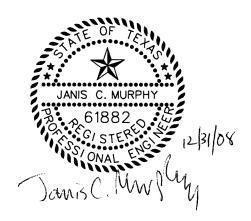
### UPDATE TO REPORT 126

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



#### TABLE OF CONTENTS

#### **UPDATE TO REPORT 126**

		<u>]</u>	Page
1.0	INTROD	OUCTION	1
2.0	DATA S	OURCES	1
3.0	OWNER	SURVEY	2
4.0	OTHER	DATA	2
APF	PENDICE	ES	
App App	endix B endix C	Summary of Major Data Sources Sample Letter Requesting Data Responses Received Database	

#### **UPDATE TO REPORT 126**

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

Data	Major Sources
Service Spillway Type	NID 2006
Service Spillway Location	Report 126
Service Spillway Elevation (feet msl)	Volumetric Surveys
Service Spillway Width (feet)	Owners
Max Service Spillway Discharge Capacity (cfs)	Engineering Reports
Type of Gates	NID 2006
Number of Gates	Report 126
	1
Max Gate Release Capacity (cfs)	Volumetric Surveys Owners
TY 1	Engineering Reports
Hydropower	NID 2006
No. of Hydropower Units	Report 126
Generation Capacity (MW)	Owners
Type of Oulet Works	NID 2006
Elevation of Outlet Works (feet msl)	Report 126
Discharge Capacity of Outlet Works (cfs)	Volumetric Surveys
Elevation of Water Supply Outlet (feet msl)	Owners
Discharge Capacity of Water Supply Outlet (cfs)	Engineering Reports
Location of Reservoir Water Supply Outlets	
Yield Type	DB07
Year 2010 Yield	Regional Water Plans
Year 2060 Yield	Owners
On/Off Channel	Report 126
Stream if Off Channel	Verified with Google Maps/Google
River Basin	Earth
Stream	Volumetric Surveys
County	Owners
Nearest Town	
Water Planning Region	
Latitude/Longitude	
Upstream/Downstream USGS Gauges	1999 USGS Index of Stations
Reservoir USGS Gauges	USGS website
Authorized Consumptive Diversions (Multiple Purpose,	DB07
Municipal, Industrial, Irrigation, Mining, Domestic and	TCEQ Water Rights Database
Livestock) (acre-feet/year)	Volumetric Surveys
Total Authorized Consumptive Diversion (acre-feet/year)	volumetric surveys
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	
	***************************************
WAM Reservoir ID	WAMs
WAM Control Point ID for Dam	
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 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, P.E.

Attachments Mountain Creek Dam Datasheet

Norse	Mountain Croak Lake	Comments
Name	Mountain Creek Lake	
Impoundment Name	ļ <u> </u>	
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	
Address	2233A MIL 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 <sup>2</sup> )	295	
Contributing Drainage	295	
Area (mile <sup>2</sup> )	`	
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	10	
	4000	
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	

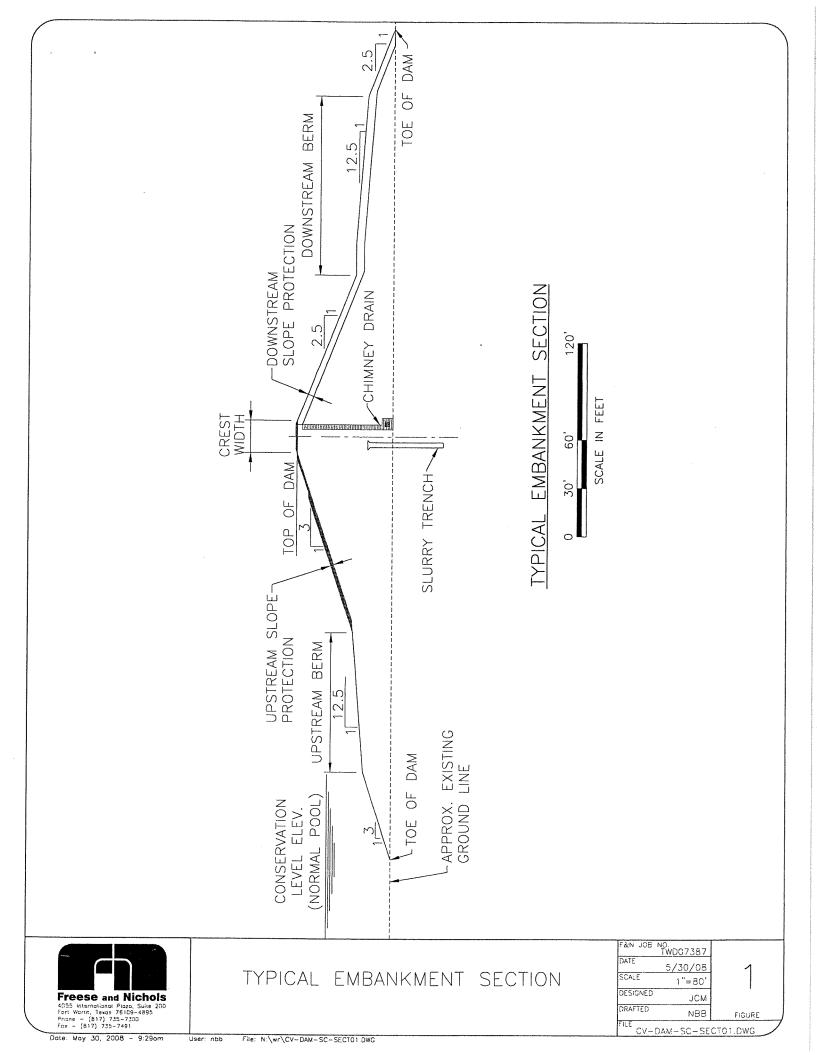
		Commonts
Emergency Spillway Length	1	Comments
(feet)	201	
Maximum Emergency	204	
Spillway Discharge Capacity	105074	
(cfs)	135274	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation	10.1	
(feet above MSL)	431	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	tainter(radial)	
Number of Gates	6	
Maximum Gate Release	0	
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units	IN .	
Generation Capacity (mW)		
Type of Outlet Works	none	
Elevation of Outlet Works	none	
(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	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY:		
	FY	
Year 2010 Yield (acre-feet)	6400	
Year 2060 Yield (acre-feet)	6400	
	Trinity	
V2	Mountain Creek	
	Dallas	
	Grand Prairie	
Distance from		
!	4 miles SE	

