		slide(sluice)	551	7100	618, 603, 588, 574.5	600	NID 2006	1 gate-controlled conduit, 13' diameter, 2 6'x13' service gates				on
Red Bluff Reservoir		controlled		2826.7	300		Report 126	concrete ogee, 12 tainter gates each 25x15 ft	tainter(radial)	12		NID 2006	12 tainter	Y	2	2	NID 2006		valve	2763.7				Report 126	Tower supplied by 2 conduits, each 7.5x9.0 ft, Irigation use: 2 outlets controlled by 4 ft gate valves, 2 penstocks controlled by butterfly valves.				on
Red Draw Reservoir		none							none			NID 2006		N			NID 2006		valve					NID 2006	2 valve, 1 other				on
Richland-Chambers Reservoir				315					tainter(radial)	24		NID 2006	24 tainter (radial)	N			NID 2006												on
River Crest Lake		none						Gate control returns surplus water to Sulphur River	vertical lift	1				N			NID 2006		none					Report 126	Water is circulated from reservoir to powerplant and back to reservoir				Off
Sam Rayburn Reservoir	labyrinth weir	none							none			NID 2006		Y	2	52	Report 126	Capacity (deper	other	105	21800			Report 126	2 conduits each 10x20 ft by 180 ft long, 2 tractor-type gates 10x20 ft and 1 emergency gate				on
Santa Rosa Lake	concrete overflow weir on one spillway on left end	uncontrolled	right end of dam	1168	200		FNI files	channel with a downstream concrete weir	none			NID 2006		N			NID 2006							Report 126	near center of dam, concrete conduit, slide gate decommissioned in 1979				on
Smithers Lake		controlled		56	90	0	NID 2006, Report 126	Concrete ogee section, 3 tainter gates each 30x15 ft	tainter(radial)	3		NID 2006	3 tainter gates each 30'x15'	N			NID 2006		none					Report 126	Water is diverted by pumps and circulated through the condensers and returned to the lake by canal.				on

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Name	**Comments Emergency Spillway Information**	**Service Spillway Type**	**Service Spillway Location**	**Service Spillway Elevation (feet above MSL)**	**Service Spillway Width (feet)**	**Maximum Service Spillway Discharge Capacity (cfs)**	**Source Service Spillway Information**	**Comments Service Spillway Information**	**Type of Gates**	**Number of Gates**	**Maximum Gate Release Capacity (cfs)**	**Source Gates**	**Comments Gates**	**Hydropower (Y/N)**	**No. of Hydropower Units**	**Generation Capacity (MW)**	**Source Hydropower**	**Comments Hydropower**	**Type of Outlet Works**	**Elevation of Outlet Works (feet above MSL)**	**Discharge Capacity of Outlet Works (cfs)**	**Elevation of Water Supply Outlet (in Dam)**	**Discharge Capacity of Water Supply Outlet in Dam (cfs)**	**Source Outlets**	**Comments Outlets**	**Location of Reservoir Water Supply Outlets**	**Source Water Supply Locations**	**Comments Water Supply Locations**	**On or Off Channel (ON/OFF)**
Somerville Lake	ogee	none							none			NID 2006		N			NID 2006		slide(sluice)	206	3300			Report 126	1 conduit, 10 ft diameter, 2 tractor-type gates 5x10 ft.				on
South Texas Project Reservoir				40					slide(sluice)	7		NID 2006	4 slide, 3 other	N			NID 2006												off
Squaw Creek Reservoir		uncontrolled	right end of dam	775	100		record drawings	normal pool at 775	none			NID 2006		N			NID 2006		slide(sluice)	6' dia. Service outlet and 3-48"x72" sluice gates and 1-emergency gate, 30' low flow pipe elev. 666.5,715,764, and 653				FNI files	right end of dam				on
Stamford, Lake	Natural channel	uncontrolled	900 ft to left of dam	1416.8 to 1417.3	100		Report 126	excavated channel in rock	none			NID 2006		N			NID 2006		valve	1382.8				Report 126	concrete shaft, 24-inch diameter by 442 ft long, 2 valves each 20 inch diameter. Water is pumped directly from the lake for powerplant use by West Texas Utility Company. Water is pumped directly from the lake by the city of Stamford for municipal use.				on
Stillhouse Hollow Lake	Broad-crested weir	none							none					N			NID 2006		slide(sluice)	515	7400				1 gate-controlled conduit, 10' in diameter, controlled by 2- 5.67'x12' hydraulically operated slide gate				on
Striker, Lake		controlled	left end of dam	282	140 (net)				tainter(radial)	4		NID 2006	4 tainter gates each 35'x10', top of gates 2921 valve	N			NID 2006		valve	282				Report 126	In service spillway, concrete pipe, 24 inch diameter, flap valve.				on
Sulphur Draw Storage Reservoir		uncontrolled	right abutment	2543.5	5000	210870	NID 2006		none			NID 2006		N			NID 2006		valve					NID 2006	2 valve, 1 other				on
Sulphur Springs, Lake	Side slope: 1.687 % on left and 2.00% on right	controlled	near center of dam	441 (gated), 457 (u	45 ft (gated), 20 ft (ungated) net lengths		Report 126	concrete ogee, four vertical gates, Farm to Market Road 2285 bridge over stilling basin.	vertical lift	4		NID 2006		N			NID 2006		none					Report 126	Water is pumped from the lake for municipal water supply.				on
Sweetwater, Lake		uncontrolled	near left end of dam	2116.5	607.5 (Report 126); 608 (NID 2006)	208954	NID 2006, Report 126	concrete ogee	none			NID 2006		N			NID 2006		valve					Report 126	Concrete structure with several inlet pipes, 18-inch pipe to control valve then 16-inch to the filter plant. The large outlet incasing this pipe was used to control water flow during construction and then plugged.				on
Tawakoni, Lake		uncontrolled	middle of dam near center of river, 1/2 mile south of river	437.5	480	50000	NID 2006, Report 126	uncontrolled concrete ogee	none			NID 2006		N			NID 2006		valve	1) 416.5 and 2) 378	1) 150 and 2) 2400			Report 126	1) 2 cast iron pipes each 20-inch diameter, motor operated valve, 2) 2 conduits each 4x6ft, sluice gates				on
Texana, Lake		controlled		23	464	190000	Volumetric Survey of Lake Texana, 2001		tainter(radial)	12	190000	NID 2006	12 gates each measuring 22.5' tall by 35' wide	N			NID 2006		gates			mult-level, with inve	1800	Volumetric Survey of L		east/west M and I structure	owner		on
Texoma, Lake		uncontrolled	right end of dam	640	200	750000	NID 2006, Report 126	Ogee	none			Report 126		Y	2	70	Report 126		vertical lift	523				Report 126	3 conduits for water release, 5 conduits for water to turbines, 20 ft-diameter by 800 ft long, vertical lift gates.				on
Toledo Bend Reservoir		controlled	left (north) end of dam	173	838	290000	NID 2006, Report 126	no spillway (NID 2006), gate controlled ogee-weir, 11 tainter gates, each 40x28 ft.	tainter(radial)	11	26363	Report 126	11 tainter on service spillway each 40x28 ft top of gates 173	Y	2	85	Report 126		slide(sluice)	100	144			Report 126	In gate pier near center, 1 conduit, 8 ft 4 inches wide by 12 ft high, 1 sluice gate 8 ft 4 inches by 12 ft				on
Lady Bird Lake	Pleasant Valley Road (four lanes of concrete and asphalt) traverses the 64' wide crest of the dam and spillway; the City of Austin has developed Krieg Softball Complex in the emergency spillway	controlled	between the north and south embankments	416 (crest elev lift g	506		Volumetric Survey of Town Lake, 1999		vertical lift/bascule	7 (vertical)/2 (		NID 2006	7 vertical lift (50'x13'), 2 bascule (50'x8'), bascule gates also serve for low-flow releases	N			NID 2006		none						2 intake structures on north shore of lake - Thomas Green Water Treatment Plant (min operating level - 424.38') and Holly Street Electric Generating Power (min operating level - 418.50')				On
Tradinghouse Creek Reservoir		controlled	left abutment	430	80		Report 126	Concrete ogee section, 2 tainter gates each 40x20ft	tainter(radial)	2		NID 2006	service spillway, 2 tainter gates each 40'x20'	N			NID 2006		none					Report 126	Water is circulated from reservoir to powerplant and back to reservoir				on
Travis, Lake		uncontrolled	center of dam	714	700	572000		concrete ogee	none			NID 2006		Y	3	102 (total)	Report 126		other	535.9	5200 (one gate)			Report 126	8.5 ft diameter conduits, 24, double gated ring-follower type gates.				on
Trinidad Lake		controlled	toward right end of dam	287	16	11810	NID 2006, Report 126	1 tainter gate 16-ft wide by 6-ft discharges to flume over embankment	tainter(radial)	1		NID 2006	service spillway	N			NID 2006		none					Report 126	Water for cooling in a steam-electric generating plant is taken from and returned to the lake.				off
Twin Buttes Reservoir	uncontrolled ogee weir	none							none			NID 2006		N			NID 2006		3 fixed-wheel gate	1885	35700			Report 126	Near Left Abutment, Gated concrete 3-barrel outlet, 15.5 ft diameter conduit, each conduit: 3 fixed wheel gates each 15x12 ft and 3 radial gates each 15x12 ft.				on
Twin Oak Reservoir	Excavated broad-crested weir	controlled		389	206		May 2007 Twin Oak Dam EAP		tainter(radial)	2		May 2007 Twin O	2 tainter gates on SS, measuring 40'x14'	N			NID 2006		slide(sluice)	379 (service outlet), 379.67 (low-flow outlet)				May 2007 Twin Oak D	30" diameter service outlet and sluice gate, 8" diameter low-flow pipe, located in six-foot pier between gates				on
Tyler, Lake		uncontrolled		375.38	200	3266	NID 2006, Report 126	concrete chute	none			NID 2006		N			NID 2006		slide(sluice)	350				Report 126	to pumping plant, intake tower 2 miles upstream, 3 sluice gates.				on
Upper Nueces Lake	West Channel relief floodway	uncontrolled		598	270		Report 126	concrete, discharges flow to a regulating pool thence to river.	none			NID 2006		N			NID 2006		slide(sluice)	559.5				Report 126	drop inlet 4'x6', 3 slide gates, 42-inch concrete pipe.				on
Valley Lake	Natural ground (country type)	uncontrolled	right end of dam	611	200		Report 126		none					N			NID 2006		other	605				Report 126	low flow, 18-inch pipe				Off

Name	Comments Emergency Spillway Information	Service Spillway Type	Service Spillway Location	Service Spillway Elevation (feet above MSL)	Service Spillway Width (feet)	Maximum Service Spillway Discharge Capacity (cfs)	Source Service Spillway Information	Comments Service Spillway Information	Type of Gates	Number of Gates	Maximum Gate Release Capacity (cfs)	Source Gates	Comments Gates	Hydropower (Y/N)	No. of Hydropower Units	Generation Capacity (MW)	Source Hydropower	Comments Hydropower	Type of Outlet Works	Elevation of Outlet Works (feet above MSL)	Discharge Capacity of Outlet Works (cfs)	Elevation of Water Supply Outlet (in Dam)	Discharge Capacity of Water Supply Outlet in Dam (cfs)	Source Outlets	Comments Outlets	Location of Reservoir Water Supply Outlets	Source Water Supply Locations	Comments Water Supply Locations	On or Off Channel (ON/OFF)
General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower	Hydropower	Hydropower	Hydropower	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations	Pump Stations	Pump Stations	Type
Victor Braunig Lake		controlled	left end of dam	493	66		Report 126	Concrete ogee section, 2 tainter gates each 33x14 ft, normal pool and top of gates at 507	tainter(radial)	2		NID 2006	2 tainter gates, each 33 by 14'	N			NID 2006		none					Report 126	Water is pumped from the lake and returned at a distant point for circulation and cooling				ON
Waco, Lake	Ogee, 14 tainter gates each 40x35 ft.	none							tainter(radial)	14		NID 2006	14 tainter gates, each 40'x35', top of gates at 500	N			NID 2006		other	400	21500			Report 126	1 conduit 20-ft diameter, 3 broome-type tractor sluice gates each 6 ft 8 in by 20 ft				on
Walter E Long, Lake		controlled	center of dam	530	90 (not including pier)		Report 126	concrete ogee weir, 2 tainter gates each 45'x25'	tainter(radial)	2		NID 2006	45'x25'	N			NID 2006		none					Report 126					ON
Waxahachie, Lake		uncontrolled	at right abutment	531.5	300		Report 126, FNI files	concrete weir	none			Report 126		N			NID 2006		valve					Report 126	concrete intake structure with 3 gated openings, each 2.5'x2.5', outlet pipe size 24", control to treating plant - valve, control to downstream releases - valve				on
Weatherford Lake	two level earth section	uncontrolled	center of dam	896	300	3000	Report 126, May 2007 Lake Weatherford Dam EAP	originally semi circular drop inlet, discharge conduit 9x9 ft, 425 ft long, inlet replaced with a labyrinth weir outlet same	none			NID 2006		N			NID 2006		valve	857				Report 126	valve controlled 18 inch concrete pipe, water diversion: pumping plant and pipeline.				on
Welsh Reservoir	max emerg spillway discharge from owner, who says he based it on Flood Routing spillway rating curves from F&N	uncontrolled	in front of dam near center	320	14' OD at mouth reduced to 7' ID in neck	1500	owner	351' from centerline of morning glory to stilling basin, conduit under dam is generally 8' wide by 7' tall, max serv spillway discharge from owner who based it on Flood Routing spillway curves from F&N	none			owner		N			NID 2006		valve	295	unknown			owner	2 each 18" butterfly valves in 18" concrete cylinder pipe				on
White River Lake	excavation in rock	uncontrolled	center of dam	crest: 2369.2 and i	5'x5' square drop inlet		Report 126	drop inlet, conduit size 5x5 ft	none			NID 2006		N			NID 2006		valve	2323				Report 126	rectangular tower (2 gated openings) right of emergency spillway, 48 inch diameter by 100 ft long, 3 vertical pumps				on
White Rock Lake		uncontrolled	left end of the dam	458	450	190808	NID 2006, Report 126	Broad-crested weir, 2 weir type notches about 2.5 ft deep by 10 ft long normally sealed with flash boards.	none			NID 2006		N			NID 2006		none					Report 126	Dallas Power and Light uses water direct from the lake for a steam-electric generating plant. Now used only for standby service. City of Dallas uses water direct from the lake for and emergency water supply. The lake is used for recreational purposes.				on
Whitney, Lake		controlled	right end of the dam	533	680	684000	NID 2006, Report 126	Ogee, 17 tainter gates, each 40x38 ft	tainter(radial)	17	684000	NID 2006	17 gates each 40'x38'	Y	2	30	Report 126		slide(sluice)	448.83	46400			Report 126	16 conduits through base of concrete dam, each 5x9 ft. gates operated from tunnel.				on
Wichita, Lake	excavated channel with a concrete control section	uncontrolled	middle of dam	976				concrete overflow section	none			NID 2006		N			NID 2006		slide(sluice)	965				Report 126	tower in the lake with two sluice gates 2 pipes each 36 inch diameter				on
Winters / New Lake Winters, Lake				1790					none			NID 2006		N			NID 2006								1 slide, 1 unknown				on
Worth, Lake	Natural low area on right side of reservoir.	uncontrolled	middle of dam	594.3	700	101760		concrete ogee	none			NID 2006		N			NID 2006		valve					Report 126	conduits through dam, one 48" diam. pipe and two 60" by 48" rectangular conduits; three 48" valves (control to treating plant), one 36" valve on 48" pipe (control to downstream releases) outlet works decommissioned in 1996.				on
Wright Patman Lake	concrete chute	none							none			Report 126		N			NID 2006		slide(sluice)	200	27600			Report 126	2- 20' diam. conduits, 4 gates, each 10' by 20' hydraulically operated				on
Tyler, Lake		uncontrolled		375.38	300	31000	NID 2006, Report 126	concrete weir	none					N					slide(sluice)	350				Report 126	Inlet box and concrete pipe with slide valve control				ON
Graham, Lake	cut in natural ground	none							none					N			NID 2006		valve	Elevation from tower - 1031.3, Crest Elevation - 1051.3				Report 126	Texas Electric Service Company pumps water directly from the lake for powerplant use. Water for municpal use is pumped directly from the lake. 2 valves each 20" diameter on 24" conduit				ON

All references to left and right are facing

declining to respond
responded to survey, did not specify wh
does not give permission to share info w
permission to share with TWDB
did not respond to survey

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	Water Rights & Supply Water Right	Water Rights & Supply Water Right	Water Rights Water Right	Water Rights Water Right
Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
Abilene, Lake		SY	1088	525	DB07	yyang: safe yi	Brazos	Elm Creek	Taylor	Tuscola	6	NW	Report 126, Verified using Google Maps		G	32.235	-99.8883		None	None	None	None	08083270	Lake Abilene near Buffalo Gap, Tex.	1999 Index of Stations			1675		
Alan Henry Reservoir		FY	22500	22500	DB07	yyang: By WA	Brazos	South Fork of the Double Mtn Fork Brazos River	Garza, Kent	Justiceburg	10	E	Verified using Google Maps		O	33.0614	-101.0417	NID 2006	08079600	Double Mountain Fork Brazos River at Justiceburg, Tex.	08080500	Double Mountain Fork Brazos River near Aspermont, Tex.	08079700	Lake Alan Henry Reservoir near Justiceburg, Tex.	1999 Index of Stations			35000		
Alcoa Lake	Little River	FY	7800	7800	DB07	yyang: By K	Brazos	Sandy Creek	Milam	Rockdale	7	SW	Report 126, Verified using Google Maps		G	30.575	-97.0483		None	None	08106350	Little River near Rockdale, Tex.	None	None	1999 Index of Stations				14000	
Amistad, International Reservoir		FY	1067310	979476	DB07	yyang: TX sha	Rio Grande	Rio Grande River	Val Verde (Estado de Coahuila, Mexico)	Del Rio	12	NW	Verified using Google Maps		J	29.4497	-101.0583	Google Earth	08447410	Pecos River near Langtry, Tex.	08450900	Rio Grande below Amistad Dam near Del Rio, Tex.	None	None	1999 Index of Stations					
Amon G Carter, Lake		FY	2108	1600	DB07		Trinity	Big Sandy Creek	Montague	Bowie	6	S	Report 126, Verified using Google Maps		B	33.4592	-97.8579	Google Earth	None	None	08043950	Big Sandy Creek near Chico, Tex.	None	None	1999 Index of Stations			3500	1300	
Anahuac, Lake	Trinity River	FY	14326			yyang: This yi	Trinity	Turtle Bayou	Chambers	Anahuac	5	N	1 mile in Google Maps		H	29.7737	-94.6869	Google Earth	08067000, 08067070	Trinity River at Liberty, Tex., CWA Canal near Dayton, Tex.	08067252	Trinity River at Wallisville, Tex.	08067118	Lake Charlotte near Anahuac, Tex.	1999 Index of Stations			2147	30000	110000
Aquilla Lake		FY	12437	5311	DB07		Brazos	Aquilla Creek	Hill	Hillsboro	7	SE	Volumeteric Survey 2002, 9 miles in Google Maps		G	31.8986	-97.2027	Google Earth	08093360	Aquilla Creek above Aquilla	08093500	Aquilla Creek near Aquilla, Tex.	08093350	Aquilla Lake above Aquilla, Tex.	1999 Index of Stations			13896		
Arlington, Lake		FY	8333	8000	DB07		Trinity	Village Creek	Tarrant	Arlington	7	W	5 miles in Google Maps		C	32.7217	-97.1983		08048970	Village Creek at Everman, Tex.	08049500	West Fork Trinity River at Grand Prairie, Tex.	08049200	Lake Arlington at Arlington, Tex.	1999 Index of Stations			13000	10120	
Arrowhead, Lake		FY	30197	46438	DB07	Arrowhead + K	Red	Little Wichita River	Clay	Wichita Falls	13	SE	Verified using Google Maps		B	33.764	-98.3667	NID 2006, Google Earth	07314500	Little Wichita River near Archer City, Tex.	07314900	Little Wichita River above Henrietta, Tex.	07314800	Lake Arrowhead near Henrietta, Tex.	1999 Index of Stations			45000		
Athens, Lake		FY	6064.166667	5660	DB07		Neches	Flat Creek	Henderson	Athens	8	E	Verified using Google Maps		I	32.2044	-95.7252	Google Earth	None	None	None	None	None	None	1999 Index of Stations	Raw water pump pier, STA#08031290		5477	3023	
Austin, Lake		FY					Colorado	Colorado River	Travis	Austin	0	W	Verified using Google Maps		K	30.294	-97.7867	Google Earth	08154900	Lake Austin at Austin, Tex.	08158000	Colorado River at Austin, Tex.			1999 Index of Stations	RAI: did not include all stations upstream of Town Lake (not u/s of Lake Austin)		271403	24000	150

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	Water Rights & Supply Water Right	Water Rights & Supply Water Right	Water Rights Water Right	Water Rights Water Right
Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
B A Steinhagen Lake		FY-S	820000	820000	DB07		Neches	Neches River	Tyler, Jasper	Town Bluff	0.5	N	Verified using Google Maps		I	30.8011	-94.1716	Google Earth	08033500	Neches River near Rockland, Tex.	08040600	Neches River near Town Bluff, Tex.	08040000	B.A. Steinhagen Lake at Town Bluff, Tex.	1999 Index of Stations			82000	600000	110000
Ballinger / Lake Moonen, Lake		SY-S	940	890	January 2006 Region F water plan		Colorado	Valley Creek and Quarry Creek	Runnels	Ballinger	5	W	Verified using Google Maps		F	31.7333	-100.0377	Google Earth	None	None	08126380	Colorado River near Ballinger, Tex.	None	None	1999 Index of Stations			1559		126
Balmorhea, Lake		FY	0	0	DB07		Rio Grande	Sandia Creek	Reeves, Loving	Balmorhea	3	SE	Report 126, Verified using Google Maps		E	30.9702	-103.7268	Google Earth	08427000	Giffin Springs at Toyahvale, Tex.	None	None	None	None	1999 Index of Stations				41400	
Bardwell Lake		FY	8567	6500	DB07		Trinity	Waxahachie Creek	Ellis	Ennis	5	S	Verified using Google Maps		C	32.2511	-96.6412	Google Earth	08063685	Waxahachie Creek near Waxahachie, Tex.	08063800	Waxahachie Creek near Bardwell, Tex.	08063700	Bardwell Lake near Ennis, Tex.	1999 Index of Stations			9600		
Bastrop, Lake		FY				yyang: backe	Colorado	Spicer Creek	Bastrop	Bastrop	3	NE	Verified using Google Maps		K	30.155	-97.2917		None	None	08159200	Colorado River at Bastrop, Tex.	None	None	1999 Index of Stations				10750	
Baylor Lake		FY	0	0	DB07	yyang: fy com	Red	Baylor Creek	Childress	Childress	10	NW	Verified using Google Maps		A	34.4767	-100.3717		None	None	07299540	Prairie Dog Town Fork Red River near Childress, Tex.	None	None	1999 Index of Stations			397		
Belton Lake		FY	211856	97217	DB07	yyang: BRA L	Brazos	Leon River	Bell	Belton	3	N	Verified using Google Maps		G	31.1083	-97.4728	Google Earth	08101000, 08100600, 08100500	Cowhouse Creek at Pidcoke, Tex., Leon River at North Fort Hood, Tex., Leon River at Gatesville, Tex.	08102500	Leon River near Belton, Tex.	08102000	Belton Lake near Belton, Tex.	1999 Index of Stations		100257	12000		
Benbrook Lake		FY	6834	6834	DB07		Trinity	Clear Fork Trinity River	Tarrant	Benbrook					C	32.6535	-97.4571	Google Earth	08045850	Clear Fork Trinity River near Weatherford, Tex.	08047000	Clear Fork Trinity River near Benbrook, Tex.	08046500	Benbrook Lake near Benbrook, Tex.	1999 Index of Stations			6150		683
Bob Sandlin, Lake		FY	60430	60430	DB07		Cypress	Big Cypress Creek	Titus,Camp,Wood & Franklin	Mt Pleasant	5	SW	6 miles in Google Maps		D	33.075	-95.0017		07344486	Brushy Creek at Scroggins, Tex.	07344500	Big Cypress Creek near Pittsburg, Tex.	07344489	Lake Bob Sandlin near Mount Pleasant, Tex.	1999 Index of Stations			11930	48500	

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Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
Bonham, Lake		FY	5340	3650	DB07		Red	Timber Creek	Fannin	Bonham	5	NE	Verified using Google Maps		C	33.6517	-96.1355	Google Earth	None	None	None	None	None	None	1999 Index of Stations	USGS has elevation station at raw water intake		5340		
Brady Creek Reservoir		FY-S	2170	2220	January 2006 Region F water plan		Colorado	Brady Creek	McCulloch	Brady	3	W	Verified using Google Maps		F	31.14	-99.3861	Google Earth	None	None	08146000	San Saba River at San Saba, Tex.	08144900	Brady Creek Reservoir near Brady, Tex.	1999 Index of Stations			3000	500	
Brandy Branch Cooling Pond		FY	11000	11000	DB07		Sabine	Brandy Branch	Harrison	Hallsville	10	SE	owner		D	32.4306	-94.485	Google Earth	None	None	08022040	Sabine River near Beckville, Tex.	None	None	1999 Index of Stations			11000		
Brazoria Reservoir	Brazos River	n/a					Brazos	N/A	Brazoria	Brazoria	1	NE	Verified using Google Maps		H	29.0683	-95.5283		08116650	Brazos River near Rosharon, Tex.	None	None	None	None	1999 Index of Stations	Downstream: Brazos River at GIWW Locks nr Freeport, TX			85000	
Bridgeport, Lake		FY	108500	101000		West Fork 201	Trinity	West Fork Trinity River	Wise	Bridgeport	4	NW	Verified using Google Maps	Jonathan Pi:	C	33.2215	-97.8309	NID 2006, Google Earth	08042800	West Fork Trinity River near Jacksboro, Tex.	08044500	West Fork Trinity River near Boyd, Tex.	08043000	Bridgeport Reservoir above Bridgeport, Tex.	1999 Index of Stations			17000		2500
Brownwood, Lake		FY	29712	29712	DB07		Colorado	Pecan Bayou	Brown	Brownwood	8	N	Verified using Google Maps		F	31.8383	-99.0017		08141000	Hords Creek Lake near Valera, Tex.	08143600	Pecan Bayou near Mullin, Tex.	None	None	1999 Index of Stations			12797	4003	6970
Bryan Utilities Lake		FY	85	85	DB07		Brazos	Unnamed Tributaries Brazos River	Brazos	Bryan	6	NW	Verified using Google Maps		G	30.7083	-96.4555	Google Earth	None	None	08111500	Brazos River near Hempstead, Tex.	None	None	1999 Index of Stations				85	
Buchanan, Lake		FY				yyang: 50140	Colorado	Colorado River	Burnet	Burnet	13	W	11 miles Google Maps		K	30.7517	-98.4183		08147000	Colorado River near San Saba, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations		1500000			
Caddo Lake		FY	10000	10000	DB07		Cypress	Cypress Bayou	Caddo Parish (LA)	Shreveport, LA	19	NW	17 Miles in Google Maps		D	32.7099	-93.9151	Google Earth	07346045, 07346000, 07346070	Black Cypress Bayou at Jefferson, Tex., Big Cypress Creek near Jefferson, Tex., Little Cypress Creek near Jefferson, Tex.	07351500	Cypress Bayou near Keithville, LA.	?	?	1999 Index of Stations	Reservoir Gage and Downstream Gage not shown in Index of Stations for Texas	2343	1281		
Calaveras Lake		FY	37000	36900	DB07		San Antonio	Calaveras Creek	Bexar	San Antonio	15	SE	Verified using Google Maps		L	29.2783	-98.305		None	None	08183500	San Antonio River near Falls City, Tex.	None	None	1999 Index of Stations			100	36900	
Canyon Lake		FY	88106.5	87484	DB07		Guadalupe	Guadalupe River	Comal	New Braunfels	12	NW	Verified using Google Maps		L	29.8519	-98.2037	Google Earth	08167500	Guadalupe River near Spring Branch, Tex.	08167800	Guadalupe River at Sattler, Tex.	08167700	Canyon Lake near New Braunfels, Tex.	1999 Index of Stations		120000			
Casa Blanca Lake		FY	0				Rio Grande	Chacon Creek	Webb	Laredo	0	NE	Report 126, Verified using Google Maps		M	27.5333	-99.4483		None	None	08459200	Rio Grande at Pipeline Crossing below Laredo, Tex.	None	None	1999 Index of Stations					600
Cedar Bayou Generating Pond		N/A					Trinity-San Jacinto	Cedar Bayou	Chambers	Baytown	5	E	10 miles in Google Maps		H	29.755	-94.8183		08067510	Cedar Bayou near Baytown, Tex.	None	None	None	None	1999 Index of Stations				30000	
Cedar Creek Reservoir Colorado	Colorado River	FY				yyang: backed	Colorado	Cedar Creek	Fayette	Lagrange	8.5	E	Verified using Google Maps		K	29.9157	-96.7367	NID 2006	None	None	08161000	Colorado River at Columbus, Tex.	None	None	1999 Index of Stations				2450	