•

		C
Di di Cala	10.5	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	·
Time of the Multiple Discusses		
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	

<sup>\*</sup> 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

Has your structure had any s	ignificant modifications since	1970?
Yes	□No	Unknown
If so, what modifications we	re made and when?	
May we contact the design en	ngineer for additional informat	tion or for copies of the plans?
Yes	□No	Unknown
Design Engineer		_
Do you have any representation can have?	ive photographs which the Tex	as Water Development Board
Yes	☐ No	
Can you furnish them in a dig	gital format?	
Yes	☐ No	
	hare photographs or design inf with the Texas Water Develop	
Yes	No	
Thank you for your time!		



#### **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 Nichols, Inc.

Engineers

**Environmental Scientists** 

Architects

4055 International Plaza, Suite 200 June 3, 2008

Fort Worth, Texas 76109

817 735-7300

817 735-7491 fax

www.freese.com

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, P.E.

Jams C. Murgl

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	
Telephone	830-775-2437	MR BENITO GARCIA
Fax	830-775-5956	
Email		
Address	kenbreiten@ibwc.state.gov	bgarcia@ibwc.gov
Audress	HCR #3, Box 37, HWY. 90 West Del	
Elevation		
of TOC (feet)	1117	
Dead Pool Elevation (feet)	1111	
Dodd : Got Elevation (1998)		
Original Conservation		
Pool Total Volume (acre-feet)	3505400	
Original Surface		
Area at TOC (acre)	64900	
Original Dead Pool Volume	31000	
(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		1 100 and 100 to
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 <sup>2</sup> )	126423	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, hydroelec, irrigation, red	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	1152.3	
Dam Length	1132.3	
(feet)	32000	
Dam Height	32000	
(feet)	254	
Top Width	204	
(feet)	35	
Comments Dam General	dam is earthfill and concrete; 9585 ft	
Year(s) of Modifications	1996	
Description of Modifications	1990	
	controlled	
Emorgonoy opinway Type	Controlled	
mergency Spillway Location		
mergency Spillway Elevation		
(feet above MSL)	1086.4	

		Comments
Emergency Spillway Length		Comments
(feet)	800	
Maximum Emergency	800	
Spillway Discharge Capacity		
11		
(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)	The state of the s
Number of Gates	16	
Maximum Gate Release		
Capacity (cfs)	1300000	
Hydropower (Y/N)	Υ	
No. of Hydropower Units		
Generation Capacity (mW)	160	1
Type of Outlet Works	other	The state of the s
Elevation of Outlet Works		
(feet above MSL)	U.S.: 930 Mexico: 965	
Discharge Capacity of Outlet	1,0,0,0,0,0,0,0	
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	
Stream if Off-Channel		William of the state of the sta
Yield Type (FY:Firm Yield,SY:		
	FY	
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)	1067310	
	979476	
	Rio Grande	
	Rio Grande River	
	Val Verde (Estado de Coahuila, Mexi	
	Del Rio	
Distance from	į	
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		
	P3603, 3880	
Permit Number(s)	3603	·
Latest Amendment	Α	
Authorized Impoundment		
	05/08/1978	
Hazard Classification	High	

<sup>\*</sup> 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

Ami stad

	Has your structure had any s	significant modifications since	: 1970?
	Yes	[X]No	Unknown
	If so, what modifications we	ere made and when?	·
	May we contact the design e	engineer for additional informa	ation or for copies of the plans?
	☑ Yes	☐ No	Unknown
0	Design Engineer UST	BLOC, ETPeso,	Unknown  Tx. 915-832-4158  (Town Scale)  exas Water Development Board
	Do you have any representate can have?	tive photographs which the Te	exas Water Development Board
	Yes Yes	No	
	Can you furnish them in a di	igital format? Contact	Jan (Spagipson 830-112-513.
	Yes	□No	
	-	share photographs or design is with the Texas Water Develo	nformation on your dam in the opment Board?
	X Yes Protos	No Design	
	Thank you for your time!		

## AD DAM AND RESERVOIR AND MEXICO

## RESERVOIR

	Capacity	ı t y
	acre-feet	$(m^3 \times 1000)$
Superstorage	407,000	( 502,000)
Plood Control	1,744,000	(2,151,200)
silt & Conservation	3,384,000	(4,174,000)
	5,535,000	(6.827.200)

	ij.	m.	acres	acres (hectares)	
Top of Super-	1145.1	1145.1 (349.025) 89,000 (36,000)	89,000	0 (36,000)	
storage pool Top of normal flood control	1140.4	1140.4 (347.59) 84,000 (34,000)	84,000	(34,000)	
pool Top of Conservation pool	1117.0	1117.0 (340.46) 65,000 (26,300)	65,000	(26,300)	
Lowest water outlet	930.0	930.0 (283.46)	700	700 ( 280)	