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Cedar Creek Reservoir Trinity		FY	175000	175000	DB07		Trinity	Cedar Creek	Henderson	Trinidad	3	NE	Verified using Google Maps		C	32.18	-96.0683	NID 2006, Google Earth	08062800	Cedar Creek near Kemp, TX	08065000	Trinity River near Oakwood, Tex.	08063010	Cedar Creek Reservoir near Trinidad, Tex.	1999 Index of Stations, Co	08062900 - Additional U/S gauge, no longer active, period of record less than 40 years		202500	22500	2500
Champion Creek Reservoir		SY-S	2337	2220	January 2006 Region F water plan		Colorado	Champion Creek	Mitchell	Colorado City	7	S	Verified using Google Maps		F	32.2817	-100.8583	Google Earth	None	None	08123850	Colorado River above Silver, Tex.	08123600	Champion Creek Reservoir near Colorado City, Tex.	1999 Index of Stations			2700	4050	
Cherokee, Lake		FY	28885	27710	DB07	yyang: use db	Sabine	Cherokee Bayou	Gregg, Rusk	Longview	12	SE	Verified using Google Maps		I	32.3617	-94.606	Google Earth	None	None	08020900	Sabine River below Longview, Tex.	None	None	1999 Index of Stations		62400			
Choke Canyon Reservoir		SY	168299			yyang: close t	Nueces	Frio River	McMullen & Live Oak	Three Rivers	4	W	Verified using Google Maps		N	28.485	-98.2441	Google Earth	08206600, 08206700	Frio River at Tilden, Tex., San Miguel Creek near Tilden, Tex.	08206910	Choke Canyon Reservoir (Outflow Works Channel) near Three Rivers, TX	08206900	Choke Canyon Reservoir near Three Rivers, Tex.	1999 Index of Stations			59770	78530	200
Cisco, Lake		SY	1340	1340	DB07		Brazos	Sandy Creek	Eastland	Cisco	4	N	Verified using Google Maps		G	32.44	-98.98406	Google Earth	None	None	08086290	Big Sandy Creek above Breckenridge, Tex.	None	None	1999 Index of Stations	Upstream: williamson Dam@Lake Cisco		1971	56	
Clyde, Lake		FY-S	500	500	DB07	yyang: 795 wi	Colorado	North Prong Pecan Bayou	Callahan	Clyde	6	S	Report 126, Verified using Google Maps		G	32.3133	-99.47		None	None	08143600	Pecan Bayou near Mullin, Tex.	None	None	1999 Index of Stations			1000		
Coleman, Lake		SY-S	8507	7990	January 2006 Region F water plan		Colorado	Jim Ned	Coleman	Coleman	14	N	Verified using Google Maps		F	32.03	-99.465		None	None	08143600	Pecan Bayou near Mullin, Tex.	None	None	1999 Index of Stations			4500	4500	
Coleto Creek Reservoir		FY	20848	20848	DB07	yyang: use db	Guadalupe	Coleto Creek	Goliad & Victoria	Victoria	12	SW	Verified using Google Maps		L	28.7233	-97.1667	NID 2006, Google Earth	08176900, 08177300	Coleto Creek at Arnold Road Crossing near Schroeder, Tex., Perdido Creek at Farm Road 622 near Fannin, Tex.	08177500	Coleto Creek near Victoria, Tex.	08177400	Coleto Creek Reservoir near Victoria, Tex.	1999 Index of Stations				32500	
Colorado City, Lake		SY-S	2686	1920	January 2006 Region F water plan		Colorado	Morgan Creek	Mitchell	Colorado City	4	SW	5 miles Google Map		F	32.3183	-100.9167	NID 2006	None	None	08123850	Colorado River above Silver, Tex.	08123000	Lake Colorado City near Colorado City, Tex.	1999 Index of Stations		5500			
Conroe, Lake		FY	79800	74300	DB07		San Jacinto	West Fork San Jacinto River	Montgomery	Conroe	7	NW	Verified using Google Maps		H	30.3588	-95.56	Google Earth	None	None	08067650	West Fork San Jacinto River below Lake Conroe near Conroe, Tex.	08067600	Lake Conroe near Conroe, Tex.	1999 Index of Stations			66000	28500	
Corpus Christi, Lake		SY				yyang: close t	Nueces	Nueces River	San Patricio, Jim Wells	Mathis	4	SW	Verified using Google Maps		N	28.0417	-97.8682	Google Earth	08210000	Nueces River near Three Rivers, Tex.	08211000	Nueces River near Mathis, Tex.	08210500	Lake Corpus Christi near Mathis, Tex.	1999 Index of Stations			150000	150000	
Creek Lake, Lake		FY	9990.833333	9945	DB07		Brazos	Manos Creek	McLennan	Riesel	4	SW	Verified using Google Maps		G	31.4567	-96.988	Google Earth	None	None	08098290	Brazos River near Highbank, Tex.	None	None	1999 Index of Stations				10000	
Crook, Lake		FY	1000	1000	DB07		Red	Pine Creek	Lamar	Paris	5	N	Verified using Google Maps		D	33.7283	-95.5667		None	None	07337000	Red River at Index, Ark.	None	None	1999 Index of Stations	RAI: Downstream gauge is over 100 miles downstream		12000		
Cypress Springs, Lake		FY	10737	9537	DB07		Cypress	Big Cypress Creek	Franklin	Mount Vernon	8	SE	10 miles in Google Maps		D	33.0581	-95.14	Google Earth	None	None	07344488	Monticello Reservoir near Mount Vernon, Tex.	07344484	Lake Cypress Springs near Mount Vernon, Tex.	1999 Index of Stations			11500	3590	210
Daniel, Lake		SY	175	150	DB07	yyang: safe yi	Brazos	Gonzales Creek	Stephens	Breckenridge	7	SE	Verified using Google Maps		G	32.6483	-98.8683		None	None	08088000	Brazos River near South Bend, Tex.	None	None	1999 Index of Stations			2100		
Davis, Lake		SY	0			yyang: By Ke	Brazos	Dutchman Creek	Knox	Benjamin	4	SE	5 miles SE Google Map		G	33.5233	-99.7417	NID 2006	None	None	08082500	Brazos River at Seymour, Tex.	None	None	1999 Index of Stations					2000
Diversion, Lake		FY					Red	Wichita River	Archer	Dundee	6	NW	Verified using Google Maps		B	33.82	-98.9367		07312100	Wichita River near Mabelle, Tex.	07312130	Wichita River at State Highway 25 near Kamay, Tex.	None	None	1999 Index of Stations	RAI: Gauge 07312110, South Side Canal near Dundee, Tex., appears to be very near the location of the reservoir.		25150	40000	120000
Dunlap, Lake		N/A					Guadalupe	Guadalupe River	Guadalupe	Seguin	9	NW	Verified using Google Maps		L	29.6533	-98.0667		08168000, 08167800	Hueco Springs near New Braunfels, Tex., Guadalupe River at Sattler, Tex.	08173900	Guadalupe River at Gonzales, Tex.	None	None	1999 Index of Stations					
E.V Spence Reservoir		SY-S	36164 (CRMWD sy	35090 (CRMWD sys	January 2006 Region F water plan		Colorado	Colorado River	Coke	Robert Lee	2	W	Verified using Google Maps		F	31.895	-100.515		08123850	Colorado River above Silver, Tex.	08124000	Colorado River at Robert Lee, Tex.	08123950	E.V. Spence Reservoir near Robert Lee, Tex.	1999 Index of Stations			38573	2000	
Eagle Lake	Colorado River	FY				yyang: backec	Colorado	Moores Branch	Colorado	Eagle Lake	0	S	Verified using Google Maps		K	29.5706	-96.4017	Google Earth	None	None	08162000	Colorado River at Wharton, Tex.	None	None	1999 Index of Stations					186250
Eagle Mountain Lake		FY	108500				Trinity	West Fork Trinity River	Tarrant	Fort Worth	14	NW	Report 126, Verified using Google Maps		C	32.87	-97.4967	NID 2006	08044500, 08044800	West Fork Trinity River near Boyd, Tex., Walnut Creek at Reno, Tex.	08045400	Lake Worth above Fort Worth, Tex.	08045000	Eagle Mountain Reservoir above Fort Worth, Tex.	1999 Index of Stations		158495			
Eagle Nest Lake	Brazos River	FY	0				Brazos	Varners Creek	Brazoria	Angleton	12	NW	Verified using Google Maps		H	29.217	95.595	Google Earth	None	None	None	None	None	None	1999 Index of Stations					1800

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Electra, Lake		FY	462	420	DB07		Red	Camp Creek	Wilbarger	Electra	7	SW	Verified using Google Maps		B	33.975	-99.0233		None	None	07312200	Beaver Creek near Electra, Tex.	07312180	Lake Electra near Electra, Tex.	1999 Index of Stations			600		
Ellison Creek Reservoir		FY	13857	13857	DB07		Cypress	Ellison Creek	Morris	Lone Star	On east shore o		Verified using Google Maps		D	32.9183	-94.725		None	None	07346000	Big Cypress Creek near Jefferson, Tex.	None	None	1999 Index of Stations			2000	21000	
Fairfield Lake		FY	1567	900	DB07		Trinity	Big Brown Creek	Freestone	Fairfield	11	NE	10 miles in Google Maps		C	31.8183	-96.0417		None	None	08065000	Trinity River near Oakwood, Tex.	None	None	1999 Index of Stations				14150	
Falcon, International Reservoir		FY				yyang: TX sha	Rio Grande	Rio Grande River	Starr	Roma	13 road miles (19 river miles) upstream from Roma		14 miles NW in Google maps		M	26.559	-99.167	NID 2006, Google Earth	08459200	Rio Grande at Pipeline Crossing below Laredo, Tex.	08461300	Rio Grande below Falcon Dam near Falcon Heights, TX	None	None	1999 Index of Stations, Co	RAI: Water quality station 08461300 downstream				
Lake Nocona		FY	1260	1260	DB07		Red	Farmers Creek	Montague	Nocona	8	NE	Verified using Google Maps		B	33.8833	-97.6517		None	None	07316000	Red River near Gainesville, Tex.	07315600	Lake Nocona near Nocona, Tex.	1999 Index of Stations			1080		100
Forest Grove Reservoir		FY	8583	8500	DB07		Trinity	Caney Creek	Henderson	Athens	5	NW	7 miles in Google Maps		C	32.2283	-95.9633	NID 2006, Google Earth	None	None	08065000	Trinity River near Oakwood, Tex.	None	None	1999 Index of Stations				9500	
Fork Reservoir, Lake	Tailrace	FY	173035	166960	DB07		Sabine	Lake Fork Creek	Hopkins, Rains, Wood	Quitman	5	W	Verified using Google Maps		D	32.8067	-95.5358	Google Earth	None	None	08019000	Lake Fork Creek near Quitman, Tex.	08018800	Lake Fork Reservoir near Quitman, Tex.	1999 Index of Stations			169160	19500	
Fort Phantom Hill, Lake		SY	7348	6940	DB07	yyang: safe yi	Brazos	Elm Creek	Jones	Abilene	12	NE	Google Map		G	32.6278	-99.6683	NID 2006	08083480, 08083420, 08083270	Cedar Creek at Interstate Highway 20 at Abilene, Tex., Cat Claw Creek at Abilene, Tex., Lake Abilene near Buffalo Gap, Tex.	08084000	Clear Fork Brazos River at Nugent, Tex.	08083500	Fort Phantom Hill Reservoir near Nugent, Tex.	1999 Index of Stations			25690	6500	1000
Georgetown, Lake		FY		12003	DB07		Brazos	North Fork of the San Gabriel River	Williamson	Georgetown	3.5	W	Verified using Google Maps		G	30.6674	-97.725	Google Earth	None	None	08104700	North Fork San Gabriel River near Georgetown, Tex.	8104650	Lake Georgetown near Georgetown, Tex.	1999 Index of Stations			13610		
Gibbons Creek Reservoir		FY	6310	6310	DB07		Brazos	Gibbons Creek	Grimes	Anderson	9.5	NW	Verified using Google Maps		G	30.61	-96.0617		None	None	08111500	Brazos River near Hempstead, Tex.	None	None	1999 Index of Stations				9740	
Gilmer, Lake		FY	6180	6180	DB07		Cypress	Kelsey Creek	Upshur	Gilmer	2	NW	3 miles NW in Google Map		D	32.7624	-94.98	NID 2006, Google Earth	None	None	07346050	Little Cypress Creek near Ore City, Tex.	None	None	1999 Index of Stations			6180		
Gonzales (H-4), Lake		N/A					Guadalupe	Guadalupe River	Gonzales	Belmount	4	SE	Verified using Google Maps		L	29.4956	-97.6246	Google Earth	None	None	08173900	Guadalupe River at Gonzales, Tex.	None	None	1999 Index of Stations					
Graham, Lake		SY	4400	3650	DB07	yyang: safe yi	Brazos	Flint Creek	Young	Graham	2.2 miles NW	NW	Verified using Google Maps		G	33.1333	-98.6168	NID 2006, Google Earth	None	None	08088500	Possum Kingdom Lake near Graford, Tex.	08088400	Lake Graham near Graham, Tex.	1999 Index of Stations			11000	8400	100
Granbury, Lake		FY	67390	66370	Brazos River Authority		Brazos	Brazos River	Hood	Granbury	8	SE	SE in Google Maps		G	32.3733	-97.6883		08090800	Brazos River near Dennis, Tex.	08091000	Brazos River near Glen Rose, Tex.	08099900	Lake Granbury near Granbury, Tex.	1999 Index of Stations			0	10000	70000	19500
Granger Lake		FY		9801	DB07		Brazos	San Gabriel River	Williamson	Taylor	10	NE	Verified using Google Maps		G	30.7033	-97.3297	NID 2006, Google Earth	08105300	San Gabriel River near Weir, Tex.	08105700	San Gabriel River at Laneport, Tex.	08105600	Granger Lake near Granger, Tex.	1999 Index of Stations			19840			
Grapevine Lake		FY	18000	14500	DB07	yyang: stand-	Trinity	Denton Creek	Tarrant	Grapevine	2.7	NE	Verified using Google Maps		C	32.9667	-97.05	NID 2006	08053500	Denton Creek near Justin, Tex.	08055500	Elm Fork Trinity River near Carrollton, Tex.	08054500	Grapevine Lake near Grapevine, Tex.	1999 Index of Stations			82495	76255		2500
Greenbelt Lake		FY	8854	8200	DB07		Red	Salt Fork Red River	Donley	Clarendon	5	N	Verified using Google Maps		A	35.0017	-100.8933		None	None	07300000	Salt Fork Red River near Wellington, Tex.	07299840	Greenbelt Lake near Clarendon, Tex.	1999 Index of Stations				14530	500	250
Galveston County Reservoir	Brazos River	FY	98805			yyang: the wr	San Jacinto-Brazos		Galveston	Texas City	3	NW	Verified using Google Maps		H	29.44	-94.9843	Google Earth	None	None	None	None	None	None	1999 Index of Stations			99932			
Halbert, Lake		FY	0	0	DB07		Trinity	Elm Creek	Navarro	Corsicana	4	SE	8 miles Google Maps		C	32.0767	-96.4064	NID 2006, Google Earth	None	None	08064550	Richland-Chambers Reservoir near Kerens, Tex.	None	None	1999 Index of Stations				4003		
Hords Creek Lake		SY-S	1390	1240	January 2006 Region F water plan		Colorado	Hords Creek	Coleman	Coleman	13	W	8 miles Google Maps		F	31.8347	-99.56	Google Earth	None	None	08143600	Pecan Bayou near Mullin, Tex.	08141000	Hords Creek Lake near Valera, Tex.	1999 Index of Stations				2220		
Houston County Lake		FY	3500	3500	DB07		Trinity	Little Elkhart Creek	Houston	Crockett	10	NW	Verified using Google Maps		I	31.4067	-95.6031	Google Earth	None	None	08065350	Trinity River near Crockett, Tex.	None	None	1999 Index of Stations				3500		

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Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
Houston, Lake		FY	168000	168000	DB07		San Jacinto	San Jacinto River	Harris	Houston	18	NE	Verified using Google Maps		H	29.92	-95.1317		08069000, 08068090, 08068325, 08071280, 08070200, 08071000, 08070500	Cypress Creek near Westfield, Tex., West Fork San Jacinto River above Lake Houston near Porter, Tex., Willow Creek near Tomball, Tex., Luce Bayou above Lake Houston near Huffman, Tex., East Fork San Jacinto River near New Caney, Tex., Peach Creek at Splendora, Tex., Caney Creek near Splendora, Tex.	08072050	San Jacinto River near Sheldon, Tex.	08072000	Lake Houston near Sheldon, Tex.	1999 Index of Stations		168000			
Hubbard Creek Reservoir		SY	17325	16750	DB07	yyang: safe yi	Brazos	Hubbard Creek	Stephens	Breckenridge	6	NW	Report 126, Verified using Google Maps		G	32.8283	-98.9633		08086212, 08086290	Hubbard Creek below Albany, Tex., Big Sandy Creek above Breckenridge, Tex.	08088000	Brazos River near South Bend, Tex.	08086400	Hubbard Creek Reservoir near Breckenridge, Tex.	1999 Index of Stations			44800	1200	2000
Hubert H Moss Lake		FY	4500	4500	DB07		Red	Fish Creek	Cooke	Gainesville	10	NW	11 miles Google Maps		C	33.7733	-97.2141	Google Earth	None	None	07316000	Red River near Gainesville, Tex.	07315950	Moss Lake near Gainesville, Tex.	1999 Index of Stations			4500		
Imperial Reservoir		FY					Rio Grande	Pecos River	Pecos	Fort Stockton	25	N	Verified using Google Maps		F	31.2617	-102.8467		None	None	08446500	Pecos River near Girvin, Tex.	None	None	1999 Index of Stations					
Inks Lake		FY					Colorado	Colorado River	Burnet	Burnet	12	W	Closer to 10 in Google Maps		K	30.7309	-98.3846	Google Earth	08147000	Colorado River near San Saba, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations					
J B Thomas, Lake		FY-S	0			yyang: W/OUT	Colorado	Colorado River	Scurry	Snyder	16	SW	Verified using Google Maps		F	32.5833	-101.135		08117995	Colorado River near Gail, Tex.	08120700	Colorado River near Cuthbert, Tex.	08118000	Lake J.B. Thomas near Vincent, Tex.	1999 Index of Stations		30000			
Jacksonville, Lake		FY	6200	6200	DB07		Neches	Gum Creek	Cherokee	Jacksonville	5	SW	Verified using Google Maps		I	31.9083	-95.3103		None	None	08033000	Neches River near Diboll, Tex.	None	None	1999 Index of Stations			6200		
Jim Chapman Lake		FY	127983	117400	DB07		Sulphur	South Sulphur River	Delta, Hopkins	Cooper	4	SE	Closer to 4 miles in Google Maps		D	33.3356	-95.631	NID 2006, Google Earth	07342465, 07342480	South Sulphur River at Commerce, Tex., Middle Sulphur River at Commerce, Tex.	07342500	South Sulphur River near Cooper, Tex.	07342495	Cooper Lake near Cooper, Tex.	1999 Index of Stations			125780	20740	
Joe Pool Lake		FY	15333	10000	DB07		Trinity	Mountain Creek	Dallas	Dallas	10	SW	Verified using Google Maps		C	32.645	-96.9933	NID 2006, Google Earth	08049700, 08049580	Walnut Creek near Mansfield, Tex., Mountain Creek near Venus, Tex.	08050050	Mountain Creek Lake near Grand Prairie, Tex.	08049800	Joe Pool Lake near Duncanville, Tex.	1999 Index of Stations			15879		1121
Johnson Creek Reservoir		FY	1785	1785	DB07		Cypress	Johnson Creek	Marion	Jefferson	13	NW	owner		D	32.8384	-94.5483	Google Earth	None	None	07346000	Big Cypress Creek near Jefferson, Tex.	None	None	1999 Index of Stations			6668		
Kemp, Lake		FY	90417	39250	DB07		Red	Wichita River	Baylor	Mabelle	6	NE	Verified using Google Maps		B	33.755	-99.145		07311900	Wichita River near Seymour, Tex.	07312130	Wichita River at State Highway 25 near Kamay, Tex.	07312000	Lake Kemp near Mabelle, Tex.	1999 Index of Stations					
Kickapoo, Lake		FY	19901				Red	North Fork Little Wichita River	Archer	Archer City	10	NW	Verified using Google Maps		B	33.6633	-98.7783		None	None	07314500	Little Wichita River near Archer City, Tex.	07314000	Lake Kickapoo near Archer City, Tex.	1999 Index of Stations			40000		
Kirby, Lake		SY	470	320	DB07	yyang: safe yi	Brazos	Cedar Creek	Taylor	Abilene	5	N	Verified using Google Maps		G	32.3854	-99.7314	Google Earth	None	None	08083480	Cedar Creek at Interstate Highway 20 at Abilene, Tex.	None	None	1999 Index of Stations			3765		1235
Kurth, Lake	Angelina River	FY	18420.83333	18400	DB07		Neches	Angelina River	Angelina	Lufkin	8	N	Report 126, Verified using Google Maps		I	31.4511	-94.7	NID 2006, Google Earth	08036500, 08036700	Angelina River near Alto, Tex., Lake Nacogdoches near Nacogdoches, Tex.	08039300	Sam Rayburn Reservoir near Jasper, Tex.	None	None	1999 Index of Stations			19100		
Lavon Lake		FY	104000	104000	DB07		Trinity	East Fork Trinity River	Collin	Wylie	3 miles NE	NE	Google Map		C	33.033	-96.469	NID 2006, Google Earth	08058900, 08059400	East Fork Trinity River at McKinney, Tex., Sister Grove Creek near Blue Ridge, Tex.	08061750, 08061	East Fork Trinity River near Forney, Tex., Lake Ray Hubbard near Forney, Tex.	08060500	Lavon Lake near Lavon, Tex.	1999 Index of Stations			173300	4000	
Leon, Lake		FY	5945	5870	DB07		Brazos	Leon River	Eastland	Ranger	7 miles S	S	Verified using Google Maps		G	32.36	-98.675		None	None	08099100	Leon River near De Leon, Tex.	08099000	Leon Reservoir near Ranger, Tex.	1999 Index of Stations			5450	350	500
Lewis Creek Reservoir		FY	0				San Jacinto	Lewis Creek	Montgomery	Willis	3 miles W	W	Verified using Google Maps		H	30.43	-95.5433	Google Earth	None	None	08067650, 08067	West Fork San Jacinto River below Lake Conroe near Conroe, Tex., Lake Conroe nea Conroe, Tex.	None	None	1999 Index of Stations			5000		
Lewisville Lake		FY	7702	6730	DB07		Trinity	Elm Fork Trinity River	Denton	Lewisville	2 miles NE	NE	Google Map		C	33.0692	-96.9633	NID 2006, Google Earth	08051500, 08052700, 08051100	Clear Creek near Sanger, Tex., Little Elm Creek near Aubrey, Tex., Ray Roberts Lake near Pilot Point, Tex.	08053000	Elm Fork Trinity River near Lewisville, Tex.	08052800	Lewisville Lake near Lewisville, Tex.	1999 Index of Stations		193400	398700	10300	4900
Limestone, Lake		FY	66190	58730	Brazos River Authority		Brazos	Navasota River	Limestone,Leon, and Robertson	Marquez	7 miles NW	NW	Verified using Google Maps		G	31.325	-96.32		08110325, 08110430	Navasota River above Groesbeck, Tex., Big Creek near Freestone, Tex.	08110500	Navasota River near Easterly, Tex.	08110470	Lake Limestone near Marquez, Tex.	1999 Index of Stations		65074			
Livingston, Lake		FY	1344000	1344000	DB07	Combined yield	Trinity	Trinity River	Polk, San Jacinto, Trinity, Walker	Livingston	6 miles SW	SW	7 miles in Google Maps		H	30.6333	-95.0083	NID 2006	08065350, 08065800, 08066170	Trinity River near Crockett, Tex., Bedias Creek near Madisonville, Tex., Kickapoo Creek near Onalaska, Tex.	08066250	Trinity River near Goodrich, Tex.	08066190	Livingston Reservoir near Goodrich, Tex.	1999 Index of Stations			484000	665950	104450
Loma Alta Lake	Rio Grande						Nueces-Rio Grande Coastal		Cameron	Brownsville	8 miles NE	NE	Verified using Google Maps		M	25.98	-97.3861		None	None	None	None	None	None	1999 Index of Stations					
Lost Creek Reservoir		FY	1440	1440	DB07		Trinity	Lost Creek	Jack	Jacksboro	3 miles NE	NE	Google Map		C	33.2433	-98.1197	NID 2006	None	None	08043000, 08044	Bridgeport Reservoir above Bridgeport, Tex., West Fork Trinity River near Boyd, Tex.	None	None	1999 Index of Stations			910		

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Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
Lyndon B Johnson, Lake		N/A					Colorado	Colorado River	Burnet	Marble Falls	5 miles W	W	Closer to 4 miles in Google Maps		K	30.555	-98.3383		08151500, 08152000, 08147000	Llano River at Llano, Tex., Sandy Creek near Kingsland, Tex., Colorado River near San Saba, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations				15700	
Mackenzie Reservoir		FY	0	0	DB07		Red	Tule Creek	Briscoe	Silverton	9 miles NW	NW	Verified using Google Maps		O	34.5451	-101.438	Google Earth	None	None	07299540	Prairie Dog Town Fork Red River near Childress, Tex.	07298100	MacKenzie Reservoir near Silverton, Tex.	1999 Index of Stations			4000	1200	
Manor Lake																														
Marble Falls, Lake		FY					Colorado	Colorado River	Burnet	Marble Falls	0 mile SE	SE	2 Miles Google Map		K	30.5567	-98.2567	Google Earth	08151500, 08152000, 08147000	Llano River at Llano, Tex., Sandy Creek near Kingsland, Tex., Colorado River near San Saba, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations				400	167
Martin Lake		FY	25000	25000	DB07		Sabine	Martin Creek	Rusk, Panola	Tatum	3 miles SW	SW	Verified using Google Maps		I	32.2746	-94.5517	Google Earth	None	None	08022500	Sabine River at Logansport, La.	08022060	Martin Lake near Tatum, Tex.	1999 Index of Stations				25000	
Medina Lake		FY	0	0	DB07		San Antonio	Medina River	Medina	Bandera	16 miles SE	SE	Verified using Google Maps		L	29.54	-98.9333		08178880	Medina River at Bandera, Tex.	08180640	Medina River at La Coste, Tex.	08179500	Medina Lake near San Antonio, Tex.	1999 Index of Stations				20894	45856
Meredith, Lake		FY	69750	69750	DB07	yyang: the sat	Canadian	Canadian River	Hutchinson	Sanford	1 miles NW	NW	Verified using Google Maps		A	35.7167	-101.5533	NID 2006, Google Earth	07227500	Canadian River near Amarillo, Tex.	07228000	Canadian River near Canadian, Tex.	None	None	1999 Index of Stations				100000	51200	
Millers Creek Reservoir		SY	583	0	DB07		Brazos	Millers Creek	Baylor & Throckmorton	Goree	9 miles SE	SE	Verified using Google Maps		Water diversi	33.4221	-99.3683	Google Earth	08082700	Millers Creek near Munday, Tex.	08088000	Brazos River near South Bend, Tex.	08082800	Millers Creek Reservoir near Bomarton, Tex.	1999 Index of Stations				3500	1000	
Mineral Wells, Lake		FY	2505	2430	DB07		Brazos	Rock Creek	Parker	Mineral Wells	4 miles E	E	Verified using Google Maps		G	32.8164	-98.0417		None	None	08090800	Brazos River near Dennis, Tex.	None	None	1999 Index of Stations				2520		
Mitchell County Reservoir		FY				yyang: WAM	Colorado	Beals Creek	Mitchell	Coahoma	12 miles SW	SW	Google Map		F	32.24	-101.105	NID 2006, Google Earth	None	None	08123800	Beals Creek near Westbrook, Tex.	None	None	1999 Index of Stations						
Monticello Reservoir		FY	6098	6098	DB07		Cypress	Blundell Creek	Titus	Monticello	2.5 miles E	E	Verified using Google Maps		D	33.0818	-95.0433		07344486	Brushy Creek at Scroggins, Tex.	07344500	Big Cypress Creek near Pittsburg, Tex.	07344488	Monticello Reservoir near Mount Vernon, Tex.	1999 Index of Stations				16300	
Mountain Creek Lake		FY	6400	6400	DB07		Trinity	Mountain Creek	Dallas	Grand Prairie	4 miles SE	SE	Closer to 3 miles in Google Maps		C	32.7317	-96.9433		08049800	Joe Pool Lake near Duncanville, Tex.	08050100	Mountain Creek at Grand Prairie, Tex.	08050050	Mountain Creek Lake near Grand Prairie, Tex.	1999 Index of Stations				6400	
Murvaul, Lake		FY	21791.66667	18850	DB07		Sabine	Murvaul Bayou	Panola	Carthage	10 miles SW	SW	Verified using Google Maps		I	32.0333	-94.42		None	None	08022500	Sabine River at Logansport, La.	None	None	1999 Index of Stations				21280	1120	
Nacogdoches, Lake		FY	9459	7430	DB07		Neches	Bayou Loco	Nacogdoches	Nacogdoches	10 miles W	W	Verified using Google Maps		I	31.5883	-94.8267		None	None	08039300	Sam Rayburn Reservoir near Jasper, Tex.	08036700	Lake Nacogdoches near Nacogdoches, Tex.	1999 Index of Stations				22000		
Nasworthy, Lake		SY-S	12310	11360	January 2006 Region F water plan	Twin Buttes op	Colorado	South Concho River	Tom Green	San Angelo	6 miles SW	SW	Verified using Google Maps		F	31.3883	-100.4783		08128000	South Concho River at Christoval, TX	08136000	Concho River at San Angelo, Tex.	08132000	Lake Nasworthy near San Angelo, Tex.	1999 Index of Stations, Compilation of Surface Water Records in Texas through Dec. 1975				17000	7000	1000
Navarro Mills Lake		FY	19400	15000	DB07		Trinity	Richland Creek	Navarro	Corsicana	16 miles SW	SW	Verified using Google Maps		C	31.96	-96.7		None	None	08063100	Richland Creek near Dawson, Tex.	08063050	Navarro Mills Lake near Dawson, Tex.	1999 Index of Stations				18850	450	
New Terrell City Lake		FY	2283	2200	DB07		Trinity	Muddy Cedar Creek	Kaufman	Terrell	6 miles E	E	Verified using Google Maps		C	32.7283	-96.1733		None	None	08063010	Cedar Creek Reservoir near Trinidad, Tex.	None	None	1999 Index of Stations				6000		
North Fork Buffalo Creek Reservoir		FY	840	840	DB07		Red	North Fork Buffalo Creek	Wichita	Iowa Park	5 miles NW	NW	Verified using Google Maps		B	33.9858	-98.7517	Google Earth	None	None	07312500	Wichita River at Wichita Falls, Tex.	07312380	North Fork Buffalo Creek Reservoir near Iowa Park, Tex.	1999 Index of Stations				840		
North Lake	channel of Elm Fork Trinity River	FY	0	0	DB07		Trinity	South Fork of Grapevine Creek	Dallas	Coppell	2 miles SE	SE	Verified using Google Maps		C	32.9467	-96.97		None	None	08057000	Trinity River at Dallas, Tex.	None	None	1999 Index of Stations				1000		
O C Fisher Lake		SY-S	3862	3270	January 2006 Region F water plan	yyang: with su	Colorado	North Concho River	Tom Green	San Angelo	3 miles NW	NW	Verified using Google Maps		F	31.4737	-100.4833	Google Earth	08134000	North Concho River near Carlsbad, Tex.	08136000	Concho River at San Angelo, Tex.	08134500	O.C. Fisher Lake at San Angelo, Tex.	1999 Index of Stations				80400		