## SPILLWAY

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

& Parras

## PENSTOCKS

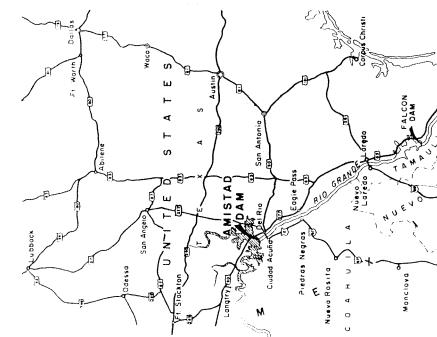
U.S. - 5 Penstocks - 14.5 ft. (4.42 m) dia. with sill elev. 930.0 ft (283.36 m)

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

### LEGEND

- feet	- cubic feet per second	-revolutions per minute	-mean sea level	spunod-	-Kilowatts	-Horsepower	-meters	-cubic meters	-cubic meters per second
ff.	cfs	r.p.m.	m.s.l.	lþs.	KW	Нp	E,	m <sup>3</sup>	m <sup>3</sup> /s

cubic meters per second



Area

Elevation (m.s.l.)

## 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 (645 KM)

# AMISTAD DAM

AND

# POWER PLANTS



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

- 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 =  $2,300 \text{ cfs}(65 \text{ m}^{-3/5})$ 

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.

	H)	<del>п</del>	(H
	U.S9,585 ft. (2,921 m)	Mexico22,437 ft. (6,839 m)	Total32,022 ft. (9,760 m)
	ft. (	ft. (	ft.
	,585	,437	.022
	6	S	.32
	:	:	:
	:	:	:
	:	:	:
	:	:	:
	:	:	:
1	:		:
Length	J.S	<b>Jexicc</b>	otal

Height -

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

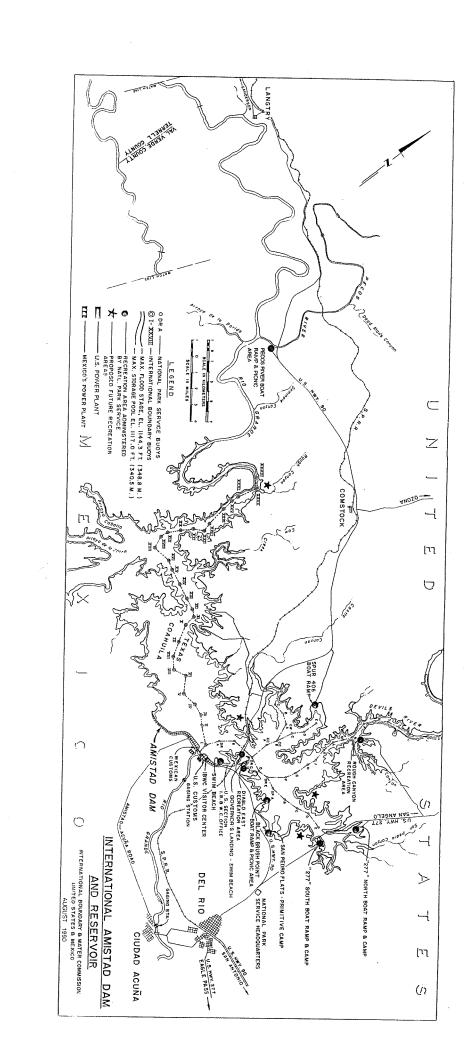
Construction Features of Amistad Dam:

				( 5,400 mt)	(5,900 mt)
3,100,000 cu. yds	13,500,000 cu. yds	1,755,000 cu. yds.	1,800,000 cu. yds	6,000 tons	6,500 tons
Rock excav.	Embankment	Riprap	Concrete	Reinforcing steel	Structural steel

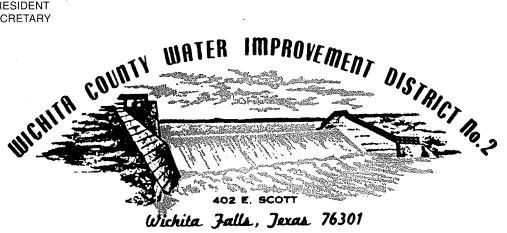
Cost - \$72,318,000 - U.S. Share of Dam - \$30,894,000 - U.S. Powerplant

## 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 Canvon Bridges.



DIRECTORS
BEN KIRKLAND, PRESIDENT
JESSE FLICK, VICE-PRESIDENT
BOBBY ROWLAND, SECRETARY
JIMMY BANKS
KEITH MEADOWS



(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 Komp

Has your structure had	l any significant modifica	itions since 1970?
X Yes	☐ No	Unknown
If so, what modification	ons were made and when	?
Reconstruction of	Lake Kemp Dam and S	pillway - 1974
Repainted outlet (	gates at Lake Kemp -	2005
May we contact the de	esign engineer for additio	onal information or for copies of the plans?
X Yes	☐ No	Unknown
Design Engineer <u>U</u> .	S. Army Corps of En	gineers
Do you have any reprecan have?	esentative photographs w	which the Texas Water Development Board
Yes	x No	
Can you furnish them	in a digital format?	
Yes Yes	☐ No	
May we have permiss Freese and Nichols' a	ion to share photographs rchives with the Texas W	or design information on your dam in the Vater Development Board?
X Yes	☐ No	
Thank you for your ti	me!	

Lake Diversion

Has your structure had any s	ignificant modifications since	1970?
Yes Yes	☐ No	Unknown
If so, what modifications we	re made and when?	
1992 Addition to spill spillway in the Lake I	way – construction of ro Diversion Dam	ller compacted
May we contact the design e	ngineer for additional informa	ation or for copies of the plans?
X Yes	□No	Unknown
Design Engineer Biggs an	nd Mathews	_
Do you have any representate can have?	tive photographs which the Te	xas Water Development Board
Yes	X No	
Can you furnish them in a d	igital format?	
X Yes	□No	
May we have permission to Freese and Nichols' archive	share photographs or design in swith the Texas Water Develo	nformation on your dam in the opment Board?
X Yes	☐ No	
Thank you for your time!		