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Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
O H Ivie Reservoir		SY-S	33479 (CRMWD sy	28345 (CRMWD sys	January 2006 Region F water plan		Colorado	Colorado River	Coleman	Paint Rock	15 miles E	E	Verified using Google Maps		F	31.5028	-99.6669	NID 2006, Google Earth	08126380, 08127000, 08136500	Colorado River near Ballinger, Tex., Elm Creek at Ballinger, Tex., Concho River at Paint Rock, Tex.	08136700	Colorado River near Stacy, Tex.	08136600	O.H. Ivie Reservoir near Voss, Tex.	1999 Index of Stations			103000	10000	
O' the Pines, Lake		FY	181869	181869	DB07		Cypress	Big Cypress Creek	Marion	Jefferson	9 miles W	W	Verified using Google Maps		D	32.7497	-94.5045	Google Earth	07344500	Big Cypress Creek near Pittsburg, Tex.	07346000	Big Cypress Creek near Jefferson, Tex.	07345900	Lake O' the Pines near Jefferson, Tex.	1999 Index of Stations			40070	151800	
Oak Creek Reservoir		SY-S	2118	1760	January 2006 Region F water plan		Colorado	Oak Creek	Coke	Blackwell	5 miles SE	SE	Closer to 4 miles in Google Maps		F	32.0417	-100.2667	NID 2006, Google Earth	None	None	08126380	Colorado River near Ballinger, Tex.	08125500	Oak Creek Reservoir near Blackwell, Tex.	1999 Index of Stations			6000	4000	
Olney / Lake Cooper, Lake		FY	961	961	DB07		Red	Mesquite Creek	Archer	Megargel	8 miles E	E	Verified using Google Maps		B	33.4417	-98.7817	NID 2006	None	None	07314500	Little Wichita River near Archer City, Tex.	None	None	1999 Index of Stations			1260		
Palestine, Lake		FY	220993	214600	DB07	yyang: the fiel	Neches	Neches River	Anderson, Cherokee, Henderson, Smith	Frankston	4 miles W	W	Verified using Google Maps		I	32.055	-95.4383		None	None	08032000	Neches River near Neches, Tex.	None	None	1999 Index of Stations			213910	23000	600
Palo Duro Reservoir		FY	3958	3750	DB07		Canadian	Palo Duro Creek	Hansford	Spearman	12 miles N	N	Verified using Google Maps		A	36.3617	-101.1633	NID 2006, Google Earth	None	None	None	None	07233550	Palo Duro Reservoir near Spearman, Tex.	1999 Index of Stations			10460		
Palo Pinto, Lake		SY	8193	6660	DB07	yyang: safe yi	Brazos	Palo Pinto Creek	Palo Pinto	Mineral Wells	15 miles SW	SW	Verified using Google Maps		G	32.6467	-98.2683		None	None	08090800	Brazos River near Dennis, Tex.	None	None	1999 Index of Stations			12500	6000	
Pat Cleburne, Lake		FY	5245	4837	DB07		Brazos	Nolan River	Johnson	Cleburne	4 miles SW	SW	SW in Google Maps		G	32.2876	-97.4167	Google Earth	None	None	08092000	Nolan River at Blum, Tex.	08091900	Lake Pat Cleburne, Tex.	1999 Index of Stations			5760		240
Pat Mayse Lake		FY	59750	58000	DB07		Red	Sanders Creek	Lamar	Arthur City	2 miles SW	SW	Verified using Google Maps		D	33.85333	-95.5533	NID 2006, Google Earth	None	None	07335500	Red River at Arthur City, Tex.	None	None	1999 Index of Stations			25000	36610	
Peacock Site 1A Tailings Reservoir		FY				yyang: WAM	Cypress	Tr-Peacock Creek	Morris	Lone Star	2 miles NE	NE	Verified using Google Maps		D	32.97	-94.6818	NID 2006, Google Earth	None	None	07346000	Big Cypress Creek near Jefferson, Tex.	None	None	1999 Index of Stations					
Pinkston Reservoir		FY	2030.833333	1960	DB07		Neches	Sandy Creek	Shelby	Center	12.5 miles SW	SW	Verified using Google Maps		I	31.705	-94.3646	Google Earth	None	None	08038000	Attoyac Bayou near Chireno, Tex.	None	None	1999 Index of Stations			3800		
Possum Kingdom Lake		FY	287030	237650	Brazos River Authority		Brazos	Brazos River	Palo Pinto	Graham	18 Miles SE	SE	Report 126, Verified using Google Maps		G	32.8711	-98.4261	NID 2006, Google Earth	08088000	Brazos River near South Bend, Tex.	08088610	Brazos River near Graford, Tex.	08088500	Possum Kingdom Lake near Graford, Tex.	1999 Index of Stations			230750		
Proctor Lake		FY		13492	DB07		Brazos	Leon River	Comanche	Proctor	3.5 miles W	W	3 Miles in Google Map		G	31.9717	-98.4767	NID 2006, Google Earth	08099300, 08099100	Sabana River near De Leon, Tex., Leon River near De Leon, Tex.	08100000	Leon River near Hamilton, Tex.	08099400	Proctor Lake near Proctor, Tex.	1999 Index of Stations			19658		
Ray Hubbard, Lake		FY	60367	58700	DB07		Trinity	East Fork Trinity River	Rockwall, Dallas, Collin, Kaufman	Forney	approx 3 miles e	W	Distance to Dam 8 Miles in Google Maps		C	32.8017	-96.5067		08061540, 08058900, 08059400, 08060500	Rowlett Creek near Sachse, Tex., East Fork Trinity River at McKinney, Tex., Sister Grove Creek near Blue Ridge, Tex., Lavon Lake near Lavon, Tex.	08061750	East Fork Trinity River near Forney, Tex.	08061550	Lake Ray Hubbard near Forney, Tex.	1999 Index of Stations			89700		
Ray Roberts, Lake		FY	219424	204239	2006 Region C Water Plan, Table I-2	yyang: system	Trinity	Elm Fork Trinity River	Denton	Sanger	5 miles E	E	Closer to 8 Miles in Google Maps		C	33.3567	-97.0367	NID 2006	08050400, 08050800, 08050840	Elm Fork Trinity River at Gainesville, Tex., Timber Creek near Collinsville, Tex., Range Creek near Collinsville, Tex.	08053000, 08052	Elm Fork Trinity River near Lewisville, Tex., Lewisville Lake near Lewisville, Tex.	08051100	Ray Roberts Lake near Pilot Point, Tex.	1999 Index of Stations			799600		
Red Bluff Reservoir		FY	41199	38570	DB07	yyang: the pla	Rio Grande	Pecos River	Reeves, Loving	Orla	5 miles N	N	Report 126, Verified using Google Maps		F	31.9017	-103.91		08407500		08446500	Pecos River near Girvin, Tex.	None	None	1999 Index of Stations					292500
Red Draw Reservoir		FY				yyang: WAM	Colorado	Red Draw	Howard	Big Spring	5 miles E	E	Closer to 6 Miles in Google Maps		F	32.2279	-101.3767	Google Earth	None	None	08123800	Beals Creek near Westbrook, Tex.	None	None	1999 Index of Stations					
Richland-Chambers Reservoir		FY	222625	218650	DB07		Trinity	Richland Creek	Navarro	Kerens	14.4 mi. N	N	14 Miles SW in Google Maps		C	31.9667	-96.0937	NID 2006, Google Earth	08064100, 08063100	Chambers Creek near Rice, Tex., Richland Creek near Dawson, Tex.	08065000	Trinity River near Oakwood, Tex.	08064550	Richland-Chambers Reservoir near Kerens, Tex.	1999 Index of Stations			205000	2500	2500
River Crest Lake	Sulphur River	FY	8635	8635	DB07	yyang: reg D	Sulphur		Red River	Bogata	7 miles SE	SE	Verified using Google Maps		D	33.3883	-95.1467		07343000, 07342500	North Sulphur River near Cooper, Tex., South Sulphur Rivek near Cooper, Tex.	07343210	Sulphur River below Talco, Tex.	None	None	1999 Index of Stations			10000		
Sam Rayburn Reservoir		FY	820000	820000	DB07		Neches	Angelina River	Jasper	Jasper	10 miles NW	NW	Verified using Google Maps		I	31.0647	-94.087	NID 2006, Google Earth	08036500, 08038000, 08039100, 08036700	Angelina River near Alto, Tex., Attoyac Bayou near Chireno, Tex., Ayish Bayou near San Augustine, Tex., Lake Nacogdoches near Nacogdoches, Tex.	08040600	Neches River near Town Bluff, Tex.	08039300	Sam Rayburn Reservoir near Jasper, Tex.	1999 Index of Stations			28000		
Santa Rosa Lake		FY	3075	3075	DB07		Red	Beaver Creek	Wilbarger	Vernon	15 miles S	S	Verified using Google Maps		B	33.9409	-99.26		None	None	07312200	Beaver Creek near Electra, Tex.	None	None	1999 Index of Stations					3075.1
Smithers Lake		FY	0				Brazos	Dry Creek	Fort Bend	Richmond	10 miles SE	SE	Verified using Google Maps		H	29.488	-95.6242		None	None	08116650	Brazos River near Rosharon, Tex.	None	None	1999 Index of Stations			28711		

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	Water Rights & Supply Water Right	Water Rights & Supply Water Right	Water Rights Water Right	Water Rights Water Right
Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
Somerville Lake		FY	43148.83333	42043	DB07		Brazos	Yegua Creek	Burleson, Washington	Somerville	2 miles S	S	Verified using Google Maps		G	30.3314	-96.5333	NID 2006, Google Earth	08109700, 08109800	Middle Yegua Creek near Dime Box, Tex., East Yegua Creek near Dime Box, Tex.	08111500	Brazos River near Hempstead, Tex.	08109900	Somerville Lake near Somerville, Tex.	1999 Index of Stations		48000			
South Texas Project Reservoir	Colorado River	FY				yyang: backed	Colorado		Matagorda	Bay City	15 miles SW	SW	Verified using Google Maps		K	28.7433	-96.0583		08162500	Colorado River near Bay City, Tex.	None	None	None	None	1999 Index of Stations			102000		
Squaw Creek Reservoir		FY	8810	8710	DB07		Brazos	Squaw Creek	Somervell & Hood	Glen Rose	4 miles N	N	Verified using Google Maps		G	32.2926	-97.76	Google Earth	None	None	08091750	Squaw Creek near Glen Rose, Tex.	08091730	Squaw Creek Reservoir near Glen Rose, Tex.	1999 Index of Stations			23180		
Stamford, Lake		SY	5675	5300	DB07	yyang: 5792 if	Brazos	Paint Creek	Haskell	Haskell	10 miles SE	SE	Verified using Google Maps		G	33.0717	-99.56		None	None	08085500	Clear Fork Brazos River at Fort Griffin, Tex.	08084500	Lake Stamford near Haskell, Tex.	1999 Index of Stations			10000		
Stillhouse Hollow Lake		FY		67768	DB07		Brazos	Lampasas River	Bell	Belton	5 miles SW	SW	Verified using Google Maps		G	31.0215	-97.531	NID 2006, Google Earth	08103800, 08103900	Lampasas River near Kempner, Tex., South Fork Rocky Creek near Briggs, Tex.	08104100	Lampasas River near Belton, Tex.	08104050	Stillhouse Hollow Lake near Belton, Tex.	1999 Index of Stations			67768		
Striker, Lake		FY	20183.33333	16050	DB07		Neches	Striker Creek	Rusk, Cherokee	Henderson	18 miles SW	SW	Verified using Google Maps		I	31.9335	-94.9789	Google Earth	None	None	08036500	Angelina River near Alto, Tex.	None	None	1999 Index of Stations			20600		
Sulphur Draw Storage Reservoir		N/A					Colorado	Sulphur Draw	Martin	Big Spring	18 miles NW	NW	17 Miles NW in Google Maps		F	32.3217	-101.7489	NID 2006, Google Earth	None	None	08123800	Beals Creek near Westbrook, Tex.	None	None	1999 Index of Stations		2500			
Sulphur Springs, Lake		FY	9800	9800	DB07		Sulphur	White Oak Creek	Hopkins	Sulphur Springs	2 miles N	N	Verified using Google Maps		D	33.1733	-95.61		None	None	07343500	White Oak Creek near Talco, Tex.	None	None	1999 Index of Stations			9800		
Sweetwater, Lake		SY	1026	980	DB07	yyang: safe yi	Brazos	Bitter and Cottonwood Creeks	Nolan	Sweetwater	6 miles SE	SE	Verified using Google Maps		G	32.4383	-100.3033	NID 2006, Google Earth	None	None	08084000	Clear Fork Brazos River at Nugent, Tex.	08083200	Lake Sweetwater near Sweetwater, Tex.	1999 Index of Stations			2730	960	50
Tawakoni, Lake		FY	229807	221240	DB07		Sabine	Sabine River	Rains, Van Zandt, Hunt	Wills Point	9 miles NE	NE	Verified using Google Maps		D	32.81	-95.9167	NID 2006, Google Earth	08017200, 08017300	Cowleech Fork Sabine River at Greenville, Tex., South Fork Sabine River near Quinlan, Tex.	08017410	Sabine River near Wills Point, Tex.	08017400	Lake Tawakoni near Wills Point, Tex.	1999 Index of Stations		3500	234600		
Texana, Lake		FY	74500	74500	DB07	yyang: exclud	Lavaca	Navidad River	Jackson	Edna	7 miles SW	SW	SW in Google Maps		P	28.89	-96.5783		08164390, 08164450, 08164503, 08164504	Navidad River at Strane Park near Edna, Tex., Sandy Creek near Ganado, Tex., West Mustang Creek near Ganado, Tex., East Mustang Creek at Farm Road 647 near Ganado, Tex.	None	None	None	None	1999 Index of Stations			46518	32482	
Texoma, Lake		FY	138700	138700	DB07		Red	Red River	Grayson	Denison	5 miles NW	NW	Verified using Google Maps		C	33.8183	-96.57	Google Earth	07316000	Red River near Gainesville, Tex.	07335500	Red River at Arthur City, Tex.	None	None	1999 Index of Stations			125300	20000	250
Toledo Bend Reservoir		FY	750000	750000	DB07		Sabine	Sabine River	Newton, Panola, Sabine, Shelby	Burkeville	14 miles NE	NE	Report 126, Verified using Google Maps	River Mile 156	I	31.1783	-93.5667	Google Earth	08022040, 08022500	Sabine River near Beckville, Tex., Sabine River at Logansport, La.	08026000	Sabine River near Burkeville, Tex.	08025350	Toledo Bend Reservoir near Burkeville, Tex.	1999 Index of Stations			100000	600000	50000
Lady Bird Lake		FY				yyang: backed	Colorado	Colorado River	Travis	Austin	0 mile		Verified using Google Maps		K	30.25	-97.7133	NID 2006	08156800, 08155500, 08157600, 08157700	Shoal Creek at 12th Street, Austin, Tex., Barton Springs at Austin, Tex., East Bouldin Creek at South First Street, Austin, Tex., Blunn Creek near Little Stacy Park, Austin, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations	See Lake Austin for additional upstream gauges				
Tradinghouse Creek Reservoir		FY	4120	4120	DB07		Brazos	Tradinghouse Creek	McLennan	Waco	9 miles E	E	Closer to 10 in Google Maps		G	31.5533	-96.98		None	None	08098290	Brazos River near Highbank, Tex.	None	None	1999 Index of Stations			12000		
Travis, Lake		FY	381545	374642	DB07	RAI: yield for H	Colorado	Colorado River	Travis	Austin	13 miles NW	NW	Report 126, Verified using Google Maps		K	30.3917	-97.9067		08153500	Pedernales River near Johnson City, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations	See Lakes Buchanan and Lyndon B. Johnson for additional upstream gauges	1500000			
Trinidad Lake	Trinity River	FY	3067	2900	DB07		Trinity	Trinity River	Henderson	Trinidad	2 miles S	S	Verified using Google Maps		C	32.1117	-96.1033	NID 2006	08062700	Trinity River at Trinidad, Tex.	08065000	Trinity River near Oakwood, Tex.	None	None	1999 Index of Stations			4000		
Twin Buttes Reservoir		SY-S	12310	11360	January 2006 Region F water plan	Twin Buttes op	Colorado	South Concho River, Spring Creek, and Middle Concho River	Tom Green	San Angelo	8 miles SW	SW	Verified using Google Maps		F	31.3767	-100.5167	NID 2006, Google Earth	08128400, 08129300, 08130500, 08128000	Middle Concho River above Tankersley, Tex., Spring Creek above Tankersley, Tex., Dove Creek at Knickerbocker, Tex., South Concho River at Christoval, Tex.	08136000, 08132	Concho River at San Angelo, Tex., Lake Nasworthy near San Angelo, Tex.	08131200	Twin Buttes Reservoir near San Angelo, Tex.	1999 Index of Stations			4000		25000
Twin Oak Reservoir		FY	2725	2600	DB07		Brazos	Duck Creek	Robertson	Franklin	12 miles NW	NW	Verified using Google Maps		G	31.2	-96.4633		None	None	08110800	Navasota River at Old San Antonio Road near Bryan, Tex.	None	None	1999 Index of Stations			13200		
Tyler, Lake		FY	35457.5	35295	DB07		Neches	Prairie Creek	Smith	Tyler	12 miles SE	SE	Verified using Google Maps		I	32.2117	-95.1717	NID 2006, Google Earth	None	None	08036500	Angelina River near Alto, Tex.	None	None	1999 Index of Stations		40325			
Upper Nueces Lake		FY	0			yyang: it is a r	Nueces	Nueces River	Zavala	Crystal	6 miles N	N	Verified using Google Maps		L	28.7783	-99.8283		08192000	Nueces River below Uvalde, Tex.	08193000	Nueces River near Asherton, Tex.	None	None	1999 Index of Stations					8000
Valley Lake	Red River	FY	0	0	DB07		Red		Fannin	Savoy	2.5 miles N	N	Verified using Google Maps		C	33.645	-96.3583	Google Earth	None	None	07335500	Red River at Arthur City, Tex.	None	None	1999 Index of Stations			10000		

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Location	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	Water Rights & Supply Water Right	Water Rights & Supply Water Right	Water Rights Water Right	Water Rights Water Right
Name	**Stream if Off-Channel**	**Yield Type (FY,SY,Other)**	**Year 2010 Yield (acre-feet)**	**Year 2060 Yield (acre-feet)**	**Source Yield**	**Comments Yield**	**River Basin**	**Stream**	**County**	**Nearest town**	**Distance from Nearest Town (miles)**	**Direction from Nearest Town**	**Source Location**	**Comments Location**	**Water Planning Region**	**Dam Central Latitude**	**Dam Central Longitude**	**Source Lat/Long**	**Upstream USGS Gauge Number(s)**	**Upstream USGS Gauge Name(s)**	**Down Stream USGS Gauge Number(s)**	**Down Stream USGS Gauge Names(s)**	**Reservoir USGS Gauge Number**	**Reservoir USGS Gauge Name**	**Source USGS Gauge Data**	**Comments USGS Gauge Data**	**Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Municipal Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)**
Victor Braunig Lake		FY	12000	12000	DB07		San Antonio	Arroyo Seco	Bexar	Elmendorf	2 miles SW	SW	Verified using Google Maps		L	29.2413	-98.3717	Google Earth	08181500, 08178565, 08178800	Medina River at San Antonio, Tex., San Antonio River at Loop 410 at San Antonio, Tex., Salado Creek (lower station) at San Antonio, Tex.	08181800	San Antonio River near Elmendorf, Tex.	None	None	1999 Index of Stations				12000	
Waco, Lake		FY	79869	79869	DB07		Brazos	Bosque River	McLennan	Waco	2 miles W	W	Verified using Google Maps		G	31.584	-97.202	NID 2006, Google Earth	08095200, 08095400, 08095300	North Bosque River at Valley Mills, Tex., Hog Creek near Crawford, Tex., Middle Bosque River near McGregor, Tex.	08096500	Brazos River at Waco, Tex.	08095550	Waco Lake near Waco, Tex.	1999 Index of Stations		58200	20770		900
Walter E Long, Lake		FY	0				Colorado	Decker Creek	Travis	Austin	9 miles E	E	Verified using Google Maps		K	30.285	-97.5967		None	None	08159200	Colorado River at Bastrop, Tex.	None	None	1999 Index of Stations			20300	16156	
Waxahachie, Lake		FY	2667	2200	DB07		Trinity	South Prong Creek	Ellis	Waxahachie	4 miles SE	SE	Report 126, Verified using Google Maps		C	32.3417	-96.805		None	None	08063800, 08063	Waxahachie Creek near Bardwell, Tex., Bardwell Lake near Ennis, Tex.	None	None	1999 Index of Stations			3570		
Weatherford Lake		FY	2750	2000	DB07		Trinity	Clear Fork Trinity River	Parker	Weatherford	7 miles E	E	Verified using Google Maps		C	32.7717	-97.675		None	None	08045850	Clear Fork Trinity River near Weatherford, Tex.	08045800	Lake Weatherford near Weatherford, Tex.	1999 Index of Stations			4500	600	120
Welsh Reservoir		FY	3739	3739	DB07		Cypress	Swauano Creek	Titus	Cason	1	NW	owner		D	33.044	-94.8333		None	None	07346000, 07345	Big Cypress Creek near Jefferson, Tex., Lake O' the Pines near Jefferson, Tex.	None	None	1999 Index of Stations				17000	
White River Lake		FY	2430.5	8	DB07		Brazos	White River	Crosby	Crosbyton	16 miles SE	SE	Report 126, Verified using Google Maps		O	33.4567	-101.0853	NID 2006, Google Earth	None	None	08082000	Salt Fork Brazos River near Aspermont, Tex.	08080910	White River Reservoir near Spur, Tex.	1999 Index of Stations			4000		
White Rock Lake		FY	5083	1000	DB07		Trinity	White Rock Creek	Dallas	Dallas	0 mile		Verified using Google Maps		C	32.815	-96.725		08057200	White Rock Creek at Greenville Avenue, Dallas, Tex.	08057410	Trinity River below Dallas, Tex.	None	None	1999 Index of Stations			5696.8		3000
Whitney, Lake		FY	18336	18336	DB07		Brazos	Brazos River	Hill, Bosque	Whitney	5.5 miles SW	SW	Verified using Google Maps		G	31.8727	-97.36667	NID 2006, Google Earth	08091000, 08091750, 08091500, 08092000	Brazos River near Glen Rose, Tex., Squaw Creek near Glen Rose, Tex., Paluxy River at Glen Rose, Tex., Nolan River at Blum, Tex.	08093100	Brazos River near Aquilla, Tex.	08092500	Lake Whitney near Whitney, Tex.	1999 Index of Stations		18336			
Wichita, Lake		FY			DB07	yyang: WAM t	Red	Holiday Creek	Wichita	Wichita Falls	6 miles SW	SW	Verified using Google Maps		B	33.8439	-98.5383	Google Earth	None	None	07312700	Wichita River near Charlie, Tex.	None	None	1999 Index of Stations			7289		672
Winters / New Lake Winters, Lake		SY-S	720	670	January 2006 Region F water plan		Colorado	Elm Creek	Runnels	Winters	5 miles E	E	Verified using Google Maps		F	31.9383	-99.8683	NID 2006, Google Earth	None	None	08127000	Elm Creek at Ballinger, Tex.	None	None	1999 Index of Stations			1360		
Worth, Lake		FY				yield included i	Trinity	West Fork Trinity River	Tarrant	Fort Worth	0	NW	Verified using Google Maps		C	32.7917	-97.415		08044500, 08044800, 08045000	West Fork Trinity River near Boyd, Tex., Walnut Creek at Reno, Tex., Eagle Mountain Reservoir above Fort Worth, Tex.	08048000	West Fork Trinity River at Fort Worth, Tex.	08045400	Lake Worth above Fort Worth, Tex.	1999 Index of Stations	Gauges 08044500 and 08044800 are upstream of Eagle Mountain Lake, Gauge 08045000 is the Eagle Mountain Lake Reservoir Gauge		12143	1000	145
Wright Patman Lake		FY	180000	180000	DB07		Sulphur	Sulphur River	Bowie, Cass	Texarkana	9	SW	Verified using Google Maps		D	33.305	-94.16		07343210, 07343500	Sulphur River below Talco, Tex., White Oak Creek near Talco, Tex.	None	None	07344200	Wright Patman Lake near Texarkana, Tex.	1999 Index of Stations			45000	135000	
Tyler, Lake		FY	35457.5	35295	DB07		Neches	Mud Creek	Smith	Tyler	12 miles SE	SE	Verified using Google Maps		I	32.2117	-95.1717		None	None	08036500	Angelina River near Alto, Tex.	None	None	1999 Index of Stations		40325			
Graham, Lake		SY	4400	3650	DB07	yyang: safe yi	Brazos	Salt Creek	Young	Graham	2.2 miles NW	NW	Verified using Google Maps		G	33.1333	-98.6168	NID 2006, Google Earth	None	None	08088500	Possum Kingdom Lake near Graford, Tex.	08088400	Lake Graham near Graham, Tex.	1999 Index of Stations			11000	8400	100

All references to left and right are facing

declining to respond
responded to survey, did not specify wh
does not give permission to share this s
permission to share with TWDB
did not respond to survey

General	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights				
Name	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	Water Right	WAM	WAM	WAM				
Name	**Authorized Mining Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)**	**Authorized Other Consumptive Diversion (Ac-Ft/Yr)**	**Total Authorized Consumptive Diversion (Ac-Ft/Yr)**	**Total Non Consumptive Use (Ac-Ft/Yr)**	**Type of Use, Non-Consumptive Diversion**	**Type of Use, Multiple Purpose Consumptive Diversion**	**Water Right Type (CA or P)**	**Water Right or Application Number(s)**	**Permit Number(s)**	**Latest Amendment**	**Authorized Impoundment**	**Priority Date(s)**	**Source Water Rights Information**	**Comments Water Rights Information**	**WAM Reservoir ID**	**WAM Control Point ID for Dam**	**Other Associated WAM Control Point IDs**	**Hazard Rating**	**Completed Comparison to NID 2006?**	**Completed Comparison to Previous Report 126?**	**Completed Comparison to TCEQ WR Database**	**Modified or Built after 1973**
Abilene, Lake				1675				CA	CA12-4142			11868	01/23/1918	DB07, TCEQ Data	RAI: From Report 126: Permit No. 253 (Application No. 259) September 7, 1918 authorized a dam to create a reservoir of 45,000 acre-feet capacity (actual capacity is only 9,790 acre-feet) and annual use of 1,675 acre-feet of water.	ABILNE	414231		High	Y	Y	Y	N
Alan Henry Reservoir				35000				P	4155, or P4146	4146	A	115937	10/05/1981	Volumetric Survey	RAI: Permit No. in DB07 is 4155	ALANHN	4146P1		High	Y	N/A	Y	Y
Alcoa Lake				14000				CA	CA12-5272	3758	A	15650	12/12/1951	DB07, TCEQ Data	RAI: From Report 126: Permit No. 1608 (Application No. 1733), February 13, 1952, allows storage of 12,000 acre-feet and annual use of 18,000 ac-ft of water by pumping from the Little River. Permit No. 1608A (Application No. 1733A), June 13, 1972, authorized increase in capacity to 14,750 ac-ft at elevation 468.5 ft above msl.	ALCOAL	527231		High	Y	Y	Y	
Amistad, International Reservoir		2147279		2147279	1500000			P	CA23-3603	3603	A		05/08/1978	TCEQ Database	yyang: from Rio Grand WAM Report (by Bob Brandes), Table 5.2-3yyang: from WAM report table 5.2-3yyang: the 1.5 million and 1.2 million are hydropower uses. Kathy suggested to use 2,147,279, which is from RG WAM Run3, as total consumptive use from the two international reservoirs.	COMAMI, MEXAMI, TEXAMI	CT1160		High	Y	Y		Y
Amon G Carter, Lake	200			5000				CA	CA08-3320			20000	07/12/1954, 08/19/1954	DB07, TCEQ Data	RAI: From Report 126: Permit No. 1719 (Application No. 1853) August 19, 1954, allows storage of 20,050 ac-ft of water and annual use of 3,500 ac-ft for municipal and 1,500 ac-ft for industrial purposes.	CARTER	B3320B		High	Y	Y	Y	Y, modified
Anahuac, Lake	800			142947				CA	CA08-4279		B	35300	04/14/1906, 11/07/1936, 11/11/1971	TCEQ Database	RAI: From Report 126: Water rights date back to Certified Filing No. 246 filed June 26, 1914, Certified Filing No. 254 filed Feb. 12, 1914, and Certified Filing No. 531 filed June 30, 1914. The latest Permit No. 1647 (Application No. 1780) December 4, 1952, authorizes an increase in lake storage from 17,000 to 35,300 ac-ft without changing the annual use of 35,300 ac-ft for irrigation.	ANAHUA	B4279C		Low	Y	Y	Y	Y, modified 1992
Aquilla Lake				13896				CA	CA12-5158			52400	10/25/1976	DB07, TCEQ Database		AQUILA	515831		High	Y	N/A	Y	Y
Arlington, Lake				23120				CA	CA08-3391			45710	06/24/1914, 06/24/1919, 06/02/1954, 09/12/1955, 12/13/1982	DB07, TCEQ Data	RAI: From Report 126: Permit No 1797 (Application No. 1932) December 5, 1955 (revision of Permit No. 1716), authorized storage of 47,500 ac-ft of water and annual use of 14,000 ac-ft for industrial purposes and 9,000 ac-ft for municipal use.	ARLING	B3319A		High	Y	Y	Y	Y
Arrowhead, Lake				45000				CA	CA02-5150			228000	06/20/1962	TCEQ Database	RAI: From Report 126: Permit No 2015 (Application No. 2196) June 1, 1962, authorizes construction of a dam to impound 228,000 ac-ft of water and annual diversion of 45,000 ac-ft	AROWHD	S10030		High	Y	Y	Y	
Athens, Lake				8500				CA	CA06-3256		B	32840	01/17/1955, 08/06/2003	DB07, TCEQ Data	RAI: From Report 126: Permit No 1915 (Application No. 2079) September 26, 1958, authorizes the construction of a dam to create a reservoir with a capacity of 32,840 ac-ft and annual diversion of 8,500 ac-ft of water for municipal use.	ATHENS	3256N		Significant	Y	Y	Y	
Austin, Lake				295553				CA	CA14-5471		C	21000	06/30/1913, 06/27/1914, 12/31/1928, 03/05/1959	TCEQ Database	RAI: From Report 126: Certified Filing No. 330 June 30, 1914. Prior rights were said to extend back to 1890 when the first Austin Dam was started.	LKAUST	I10340		High	Y	Y	Y	Y

General	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights	Water Rights					
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B A Steinhagen Lake				792000				CA	CA06-4411 excluding the backups for other diversion		D		08/12/1913, 12/31/1924, 11/12/1963	DB07, TCEQ Data	RAI: From Report 126: Federal: River and Harbor Act, March 2, 1945, in the first session of the 79th Congress. Modified by the River and Harbor Act, June 30, 1948. State: Permit No. 2124 (Application No. 2298), October 13, 1964, allows Lower Neches Valley Authority to appropriate 820,000 ac-ft of water annually from Sam Rayburn Reservoir, such waters to be impounded and re-regulated in B.A. Steinhagen Lake (formerly Dam B Reservoir), and to use the streambeds and banks of the Neches River and Pine Island Bayou to transport the water to an existing pumping plant.	STEINH	4411N2		High	Y	Y	Y	Y
Ballinger / Lake Moonen, Lake				1685				CA	CA14-1072		1072B, 1073A, 1074A, 1075A, 1129A, 1130A	6850	10/04/1946, 04/06/1925, 11/03/1913, 02/07/1930, 06/11/1914, 03/06/1929, 02/25/1957	DB07, TCEQ Database		BALLIN	D40040		High	Y	N/A	Y	Y
Balmorhea, Lake				41400				P	A60 or P57	57		13583	10/05/1914	DB07, TCEQ Data	JP1:from wractive; RAI: From Report 126: Permit No. 57 (Application No. 60) March 6, 1915, allocates 41,400 ac-ft of water annually to irrigate 13,800 acres of land. This includes prior Certified Filings Permit No. 1392 (Application No. 1491) October 2, 1946, clarifies early water rights.	BALMRH	GT2390		High	Y	Y	Y	
Bardwell Lake				9600				CA	CA08-5021		D	54900	07/30/1956	DB07, TCEQ Data	RAI: From Report 126: Federal: Flood Control Act of March 31, 1960. State: Permit No. 2068 (Application No. 2250) March 18, 1963, to the Trinity River Authority authorizes the storage of 54,900 ac-ft and annual use of 9,600 ac-ft of water. The Authority has purchased the conservation storage space in the reservoir.	BARDWL	B5021A		High	Y	Y	Y	
Bastrop, Lake				10750				CA	CA14-5473	P-2054		16590	03/04/1963	TCEQ Database	RAI: From Report 126: Permit No. 2054 (Application No. 2265) June 10, 1963, authorizes a dam to impound 16,590 ac-ft of water with annual use of 10,750 ac-ft for cooling purposes in a steam-electric generating plant. The permit authorizes pumping from the Colorado River when required with water released from Lake Travis under Permit No. 1260.	BASTRO	J30030		High	Y	Y	Y	
Baylor Lake				397				CA	CA02-5221		5221A	7820	02/02/1949	DB07, TCEQ Data	RAI: From Report 126: Permit No. 1480 (Application No. 1601), March 17, 1949, authorizes impoundment of 9200 ac-ft of water with annual diversion of 2164 ac-ft for municipal supply. The lake is also used for recreational purposes.	BAYLOR	D10030		Significant	Y	Y	Y	N
Belton Lake				112257			Municipal, Industrial, Irrigation, Mining	CA	CA12-1855		2936A	457600	08/24/1953, 08/23/1954, 12/16/1963	DB07, TCEQ Data	RAI: From Report 126: Federal: Flood Control Act, July 24, 1946. Modified by the Flood Control Act, September 3, 1954. State: Permit No. 1725 (Application No. 1815A) October 27, 1954, to the U.S. Govemment to divert 12,000 ac-ft of water annually for use at Fort Hood. Permit No. 2108 (Application No. 2293) July 24, 1964, to Brazos River Authority with the right to impound 457,600 ac-ft of water and to divert annually 95,000 ac-ft for municipal use, 150,000 ac-ft for industrial use, and 150,000 ac-ft for irrigation. Diversion with priority of rights is limited to 110,000 ac-ft annually.	BELTON	516031	293831, 293601 , 293602	High	Y	Y	Y	
Benbrook Lake				6833				P	P08-5157	5157	A	72500	05/18/1959	TCEQ Database	RAI: From Report 126: Federal: River and Harbor Act, March 2, 1945, modified by Public Law 782. State: None. City of Fort Worth proposes to purchase storage rights and apply for water use permit.	BENBRK	B5157P		High	Y	Y	y of FW and BWSA V	N
Bob Sandlin, Lake				60430				CA	C4564,C4590		4590A	213350	12/20/1971, 09/16/1957	DB07, TCEQ Data	RAI: From Report 126: Permit No. 2794 (Application No. 2966), November 13, 1972, authorized impoundment of 213,350 ac-ft and diversion of 44,000 ac-ft of water annually for municipal and industrial purposes.	BOBSAN	A10200		High	Y	Y	Y	N