		Comments
Name	Diversion, Lake	
Impoundment Name		1 1 morning
Dam Name	Lake Diversion Dam	1 Johnson L
Dam Name		fill information
	Wichita CWID #2 & City of	A C0
Owner	Wichita Falls	28 Person
	Kyle Miller	(VIII
Contact Person	940-767-6721	
Telephone	940-767-6721	
Fax		
Email	wcwid2@cbc.global.net 402 E. Scott Wichita Falls,	
Address	TX 76303	
Elevation	4.052.0	·
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 <sup>2</sup> )	2,194	
Area (mile ) Contributing Drainage	2,104	
Area (mile <sup>2</sup> )	luintin	
Main Purposes	Irrigation	
Dam Type	earthfill	
Top of Dam Elevation	1074	
(feet)	1,074	
Dam Length		
(feet)	4,120	
Dam Height	55 (Report 126), 51 (NID	
(feet)	2006)	
Top Width		
(feet)	16	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emorganoj opinitaj 1300		
Emergency Spillway Location		
Emergency opinway Location		

0-111		Comments
Emergency Spillway Elevation	1051+	
(feet above MSL)	308 (Report 126), 314	
Emergency Spillway Length	`	
(feet)	(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	Catad caparata atmetima	
Information	Gated concrete structure,	
T	gates each 5x8.5 ft	
Type of Gates  Number of Gates	slide(sluice) 12	
	12	
Maximum Gate Release		
Capacity (cfs)	N	
Hydropower (Y/N)	IN	
No. of Hydropower Units Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works	vaive	
(feet above MSL)	1,020.0	
Discharge Capacity of Outlet	1,020.0	
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
odust (iii daiii)		
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		
rield 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	
Tuna of Llas Multiple Dumana		
Type of Use, Multiple Purpose	0	
Consumptive Diversion	<u>\</u>	
Water Right or Application Number(s)	C5123	
Permit Number(s)	00120	
Latest Amendment		
Authorized Impoundment	45,000	
Priority Date(s)	10/02/1920	
Hazard Classification	High	

<sup>\*</sup> 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
	Komp Loko	Outside
	Kemp, Lake	
Impoundment Name	L. L. Karan Dam	
Dam Name	Lake Kemp Dam	A liverity
	Wichita CWID #2 & City of	1 Now I Market
<u> </u>	Wichita Falls	
	Kyle Miller	
	940-767-6721	OCIA
	940-767-6722	
Email	wcwid2@cbc.global.net	
	402 E. Scott Wichita Falls, TX	
Address	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)		
(40.0 .00.)		
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)	ol	
Last Survey Area at TOC		
	15,357	
(acres)	10,001	
Date of	38749	
Last Survey	307 40	
Last Survey Performed by		
Total Drainage	2.006	
Area (mile <sup>2</sup> )	2,086	
Contributing Drainage		
Area (mile <sup>2</sup> )		
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	top width at outlet work 52 ft,	
(feet)	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	
X7		
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 00 447	
Year 2010 Yield (acre-feet)	90,417	
Year 2060 Yield (acre-feet)	39,250	
River Basin	Red Wighita Diver	
Stream	Wichita River	
County	Baylor	
Nearest town	Mabelle	
Distance from	e	
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	o	
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	

<sup>\*</sup> 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 Murphy

CRMWD Dams

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
<a href="mailto:cwingert@crmwd.org">cwingert@crmwd.org</a>

Ballinger

Has your structure had	any significant modi	fications since 1970?
Yes	No	Unknown
If so, what modification	ns were made and wh	nen?
May we contact the des	sign engineer for add	itional information or for copies of the plans?
Yes	□ No	Unknown
Design Engineer	1DR	
Do you have any repres can have?	sentative photographs	s which the Texas Water Development Board
Yes	No	
Can you furnish them in	n a digital format?	IF Needed,
Yes	☐ No	
		hs or design information on your dam in the Water Development Board?
Yes	☐ No	
Thank you for your tim	e!	

		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	
Addiess	1.0. Box 407 Bailinger, 17770021	
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	0.050	
Pool Total Volume (acre-feet)	6,850	
Last Survey Conservation	0.050	
Pool Capacity (acre-feet)	6,850	
Last Survey Dead Pool	- 1-	
Volume (acre-feet)	n/a	
Last Survey Area at TOC (acres)	500	
Date of	300	
Last Survey	n/a	
Last Survey Performed by	11/4	
Total Drainage		
Area (mile <sup>2</sup> )		
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation	Gartinii	
(feet)	1,702	
Dam Length	.,,	
(feet)	6,200	
Dam Height	- June 1	
(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		Comments
(feet above MSL)	1673.5	;
Emergency Spillway Length	1073.3	1
(feet)	1000	
(leet)	1000	/
Maximum Emorganov Spillway		
Maximum Emergency Spillway Discharge Capacity (cfs)		
	234,034	
Service Spillway Type		1
Service Spillway Location		
Service Spillway Elevation	4.000	
(feet above MSL)	1,668	
Consider Chilleman Length (feet)		
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information Type of Cotoe		
Type of Gates Number of Gates	uncontrolled	
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	

r		
		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	7,000	
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose		
Consumptive Diversion	0	
Water Right or Application	C1072, C1073, C1074, C1075,	
Number(s)	C1129, C1130	•
Permit Number(s)	01720, 01100	
	1072B, 1073A, 1074A, 1075A,	
Latest Amendment	1129A, 1130A	
Authorized Impoundment	6,850	
	10/04/1946, 04/06/1925,	
	11/03/1913, 02/07/1930,	
	06/11/1914, 03/06/1929,	
Priority Date(s)	02/25/1957	
Hazard Classification	High	

<sup>\*</sup> 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 Hindles
COMPANY: Treese and Midolo bre
FAX NO. 817-735-7491
FROM Lesso Beam
NUMBER OF PAGES: (INCLUDING THIS COVER LETTER)
COMMENTS:

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 we	ere made and when?	·
	May we contact the design of	engineer for additional informa	ation or for copies of the plans?
	Yes	□No	Unknown
	Design Engineer <u>U.S.</u>	Dept of Agric	<u>illtare</u>
	Do you have any representa can have?	tive photographs which the Te	exas Water Development Board
	☐ Yes	☑No	
	Can you furnish them in a d	igital format?	
	Yes	₽Ño	
	May we have permission to Freese and Nichols' archive	share photographs or design is with the Texas Water Devel	nformation on your dam in the opment Board?
	Yes	□ No	
	Thank you for your time!		
Nico		Le cit Secre	tay we did not
alot o	f in formation	on the cons	truction. I think be can help.
that	maybe the	NKL5 mag	le la la
		//	lan lo lufos 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		+ Albert All marine
Pool Total Volume (acre-feet)	138,500	current Published Vol. 134, 313
Original Surface		<i>'</i>
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	- 0.
Last Survey Area at TOC		
(acres)	6,375	
Date of	25.12.1	
Last Survey	35431	
Last Survey Performed by Total Drainage		
.~		
Area (mile <sup>2</sup> )	36,823	
Contributing Drainage		
Area (mile <sup>2</sup> )		
l Maria D	hydroelec, water supply,	
Main Purposes	industrial	
Dam Type	earthfill	The state of the s
Top of Dam Elevation		
(feet)	835	
Dam Length	,	
(feet)	5,491	
Dam Height	440-0	
(feet)	118.29	
Top Width		
(feet) Comments Dam General	Consists and Forthfill	
Year(s) of Modifications	Concrete and Earthfill	
Description of Modifications		
Emergency Spillway Type	controlled	
Emergency Spillway Location	loft and of de-	
Linergency Spillway Location	left end of dam	

		Oominches
Emergency Spillway Elevation		Thell is of
(feet above MSL)	796	- +AT- + - COADVILL -
Emergency Spillway Length	450 (Report 126), 500 (NID	William II I to the same of
(feet)	2006)	- EMREGRALY
Maximum Emergency Spillway		Comments  There is A  THE A SEPANNER  EMEGRACY  Spellny
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		Martin and talk can
Maximum Gate Release	10 19	After THE coast Light 500
	328,600	u/
Capacity (cfs)	17-0, 1900	
Hydropower (Y/N)	· · · · · · · · · · · · · · · · · · ·	
No. of Hydropower Units	2	
Generation Capacity (mW)	56, 25	
Type of Outlet Works	none	11 11 11 11 11 11 11 11 11 11 11 11 11
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	ARTONOMICS CONTRACTOR
Distance from	Warbio i alia	
	5 miles W	
Nearest Town (miles)	5 miles W	

		Comments
Direction from Nearest Town	W	
Dam		
Central Latitude 🔻	30.555	•
Dam		
Central Longitude	-98.3383	Annual and the control of the contro
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	ol	
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	

<sup>\*</sup> 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 Nichols, Inc.

Engineers

**Environmental Scientists** 

Architects

4055 International Plaza, Suite 200 June 3, 2008

Fort Worth, Texas 76109

817 735-7300

817 735-7491 fax

www.freese.com

Chambers-Liberty County Navigation District George Willcox MARY BETA 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, P.E.

Attachments Anahuac Dam Datasheet

Sent dish w/ 5p. Hway
+ gate pretures
5/12/08

		Comments
Name	Anahuac, Lake	
Impoundment Name	Lake Anahuac	
Dam Name	Anahuac Dam	
	Chambers-Liberty County	
Owner	Navigation District	
Contact Person	George Willcox	MAKY BETH Stengler
Telephone	409-267-3547 or 409-267-3541	The Constitution of the Co
Fax	409-267-4042	
Email	clend@ih2000.net	marybeth eclend. com
	P.O. Box 518, 207 Miller St.	
Address	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 <sup>2</sup> )	199	
Contributing Drainage		
Area (mile <sup>2</sup> )		
	water supply, industrial, irrigation,	
Main Purposes	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
Company Company Company	nort of loves ambonium and	
Emergency Spillway Location	part of levee embankment	
Emergency Spillway Elevation		
(feet above MSL)	8	
Emergency Spillway Length	1200	
(feet)	1200	
Maximum Emergency Spillway		
	13,600	
Discharge Capacity (cfs) Service Spillway Type	uncontrolled	
Service Spillway Location	uncontrolled	
Service Spillway Elevation		
(feet above MSL)	5	
(leet above MSL)		
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)	1,750 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)	İ	•
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	A
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		0 /11
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	O	
Water Right or Application		
Number(s)	C4279	
Permit Number(s)		
Latest Amendment	В	
Authorized Impoundment	35,300	
	04/14/1906, 11/07/1936,	
Priority Date(s)	11/11/1971	
Hazard Classification	Low	

<sup>\*</sup> 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

Anahavac

# Texas Water Development Board Update of Data for Report 126

Has your structure	had any significant modificat	tions since 1970?
Yes	☐ No	Unknown
•	ations were made and when?	
1992 Constr	ucted 2nd spillway	, 150' x 25'-4'msL
May we contact the	design engineer for addition	nal information or for copies of the plans?
Yes	No	Unknown
Design Engineer _	in house Construction	المحا
Do you have any re can have?	presentative photographs wh	ich the Texas Water Development Board
Yes	☐ No	
Can you furnish the	em in a digital format?	
Yes	□ No	
-	ission to share photographs o' archives with the Texas Wa	or design information on your dam in the ater Development Board?
Yes	□ No	
Thank you for your	time!	