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Bonham, Lake				5340				CA	CA02-4925			13000	01/03/1966	DB07, TCEQ Data	RAI: From Report 126: Permit No. 2195 (Application No. 2421), February 15, 1966, allows storage of 13000 ac-ft of water and annual use of 5340 ac-ft for municipal purposes and 2500 ac-ft for industrial use. The lake may be used for recreational puposes.	BONHAM	X10270		High	Y	Y	Y	Y
Brady Creek Reservoir				3500				CA	CA14-1849		1849A	30000	09/02/1959	DB07, TCEQ Data	RAI: From Report 126: Permit No. 1953 (Application No. 2137), May 2, 1960, authorizes storage of 30,000 ac-ft of water and annual use of 3000 ac-ft for municipal use and 500 ac-ft for industrial purposes.	BRADYC	E20090		High	Y	Y	Y	Y
Brandy Branch Cooling Pond				11000				CA	CA05-4647	3618	A	29513	08/21/1978	DB07, TCEQ Database		BRANDY	E4647A		Low	Y	N/A	Y	Y
Brazoria Reservoir				85000				CA	CA12-5328		5328B	21973	02/28/1929, 02/14/1942, 04/03/1951, 03/08/1976, 01/14/1988	DB07, TCEQ Data	JPI: from wractive; Dow Chemicals water right. It is not very clear if the diversion is all from the off-channel reservoir. The newest WAM does not have this reservoir any more. RAI: From Report 126: Permit No. 1631 (Application No. 1756) July 8, 1952 allows construction of a reservoir to store 21970 ac-ft of water pumped from the Brazos River under Permit No. 1345. Water may be purchased from the Brazos River Authority when needed.	BRZRIA	532842		Low	Y	Y	Y	
Bridgeport, Lake	7500			27000				CA	CA08-3808		3808B	387000	07/06/1926, 07/12/1937	TCEQ Database		BRIDGE	B3808A		High	Y	Y	Y	N
Brownwood, Lake				23770	5942			CA	CA14-2454		2454A	114000	09/29/1925	DB07, TCEQ Data	JJR: From Report 126: Permit No. 1036 (Application no. 1085) December 3 1929, authorizes construction of a reservoir and annual diversion of 16,800 acre-ft of water for municpal and industrial purposes and 50,590 acre-ft for irrigation purposes.	BROWNW	F30130		High	Y	Y	onal irrigation water rights	1691, 1721
Bryan Utilities Lake				85				CA	CA12-5268			15227	05/30/1972	DB07		BRUTIL	526831		High	Y	N/A	Y	Y
Buchanan, Lake				1500000			Municipal, Industrial, Irrigation, Mining	CA	CA14-5478		C	992475	03/29/1926	TCEQ Database	JJR: Permit No. 954 (Apllication No 1024) May 15, 1926; Permit No. 1259 (Aplication No. 1345) May 25, 1938; and other permits cover this and other sites on the Colorado river with water rights. Special Features: A pump-back unit with a cpacity of 840 cfs returns water from Inks Lake to Lake Bughanan during off-peak power demand periods. The vertical pump is driven by a 13,500 hp motot	BUCHAN	I20000		High	Y	Y	Y	Y
Caddo Lake				3624	35899			P	P04-4349	4349	A		04/18/1983	DB07, TCEQ Database		CADDO	F10005		Low	Y	Y	Y	
Calaveras Lake			11	37011				CA	CA19-2162			63200	04/25/1967	DB07, TCEQ Database		CALVER	216231		High	Y	Y	Y	
Canyon Lake				120000			Municipal, Domestic, Industrial, Irrigation	CA	CA18-4097		E	386200	03/19/1956, 06/14/1999	DB07, TCEQ Database		CANYON	207401	CP04	High	Y	Y	Y	
Casa Blanca Lake				600				CA	CA23-2744			20000	07/20/1970	TCEQ Database		CASABL	DT1230		High	Y	Y	Y	
Cedar Bayou Generating Pond				30000				CA	CA09-3927			13750	01/06/1967	TCEQ Database			C3926A	C3926B	Low	Y	N/A	Y	Y
Cedar Creek Reservoir Colorado				2450				CA	CA14-5474			71400	02/03/1975	TCEQ Database		CEDARC	J10121		High	Y	N/A	Y	Y

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Cedar Creek Reservoir Trinity				227500				CA	CA08-4976		C	678900	05/28/1956, 09/07/2000	TCEQ Database		CEDAR	B4976A		High	Y	Y	Y	
Champion Creek Reservoir				6750				CA	CA14-1009			40170	04/08/1957	DB07, TCEQ Database		CHAMPI	B40000		Low	Y	Y	Y	N
Cherokee, Lake				62400			Municipal, Industrial	CA	CA05-4642			62400	10/05/1946	DB07, TCEQ Database		CHEROK	E4642A		High	Y	Y	Y	N
Choke Canyon Reservoir		500		139000				CA	CA21-3214		B	700000	07/19/1976	DB07, TCEQ Database		CCR	2731		High	Y	N/A	Y	Y, built
Cisco, Lake				2027				CA	CA12-4211		A	45000	04/16/1920, 09/05/1978, Inspected 2006/Dam Inspection/TCEQ	DB07, TCEQ Database		CISCO	421131		High	Y	Y	Y	N
Clyde, Lake				1000				CA	CA14-1660		B	5748	02/02/1965	DB07, TCEQ Database		LCLYDE	F31130		Significant	Y	Y	Y	N
Coleman, Lake				9000				CA	CA14-1702			40000	08/25/1958	DB07, TCEQ Database		COLEMA	F30420		High	Y	Y	Y	N
Coleto Creek Reservoir				32500				CA	CA18-5486			35084	01/07/1952, 01/10/1977	DB07, TCEQ Database		COLETO	548631		High	Y	N/A	Y	Y
Colorado City, Lake				5500			Municipal, Domestic, Industrial, Steam Power	CA	CA14-1009			29934	11/22/1948	DB07, TCEQ Database		COLOCI	B20020		Low	Y	Y	Y	N
Conroe, Lake	5500			100000				CA	CA10-4963			430260	01/12/1959	DB07, TCEQ Database		CONROE	A4963A		High	Y	Y	Y	N
Corpus Christi, Lake				300000				CA	CA21-2464			300000	12/26/1913, 01/15/1925	DB07, TCEQ Database		LCC	3131		High	Y	Y	Y	Y
Creek Lake, Lake				10000				CA	CA12-4345			8500	03/06/1951	DB07, TCEQ Database		LAKECR	434531		Low	Y	Y	Y	
Crook, Lake				12000				CA	CA02-4943			11011	05/31/1922	DB07, TCEQ Database		CROOK	Y10330		High	Y	Y	Y	
Cypress Springs, Lake				15300				CA	CA04-4560		B	72800	01/31/1966	DB07, TCEQ Database		LKCYPS	A10340		Significant	Y	Y	Y	Y, modified
Daniel, Lake				2100				CA	CA12-4214		A	11400	04/26/1946	DB07, TCEQ Database		DANIEL	421431		High	Y	Y	Y	N
Davis, Lake				2000				CA	CA12-3440			5395	06/13/1958	TCEQ Database		LDAVIS	344031		Significant	Y	N/A	Y	Y
Diversion, Lake	2000		5850	193000				CA	CA02-5123			45000	10/02/1920	DB07, TCEQ Data	Includes water rights for Lake Diversion and Lake Kemp.	DIVSON	P10110		High	Y	Y	Y	
Dunlap, Lake				0	663892	hydropower		CA	CA18-5488				04/01/1914	TCEQ Database		DUNLAP	548801		Significant	Y	Y	Y	
E V Spence Reservoir	9427			50000				CA	CA14-1008		C	488760	08/17/1964	DB07, TCEQ Database		SPENCE	B10050		High	Y	Y	Y	N
Eagle Lake				186250				CA	CA14-5475		A	9600	01/04/1901, 09/01/1907	TCEQ Database		EAGLAK	K20050	K20080		N/A	Y	Y	
Eagle Mountain Lake	1105			159600			Municipal, Industrial, Irrigation	CA	CA08-3809		C	210000	07/13/1925	TCEQ Database		EGLMTN	B3809A		High	Y	Y	Y	Y
Eagle Nest Lake				1800				CA	CA12-5492			11315	09/09/1993	TCEQ Database		EGLNST	549231			N/A	N/A	Y	Y

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Electra, Lake				600				CA	CA02-5128			8730	03/29/1949, 02/25/1974	DB07	RAI: Water right includes an additional 800 ac-ft/yr diversion to store in Lake Electra for emergency munipical use.	ELCTRA	O10020		Significant	Y	N/A	Y	Y
Ellison Creek Reservoir				23000				CA	CA04-4582			24700	11/30/1942, 05/08/1972	DB07, TCEQ Database		ELLISN	B10170		High	Y	Y	Y	Y
Fairfield Lake				14150				CA	CA08-5040			50600	12/18/1967	DB07, TCEQ Database		FAIRFD	B5040A		Low	Y	Y	Y	
Falcon, International Reservoir					1200000	hydropower		P	P23-5066	5066	A		06/03/1986	TCEQ Database	yyang: the 1.5 million and 1.2 million are hydropower uses. Kathy suggested to use 2,147,279, which is from RG WAM Run3, as total consumptive use from the two international reservoirs.	COMFAL, MEXFAL, TEXFAL	DT1001		High	Y	Y	Y	
Lake Nocona			80	1260				CA	CA02-4879		A	25389	10/09/1958	DB07, TCEQ Database		NOCONA	V10070		High	Y	Y	Y	
Forest Grove Reservoir				9500	877500			CA	CA08-4983			20038	11/18/1975	DB07, TCEQ Database		FOREST	B4983A		High	Y	N/A	Y	Y
Fork Reservoir, Lake				188660	N/A	N/A		CA	CA05-4669	2948	B	675819	06/26/1974, 04/16/1992	DB07, TCEQ Database		FORK	E4669A, E4469B		High	Y	N/A	Y	N
Fort Phantom Hill, Lake				33190				CA	CA12-4161		4139A, 4161B, 4165A	73960	08/03/1949, 10/12/1928, 03/25/1937, 09/03/1954	DB07, TCEQ Data	RAI: 3000 ac-ft diverted from Deadman Creek for WR 4165 not included	FPHNHR	416131		High	Y	Y	Y	
Georgetown, Lake				13610				CA	CA12-5162			37100	02/12/1968	TCEQ Database		GRGTWN	516231		High	Y	Y	Y	Y
Gibbons Creek Reservoir				9740				CA	CA12-5311		5307A, 5311A	32084	02/22/1977	DB07, TCEQ Data	River not included	GIBCRK	531131		Significant	Y	N/A	Y	Y
Gilmer, Lake				6180				P	P04-5272	5272	A	12720	12/14/1989	DB07, TCEQ Database		LKGILM	D10110		High	Y	N/A	Y	Y
Gonzales (H-4), Lake				0	585599	hydropower		CA	CA18-5172			impound at 332.5 ft.	09/16/1926	TCEQ Database			517231		Low	Y	Y	Y	
Graham, Lake	500			20000				CA	CA12-3458			52386	11/21/1927, 11/15/1954	DB07, TCEQ Database		EDLGRM	d34583		High	Y	Y	Y	N
Granbury, Lake	500	0	0	100000	350000		municipal, industrial, irrigation, mining	CA	CA12-5156		E	155000	02/13/1964	TCEQ Database,	RAI: Did not include Water Rights 4114, 4062, and 4072, which are all for irrigation	GRNBRY	515631		High	Y	Y	Y	Y
Granger Lake				19840			Municipal, Industrial, Irrigation, Mining	CA	CA12-5163			65500	02/12/1968	TCEQ Database		GRNGER	516331		High	Y	Y	Y	Y
Grapevine Lake				161250			Municipal, Domestic, Industrial	CA	C2362, C2363, C2458		2362A, 2363A, 2458C	161250	09/28/1951, 04/22/1974, 02/11/1946, 07/06/1948	DB07, TCEQ Database		GPVGPV, GPVDPC, GPVDAL	B2362A		High	Y	Y	Y	Y
Greenbelt Lake	750			16030				CA	CA02-5233			59100	08/11/1958	DB07, TCEQ Data	RAI: Includes diversions from Lelia Lake Creek (4030 AFY)	GREENB	B10060		High	Y	Y	Y	
Galveston County Reservoir				99932			Municipal, Industrial, Irrigation	CA	CA11-5168		A	7308	01/15/1926, 03/17/1947	TCEQ Database		RC5168	516841		High	Y	N/A	Y	Y
Halbert, Lake				4003				CA	CA08-5030			7357	06/09/1924	DB07, TCEQ Database		HALBRT	B5030A		Significant	Y	Y	Y	
Hords Creek Lake		20		2240				CA	CA14-1705		A	7959	03/23/1946	DB07, TCEQ Database		HORDSC	F30370		High	Y	Y	Y	Y
Houston County Lake				3500				CA	CA08-5097			19500	03/03/1965	DB07, TCEQ Database		HOUCTY	B5087A		Low	Y	Y	Y	N

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Houston, Lake				168000			Municipal, Industrial, Irrigation	CA	C10-4965		A	160000	05/07/1940	DB07, TCEQ Database		HOUSTN	A4964A		High	Y	Y	Y	Y
Hubbard Creek Reservoir	6000	2000		56000				CA	CA12-4213		C	317750	05/28/1957, 08/14/1972	DB07, TCEQ Database		HUBBRD	421331		High	Y	Y	Y	Y
Hubert H Moss Lake				4500				CA	CA02-4881		B	23210	08/20/1962	DB07, TCEQ Database		MOSSLK	V10020		Significant	Y	Y	Y	
Imperial Reservoir												9910				IMPERL	GT2010		Low	Y	N/A	Did not find water right	Y
Inks Lake				0				CA	CA14-5479			17545	03/29/1926	TCEQ Database		ROYINK	I21280		High	Y	Y	Y	Y
J B Thomas, Lake				30000			Municipal, Industrial, Mining	CA	CA14-1002		A	204000	08/05/1946	TCEQ Database		THOMAS	A30060		High	Y	Y	Y	N
Jacksonville, Lake				6200				CA	CA06-3274		A	30500	03/24/1923, 12/21/1940, 06/13/1955	DB07, TCEQ Database		JACKSN	3274N2		High	Y	Y	Y	Y
Jim Chapman Lake				146520				CA	C4797, C4798, C4799		4797B, 4799C	310000	11/19/1965	DB07, TCEQ Database		CHAPMN	A40		High	Y	Y	Y	Y
Joe Pool Lake				17000				CA	CA08-3404		D	176900	01/20/1976, 11/09/2004	DB07, TCEQ Data	RAI: Amendment D includes reuse with priority date 11/09/2004	JOPOOL	B3404A		High	Y	N/A	Y	Y
Johnson Creek Reservoir				6668				CA	CA04-4588	1963	B	10100	05/04/1960	DB07, TCEQ Database		JOHNSN	B10070		High	Y	Y	Y	N
Kemp, Lake				0				CA	CA02-5123			318000	10/02/1920	DB07, TCEQ Data	RAI: Water rights for Lake Diversion and Lake Kemp are combined under Lake Diversion.	KEMP	N10020		High	Y	Y	Y	
Kickapoo, Lake				40000				CA	CA02-5144			105000	06/21/1944	TCEQ Database		KICKAP	R10010		High	Y	Y	Y	
Kirby, Lake				5000				CA	CA12-4150		A	8500	10/10/1927, 03/12/1979	DB07, TCEQ Database		KIRBY	415031		High	Y	Y	Y	
Kurth, Lake				19100				CA	CA06-4393			16200	09/05/1957	DB07, TCEQ Database		KURTH	439431		High	Y	Y	Y	
Lavon Lake				177300				CA	CA08-2410		E	380000	09/08/1953, 08/02/1965, 09/10/1985, 07/22/1983, 03/24/1994	DB07, TCEQ Database		LAVON	B2410A		High	Y	Y	Y	
Leon, Lake				6300				CA	CA12-3470		B	28000	03/21/1952, 03/25/1986, 05/17/1931	DB07, TCEQ Database		LKLEON	347031		High	Y	Y	Y	Y
Lewis Creek Reservoir				5000	water is not for resale, only used for power plant cooling purposes			CA	C10-4966			17000	08/08/1967	TCEQ Database		LEWIS	A4966A		High	Y	Y	Y	N
Lewisville Lake		1000	100	608400	451030	cooling	municipal, domestic	CA	CA08-1415		2456F	618400	01/25/1924, 10/05/1948, 11/24/1948, 11/24/1975	DB07, TCEQ Database		LEWDEN, LEWDAL	B2456A		High	Y	Y	Y	Y
Limestone, Lake				65074			Municipal, Industrial, Irrigation, Mining	CA	CA12-5165			225400	05/06/1974, 09/04/1979	TCEQ Database		LMSTNE	516531		High	Y	N/A	Y	N
Livingston, Lake				1254400 (from Lake Livingston)				CA	CA08-4248		4248C	1750000	09/23/1959	DB07, TCEQ Database		LIVSTN	B4248A	B4248B	High	Y	Y	Y	Y, Modified
Loma Alta Lake				0								26500				Z2R1AB, Z2PRS2, Z2PRS3	Y10010	Y10090		N/A	Y	Did not find in TCEQ database	
Lost Creek Reservoir				910				CA	CA08-3313		3313A, 3808B	11961	03/18/1949, 11/15/1962, 04/25/1977	DB07, TCEQ Database		LOSTCK	B3313B		Significant	Y	N/A	Y	Y, Built 1989