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.

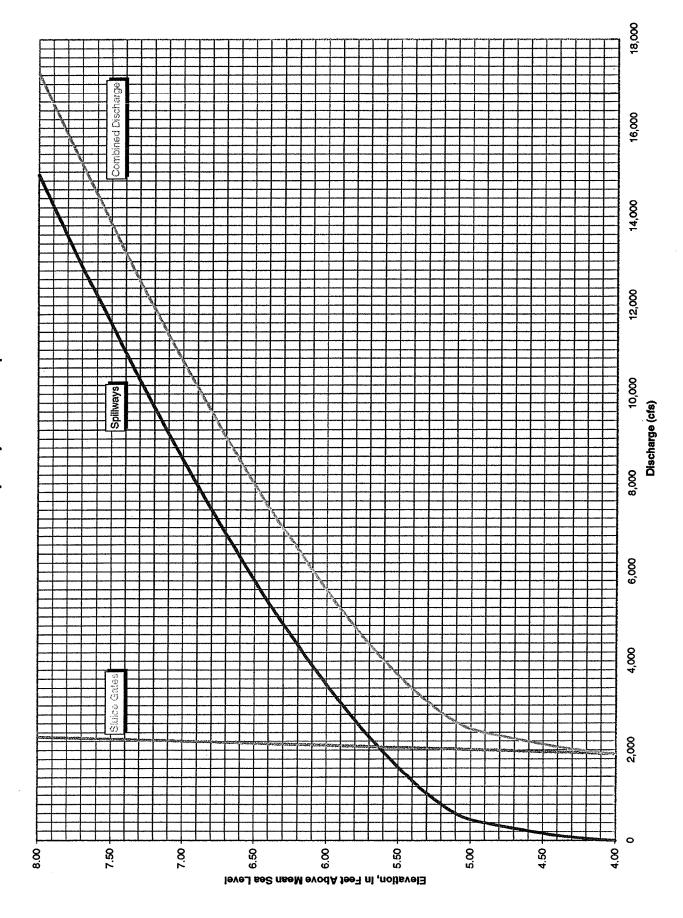
Additionally, I have included a diskette, containing an excel spreadsheet which we used in our estimate of the volume spilled. Basically, you input daily lake level elevations for each month and it keeps track of spills over the entire year. Let me know if you have difficulty in opening this file. Again,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

Sincerely, BROWN & ROOT, INC.

Augusto Villalon, P.E.

# **Lake Anahuac Rating Curve**

Co	mbined Spillway	's	Sluice Gates	Combined Discharge
Elevation (MSL)	Head (Min Es)	Discharge	Discharge	Discharge
(ft)	(ft)	(cfs)	(cfs)	(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





#### 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, P.E.

Chief, Hydrology and Hydraulics Branch

aul L. Sodman

Enclosure

Freese Nichols, Inc.

Engineers

**Environmental Scientists** 

Architects

4055 International Plaza, Suite 200 June 3,2008

Fort Worth, Texas 76109

817 735-7300

817 735-7491 fax

www.freese.com

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 1

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.

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

Paul Rodman June 3, 2008 Page 2 of 2

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,

Attachments

Janis C. Murghy

Janis C. Murphy, P.E.

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

Aquilla Lake 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	Pavl. K. rodman Ousace. army. mill CESWF-EC-H
	Attn: CESWF-OD-L, P.O. Box 17300	CESWF-EC-H
Address	Ft. Worth, TX 76102-0300	
Elevation		
of TOC (feet)	537.5	V
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	V
Last Survey Conservation		✓
Pool Capacity (acre-feet)	45,092	
Last Survey Dead Pool		· volume
Volume (acre-feet)	227	at elevation 503.0
Last Survey Area at TOC	0.000	/
(acres)	3,020	V
Date of	07040	April 2002
Last Survey	3/348	APRII 2002
Last Survey Performed by	TWDB	
Total Drainage	0.50	/
Area (mile <sup>2</sup> )	252	V
Contributing Drainage		
Area (mile <sup>2</sup> )		, , , , , , , , , , , , , , , , , , , ,
Main Purposes	flood control, water supply	, recreation, fish/wildlife
Dam Type	earthfill	
Top of Dam Elevation		=20 F 0 +
(feet)	583	582.5 feet
Dam Length	ا ممحد ا	11000
(feet)	11,860	11890 fret
Dam Height	40.1	10115 Cont
(feet)	104	104.5 feet
Top Width		38' feet
(feet)	rook and soil foundation south	30 TEE!
Commente Dans Consul	rock and soil foundation, earth core	/
Comments Dam General	dam	
Year(s) of Modifications		
Description of Modifications	Lin controlled	di anni anti di
Emergency Spillway Type	uncontrolled	Unantrolled limited service
Emorgonov Spillway Lagating	Left abutment of the	
Emergency Spillway Location	main endanknocht	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	364,5	
Emergency Spillway Length		,
(feet)	1200	) 🗸
		at Mariana Decima
Maximum Emergency Spillway		AT Maximum Design J Water Surface
Discharge Capacity (cfs)	126,800	V Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	5)65	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	´( slide(sluice)	V.
Number of Gates	2	
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	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		1.1
Works (cfs)	2950	at Spillway Crest
Elevation of Water Supply	_	at Spillway Crest
Outlet (in Dam)	505	
<u> </u>		1-12 inch diameter low-flow outlet; invertelevation 505.0
Discharge Capacity of Water		outler; invert elevation 505.0
Supply Outlet in Dam (cfs)	2.5	
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 40.407	
Year 2010 Yield (acre-feet)	12,437	
Year 2060 Yield (acre-feet)	5,311	
River Basin	Brazos	<u></u>
Stream	Aquilla Creek	<u> </u>
County	Hill	· /
Nearest town	Hillsboro	V
Distance from	<b>,</b>	
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	ol	
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	

<sup>\*</sup> 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

### **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

Red

Flag Status:

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)	440.0	
Dead Fool Lievation (reet)		
Original Conservation		
Pool Total Volume (acre-feet)	32,790	
Original Surface	52,700	
Area at TOC (acre)	1,520	
Original Dead Pool Volume	, , , , ,	
(acre-feet)		
(33.2.2.3)		
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 <sup>2</sup> )	22	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	453	
Dam Length	2 222	
(feet)	3,000	
Dam Height	57 (NID 2006); 67 (Report 126)	
(feet)	57 (NID 2006); 67 (Report 126)	
Top Width (feet)	20	
Comments Dam General	soil foundation, earth core dam	
Year(s) of Modifications	Son roundation, Earth Core dam	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Type	uncontioned	
Emergency Spillway Location	left of the dam	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	446	
Emergency Spillway Length	350 (NID 2006); 300 (Report	
(feet)	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	rectangular drop inlet; oulet - box	
Information	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	Oll	
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	Althens	
Nearest Town (miles)	8	
rivealest rown (iiilles)	<u></u>	

		Comments
Disaction from Name of Town	F	Comments
Direction from Nearest Town	E	All Williams and the second of
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	o	
Water Right or Application		
Number(s)	C3256	·
Permit Number(s)		
Latest Amendment	В	
Authorized Impoundment	32,840	
Priority Date(s)	01/17/1955, 08/06/2003	
Hazard Classification	Significant	

<sup>\*</sup> 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

Like Athens

# Texas Water Development Board Update of Data for Report 126

Has your structure ha	ad any significant modifica	tions since 1970?
Yes	X No	Unknown
If so, what modificat	ions were made and when?	
May we contact the o	lesign engineer for addition	nal information or for copies of the plans?
Yes Yes	☐ No	Unknown
Design Engineer _W	isenbaker, Fix, &	<u>Associat</u> es
Do you have any repart can have?	resentative photographs wh	nich the Texas Water Development Board
Yes	x No	
Can you furnish then	in a digital format?	
Yes	X No	
	sion to share photographs on archives with the Texas Wa	or design information on your dam in the ster Development Board?
X Yes	☐ No	
Thank you for your ti	ime!	

		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	Pavlakerodinan @ 15ace - armyimi! CESUF-EC-H
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESUF-EC-H
Address	Worth, TX 76102-0300	
Elevation		
of TOC (feet)	421.0	
	421.0	
Dead Pool Elevation (feet)		,
Original Conservation		
Pool Total Volume (acre-feet)	54,900	
Original Surface	34,900	
Area at TOC (acre)	3,570	
Original Dead Pool Volume	3,370	
(acre-feet)		
(acie-leet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	46,472	V
Last Survey Conservation	, , , , , ,	
Pool Capacity (acre-feet)	46,122	✓
Last Survey Dead Pool		
Volume (acre-feet)	350	volume at clev. 391.0
Last Survey Area at TOC		
(acres)	3,138	V
Date of		
Last Survey	36192	February 1999
Last Survey Performed by		February 1999 TWDB
Total Drainage		
Area (mile <sup>2</sup> )	178	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, flood control, recreation	r/
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	/
		pi / ab tureat
Emergency Spillway Location		Right abutment

		Comments
Emergency Spillway Elevation		,
(feet above MSL)	439	
Emergency Spillway Length		/
(feet)	350	
		78000 cts at maximum Design
Maximum Emergency Spillway		Water Syrface
Discharge Capacity (cfs)	74,300	
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	, <u>ź</u>	/
Maximum Gate Release		
Capacity (cfs)	<del>-3,700</del>	<del>-</del>
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	3/20 ds 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	V
Distance from		
Nearest Town (miles)	5	

		Comments
Direction from Nearest Town	S	
Dam		
Central Latitude	32.2511	V
Dam		
Central Longitude	-96.6412	<u> </u>
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	9,600	
Total Non Consumptive Use		
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
Turns of Line Multiple Durnses		
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application	0	
Number(s)	C5021	
Permit Number(s)	03021	
Latest Amendment	D	
Authorized Impoundment	54,900	
Priority Date(s)	07/30/1956	
Hazard Classification	High	

<sup>\*</sup> 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	Community
Impoundment Name		
Dam Name	Bastrop Dam	
Owner	Lower Colorado River Authority	
Contact Person	Mike Lowe, P.E.	
Telephone	512-473-4076 3人(21)	
Fax	512-473-3551	
Email	jkabir@lcra.org	Mike Lowe la Lake Offer
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	<u> </u>
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 <sup>2</sup> )	9	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	industrial, recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	458	
Dam Length		
(feet)	4,000	
Dam Height	80 (NID 2006); 85 (Report	6.0
(feet)	126)	88 17
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	

;