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Lyndon B Johnson, Lake				15700				CA	CA14-5480			138500	03/29/1926	TCEQ Database	yyang: per Nadira's comment, the 15,700 is part of Travis-Buchannan permit	LAKLBJ	I20820		High	Y	Y	Y	Y
Mackenzie Reservoir				5200				CA	CA02-5211			46450	06/26/1967	DB07, TCEQ Database		MAKNZE	D10130		Low	Y	Y	Y	Y
Manor Lake									CA12-4843														
Marble Falls, Lake				567	1811820	hydroelectric		CA	CA14-2632		B	8760	04/04/1895, 03/27/1905, 03/29/1926	TCEQ Database	yyang: per Nadira's comment, the 15,700 is part of Travis-Buchannan permit	MARBLE	I20590		Significant	Y	Y	Y	Y
Martin Lake				25000				CA	CA05-4649		A	56500	07/19/1971	DB07, TCEQ Database		MARTIN	E4649A		High	Y	Y	Y	Y
Medina Lake				66750	66000	hydroelectric		CA	CA19-2130		E	237874	11/16/1910	DB07, TCEQ Database		MEDINA	CP21		High	Y	Y	Y	
Meredith, Lake				151200				CA	CA01-3782			1407572	01/30/1956	DB07, TCEQ Database		MERDTH	B10130		High	Y	Y	Y	N
Millers Creek Reservoir	500			5000				CA	CA12-3444			30696	10/01/1958	DB07, TCEQ Database		MLRCRK	344431		Significant	Y	Y	Y	N
Mineral Wells, Lake				2520				CA	CA12-4039			7065	11/15/1920, 03/22/1943	DB07, TCEQ Database		MNRLWL	403931		High	Y	Y	Y	Y
Mitchell County Reservoir				0				CA	CA14-1008		C	27266	08/17/1964	TCEQ Database	RAI: water rights included with Lake EV Spence	1008EV	B30010		Significant	Y	N/A	Y	Y
Monticello Reservoir				16300				CA	CA04-4563		A	40100	04/06/1970, 06/04/1973	DB07, TCEQ Database		LKMONT	A10240		High	Y	Y	Y	
Mountain Creek Lake				6400				CA	CA08-3408			22840	03/12/1929	DB07, TCEQ Database		MTNCRK	B3408A		High	Y	Y	Y	N
Murvaul, Lake				22400				CA	CA05-4654			44650	07/19/1956	DB07, TCEQ Database		MURVAU	E4654A		High	Y	Y	Y	N
Nacogdoches, Lake				22000				CA	CA06-4864		A	42318	01/05/1970	DB07, TCEQ Database		NACH	4864A		High	Y	N/A	Y	Y
Nasworthy, Lake				25000				CA	CA14-1319		B	12500	03/11/1929	DB07, TCEQ Database		NASWOR	C20240		High	Y	Y	Y	
Navarro Mills Lake		100		19400				CA	CA08-4992			63300	10/04/1957, 11/22/1982	DB07, TCEQ Database		NAVARO	B4992A		High	Y	Y	Y	
New Terrell City Lake				6000				CA	CA08-4972			8712	02/23/1954	DB07, TCEQ Database		TERREL	B4972A		High	Y	Y	Y	
North Fork Buffalo Creek Reservoir				840				CA	CA02-5131			15400	09/19/1962	DB07, TCEQ Database		NFBUFF	P10060		High	Y	Y	Y	
North Lake				1000				CA	CA08-2365			17100	09/24/1956	DB07, TCEQ Database		NORTH	B2365A		High	Y	Y	Y	
O C Fisher Lake				80400				CA	CA14-1190		A	80400	05/27/1949	DB07, TCEQ Database		OCFISH	C20040		High	Y	Y	Y	

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O H Ivie Reservoir				113000				P	P14-3866	3676	E	554340	02/21/1978	DB07, TCEQ Database		OHIVIE	D20050		High	Y	N/A	Y	Y
O' the Pines, Lake				191870				CA	CA04-4590		A	251000	09/16/1957	DB07, TCEQ Database		LKOPNS	B10020		High	Y	Y	Y	
Oak Creek Reservoir				10000				CA	CA14-1031		A	30000	04/27/1949	DB07, TCEQ Database		OAKCRK	D40620		High	Y	Y	Y	
Olney / Lake Cooper, Lake				1260				CA	CA02-5146			6650	03/26/1953, 08/11/1980	DB07, TCEQ Data	JPI: from wractiveJPI: from wractiveJPI: from wractiveJPI: from wractive	COOPER	R10070		Low	Y	N/A	Y	Y
Palestine, Lake		600		238110			contracts with Dallas, Tyler, Palestine; smaller contracts with Monarch Utilities, Emerald Bay Golf, Super Tree Farm	CA	CA06-3254		C	411840	04/30/1956, 03/09/1967, 12/16/1968, 09/15/1969, 09/14/1970, 03/21/1983, 04/25/1983, 10/01/1984	DB07, TCEQ Database		PALEST	3254N1		High	Y	Y	Y	Y
Palo Duro Reservoir				10460				CA	CA01-3803			60900	04/23/1974	DB07, TCEQ Database		PALDUR	F10020		High	Y	N/A	Y	Y
Palo Pinto, Lake				18500				CA	CA12-4031			44100	07/03/1962, 09/08/1964	DB07, TCEQ Database		PLPNTO	403131		High	Y	Y	Y	Y
Pat Cleburne, Lake				6000				CA	CA12-4106		C	25600	08/06/1962, 03/29/1976, 08/30/2004	DB07, TCEQ Database		CLEBRN	410631		High	Y	Y	Y	N
Pat Mayse Lake				61610				CA	CA02-4940		A	124500	11/05/1964	DB07, TCEQ Database		MAYSE	X10010		High	Y	Y	Y	
Peacock Site 1A Tailings Reservoir				0					CA04-4582			24,000 acre-feet of impoundments for a group of reservoirs, however, only Peacock Site 1 A Tailing Pond was constructed with 7,100 acre-feet.					B10170		High	Y	N/A	Did not find	Y
Pinkston Reservoir				3800				CA	CA06-4404			7380	02/07/1972	DB07, TCEQ Database		PINKST	4404A		Significant	Y	N/A	Y	Y
Possum Kingdom Lake				230750			Municipal, Industrial, Irrigation, Mining	CA	CA12-5155			724739	04/06/1938, 11/07/1986	TCEQ Database		POSDOM	515531		High	Y	Y	Y	Y
Proctor Lake				19658			Municipal, Industrial, Irrigation, Mining	CA	CA12-5159			59400	12/16/1963	TCEQ Database		PRCTOR	515931		High	Y	Y	Y	
Ray Hubbard, Lake				89700			Municipal, Industrial, Irrigation, Mining, Domestic	CA	CA08-2462		H	490000	02/02/1955	DB07, TCEQ Database		HUBBRD	B2462A		High	Y	Y	Y	Y
Ray Roberts, Lake				799600	115100	hydroelectric		CA	C2335, C2455		2335A, 2455A	799600	11/24/1975	DB07, TCEQ Database		ROBDEN, ROBDAL	B2335A		High	Y	N/A	Y	Y
Red Bluff Reservoir				292500				CA	CA23-5438			300000	01/01/1980, 04/11/1908, 06/20/1908, 06/18/1906, 04/30/1988, 06/01/1990	DB07, TCEQ Database		RDBLUF	GT3010		High	Y	Y	Y	
Red Draw Reservoir				0				CA	CA14-1008		C	8538	08/17/1964	TCEQ Database	RAI: Water rights are included with Lake EV Spence	1008EV	B30010		High	Y	N/A	Y	Y
Richland-Chambers Reservoir				210000				CA	C5030, C5035		5035C	1135000	02/27/1950, 10/18/1954, 09/07/2000	DB07, TCEQ Data	RAI: 63,000 AFY return flows not included.	RICHCH	B5035A		High	Y	N/A	Y	Y
River Crest Lake				10000				CA	CA03-4804			7100	03/05/1952	TCEQ Database		RVRCST	C20		Low	Y	Y	Y	N
Sam Rayburn Reservoir				28000				CA	CA06-4411 excluding the backups for other diversion		D		08/12/1913, 12/31/1924, 11/12/1963	DB07, TCEQ Data	RAI: Shares water rights with B.A. Steinhagen Reservoir	RAYBRN	4411A1		High	Y	Y	Y	Y
Santa Rosa Lake				3075.1				CA	CA02-5124			9556	06/30/1926	DB07, TCEQ Database		SROSA	O10090		High	Y	Y	Y	Y, Modified
Smithers Lake				28711	5589			CA	CA12-5325		A	18750	12/16/1955, 10/10/1978, 01/03/1984	TCEQ Database		SMTHRS	532531		Significant	Y	Y	Y	

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Somerville Lake				48000			Municipal, Industrial, Irrigation, Mining	CA	CA12-5164			160110	12/16/1963	TCEQ Database		SMRVLE	516431		High	Y	Y	Y	
South Texas Project Reservoir				102000				CA	CA14-5437			202600	06/10/1974, 03/25/1986	TCEQ Database		STHTEX	M10020		Significant	Y	N/A	Y	Y
Squaw Creek Reservoir				23180				CA	CA12-4097			151500	04/25/1973	DB07, TCEQ Database		SQWCRK	409732		High	Y	N/A	Y	Y
Stamford, Lake				10000				CA	CA12-4179		B	59810	06/08/1949	DB07, TCEQ Database		STMFRD	417931		Low	Y	Y	Y	Y
Stillhouse Hollow Lake				67768				CA	CA12-5161			235700	12/16/1963	TCEQ Database		STLHSE	516131		High	Y	Y	Y	
Striker, Lake				20600				CA	CA06-4847			26960	12/05/1955	DB07, TCEQ Database		STRIKR	4847A		Low	Y	Y	Y	N
Sulphur Draw Storage Reservoir				2500			Industrial, Mining	P	P14-5457	5457		7997	04/01/1993	TCEQ Database		B30014, OC0001	B30340		Significant	Y	N/A	Y	Y
Sulphur Springs, Lake				9800				CA	CA03-4811		B	17838	07/24/1951	DB07, TCEQ Database		S_SPRG	D120		High	Y	Y	Y	Y
Sweetwater, Lake				3740				CA	CA12-4130			10000	10/17/1927	DB07, TCEQ Database		LSWEET	413031		High	Y	Y	Y	
Tawakoni, Lake				238100			Municipal, Industrial	CA	CA05-4670	1792		927440	09/12/1955, 08/13/1985, 05/21/1986	DB07, TCEQ Data	latest amendment on May 2, 1988	TAWAKO	E4670A		High	Y	Y	Y	Y
Texana, Lake				79000				CA	CA16-2095		D	170300	05/15/1972, 05/24/1982	DB07, TCEQ Database		TEXANA	DV221A		High	Y	N/A	Y	Y
Texoma, Lake	100			145650				CA & P	P2006, P5003, C4898, C4899, C4900, C4901	5003, 4301	P5003A, P2006A	2722000	11/27/1956, 09/10/1985, 07/08/1974, 07/05/1967, 07/20/1959, 06/10/1960, 03/19/1952	DB07, TCEQ Data	RAI: 113,000 AFY per P5003 with priority date 09/28/2005 not included	TEXOMA, TEX2, TEX3, TEX4, TEX5, TEX 6, OKTEX, CORTEX	W10060		High	Y	Y	Y	
Toledo Bend Reservoir				750000	65700	hydroelectric		CA	CA05-4658		A	4477000	03/05/1958, 01/22/1986	DB07, TCEQ Database		TOLEDO	E4658A, USRBU		High	Y	Y	Y	
Lady Bird Lake				0				CA	CA14-5471		C	3520	06/30/1913, 06/27/1914, 12/31/1928, 03/05/1959	TCEQ Database	JPI: see Lake Austin	TOWNLK	I10030		Significant	Y	N/A	Y	
Tradinghouse Creek Reservoir				12000	15000	industrial		CA	CA12-4342			37800	08/21/1926, 09/16/1966	DB07, TCEQ Database		TRCRLK	434231		High	Y	Y	Y	
Travis, Lake				1500000			Municipal, Industrial, Irrigation, Mining	CA & P	C5482, P5730, P5677	5730, 5677	5482C	1170752	03/29/1926, 03/07/1938, 02/02/2000	DB07, TCEQ Data	RAI: Did not find the permits to verify information	TRAVIS	I10340		High	Y	Y	Y	
Trinidad Lake				4000				CA	CA08-4984			6200	12/12/1924	DB07, TCEQ Database		TRINDD	B4970A		Low	Y	Y	Y	
Twin Buttes Reservoir				29000				CA	CA14-1318		A	170000	05/06/1959	DB07, TCEQ Database		TWINBU	C20260		High	Y	Y	Y	
Twin Oak Reservoir				13200	1364800	industrial		CA	CA12-5298			30319	07/01/1974	DB07, TCEQ Database		TWNOAK	529831		Significant	Y	N/A	Y	Y
Tyler, Lake				40325			Municipal, Industrial, Domestic	CA	CA06-4853			87100	12/19/1947, 05/25/1953, 08/08/1956	DB07, TCEQ Database		TYLER	4853A		High	Y	Y	Y	
Upper Nueces Lake				8000				CA	CA21-3082			4010	05/23/1913, 10/05/1925, 07/10/1945	TCEQ Database	JPI: from wractiveJPI: from wractiveJPI: from wractive	UPNUEC	308210		Significant	Y	Y	Y	
Valley Lake				10000				CA	CA02-4900			15000	07/20/1959, 06/10/1960	DB07, TCEQ Database		VALLEY	X10490		High	Y	Y	Y	

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Victor Braunig Lake				12000				CA	CA19-2161		A	26500	04/13/1961	DB07, TCEQ Database		BRAUNG	216131		High	Y	Y	Y	Y
Waco, Lake				79870			Municipal, Industrial	CA & P	CA12-2315	5094	2315C	192062	01/10/1929, 04/16/1958, 02/21/1979, 09/12/1986, 01/21/1988	DB07, TCEQ Database		LKWACO, WACO2, WACO4, WACO5	509431		High	Y	Y	Y	Y
Walter E Long, Lake				36456				CA	CA14-5489		A	33940	08/20/1945	TCEQ Database		DECKER	J30330		High	Y	Y	Y	N
Waxahachie, Lake				3570				CA	CA08-5018		5018A	13500	12/20/1954	DB07, TCEQ Dat	RAI: C5021A includes diversion of Lake Bardwell Water Right from Lake Waxahachie. That amount has not been included.	WAXAHC	B5018A		High	Y	Y	Y	
Weatherford Lake				5220	59400	industrial		CA	CA08-3356		A	19470	08/16/1954, 12/01/1969	DB07, TCEQ Database		WTHRFD	B3356A		High	Y	Y	Y	
Welsh Reservoir				17000				CA	CA04-4576	2926	A	23587	09/10/1973	DB07, TCEQ Database		WELSH	B10270		High	Y	Y	Y	
White River Lake	2000			6000				CA	CA12-3693			44897	09/22/1958	DB07, TCEQ Database		WHTRVR	369331		High	Y	Y	Y	N
White Rock Lake			6.35	8703.15				CA	CA08-2461		B	21345	04/22/1914, 08/16/1982	DB07, TCEQ Database		WHITER	B2461A		High	Y	Y	Y	
Whitney, Lake				18336			Municipal, Industrial	CA	CA12-5157			50000	08/30/1982	TCEQ Database		WHITNY, BRA, CORWHT	515731		High	Y	Y	Y	
Wichita, Lake				7961				CA	CA02-5122			13050	06/22/1914, 06/29/1914, 01/10/1984	TCEQ Database		WICHTA	Q10080		High	Y	Y	Y	Y
Winters / New Lake Winters, Lake				1360				CA	CA14-1095		B	8374	12/18/1944, 06/05/1957	DB07, TCEQ Dat	RAI: water right also allows reuse of 395 AFY for irrigation (not returned to stream)	ELMCRK	D30450		High	Y	N/A	Y	Y
Worth, Lake				13288				CA	CA08-3340			38124	06/27/1914	TCEQ Database		WORTH	B3340A		High	Y	Y	Y	Y
Wright Patman Lake				180000				CA	CA03-4836			386900	03/05/1951, 02/17/1957	DB07, TCEQ Database		PATMAN	F60		High	Y	Y	Y	
Tyler, Lake				40325			Municipal, Industrial, Domestic	CA	CA06-4853			87100	12/19/1947, 05/25/1953, 08/08/1956	DB07, TCEQ Database		TYLER	4853A		High				
Graham, Lake	500			20000				CA	CA12-3458			52386	11/21/1927, 11/15/1954	DB07, TCEQ Database		EDLGRM	d34583		High				

All references to left and right are facing

declining to respond
responded to survey, did not specify wh
does not give permission to share info v
permission to share with TWDB
did not respond to survey