		Comments
Emergency Spillway Length		
(feet)	90	V
Maximum Emergency Spillway Discharge Capacity (cfs) Service Spillway Type	17,612	Service Energence / 1 Why
Service Spillway Type  Service Spillway Location	V <sub>1</sub>	Well With
Service Spillway Elevation (feet above MSL)	425	1 Service 3 programmes
Service Spillway Length (feet)  Maximum Service Spillway		7
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	\(\sigma\)
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	A.22	
On or Off Channel (ON/OFF)	Off	- ON TRICER CORPR
Stream if Off-Channel	Colorado River	of fuck every
Yield Type (FY:Firm Yield,SY:	FV	PROMIET AF
Safe Tield, Other)	FY	DEE HAMME
Year 2010 Yield (acre-feet) Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Spicer Creek	
County	Bastrop	
Nearest town	Bastrop	
Distance from	= 4011 Op	
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)		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	cert of Ad (?)
Water Right or Application		
Number(s)	A-2265 C5473	
Permit Number(s)	A-1265 C5473 P-2054	
Latest Amendment	•	
Authorized Impoundment	16,590	
Priority Date(s)	03/04/1963	Mark type a super a real original and the super
Hazard Classification	High	

<sup>\*</sup> 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 Poo! 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	APPLICATION AND APPLICATION APPLICATION AND APPLICATION APPLIC
Last Survey Performed by		
Total Drainage		
Area (mile <sup>2</sup> )	40	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	1,829	
Dam Length		
(feet)	3,383	
Dam Height	50 (NID 2006); 66 (Report	
(feet)	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	

		Commonts
Emergency Spillway Length		Comments
11	<b>500</b>	
(feet)	500	
Maximum Emarganas Callisas		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	19,978	
Service Spillway Type	uncontrolled	
Service Spillway Location		Jan. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Service Spillway Elevation		
(feet above MSL)	1,820	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway	open channel cut with 200 ft	
Information	bottom width, discharge to Lake	
mormation	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	0.101	
(feet above MSL)	see comment	
Discharge Capacity of Outlet	000 00	
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
Oddet (in Burn)		
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	Un	
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		AND 1
(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	

<sup>\*</sup> 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 Loke

Has your str	ucture had an	y significant modific	ations since 1970?
Yes		⊠ No	Unknown
If so, what m	nodifications	were made and when	
May we cont	tact the design	n engineer for addition	onal information or for copies of the plans?
Yes	NA	□No	Unknown
Design Engir	neer		
Do you have can have?	any represen	tative photographs w	which the Texas Water Development Board
Yes		⊠ No	
Can you furn	ish them in a	digital format?	
Yes		⊠ No	
			or design information on your dam in the atter Development Board?
X Yes		☐ No	
Thank you fo	or 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	0,100,00,00,00,00
Email	Attn: CESWF-OD-L, P.O. Box 17300	paul. Korodinan Qusace. army. mil CESWF-EC-H
Addinas		CESWF-EC-H
Address	Ft. Worth, TX 76102-0300	
Flourties		
Elevation	504.0	
of TOC (feet)	594.0	<u> </u>
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	457,600	
Original Surface	437,000	
Area at TOC (acre)	12,300	
Original Dead Pool Volume	12,300	
(acre-feet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	435,225	
Last Survey Conservation	400,220	V
Pool Capacity (acre-feet)	435,225	
Last Survey Dead Pool	455,225	<i>y</i>
Volume (acre-feet)	o	V
Last Survey Area at TOC	U	
(acres)	12,135	√
Date of	12,133	
Last Survey	27742	Ma. 2002
	3//42	May 2003 TWDB
Last Survey Performed by Total Drainage		TWOO
	0.500	
Area (mile <sup>2</sup> )	3,560	V
Contributing Drainage	<b> </b>	
Area (mile²)		
Main Purposes	flood control, water supply	, respection, irrigation
Dam Type	earthfill	
Top of Dam Elevation		/
(feet)	662	<u> </u>
Dam Length		/ ,
(feet)	5,524	V includios spillmay and 418 fr dike
Dam Height	·	
(feet)	192	V
Top Width		
(feet)	30	$\checkmark$
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
3	33510100	
Emergency Spillway Location		Left abutment

		Comments
Emergency Spillway Elevation		Comments
(feet above MSL)	631	
Emergency Spillway Length	001	
(feet)	1300	
(icci)	1300	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	472 500	market a Dack - 110mm C. Com
Service Spillway Type	472,500	at Maximum Design Water Surface
Service Spillway Location	O	
Service Spillway Elevation		
(feet above MSL)		
(reet above MSL)		
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	0	hearns - Tull aures
Number of Gates		broome-Type gates
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units	IV	
Generation Capacity (mW)		
Type of Outlet Works	other	
Elevation of Outlet Works	Ottlei	broome-Type gates
(feet above MSL)	483.0	
Discharge Capacity of Outlet	463.0	
Works (cfs)	30,000.0	77000 of com soill and com
Elevation of Water Supply	30,000.0	27900 ofs at spillary Crest
Outlet (in Dam)		5-40
Oddet (III Daili)		
Discharge Capacity of Water		1-3ft x 3ft gated low flow outlet; invert elevation 540.0 (at intake
Supply Outlet in Dam (cfs)	510	10 wat well }
Location of Reservoir Water		" with WEH
Supply Outlets		Emplies in a miles contin
On or Off Channel (ON/OFF)	On	Emptics into outlet works conduit
Stream if Off-Channel	On	
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		
Stream	Brazos Loop Bivor	
	Leon River	
County Negreet town	Bell	<u>V</u>
Nearest town	Belton	
Distance from		
Nearest Town (miles)	3	V

		Comments
Direction from Nearest Town	N	
Dam		
Central Latitude	31.1083	√
Dam		/
Central Longitude	-97.4728	V
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	

<sup>\*</sup> 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	Daylet Codman QUESCO ACMUNI
	Attn: CESWF-OD-L, P.O. Box 17300	Padek. rodman Qusare. army.mil
Address	Ft. Worth, TX 76102-0300	CLOWF-EC-17
		THE PARTY OF THE P
Elevation		
of TOC (feet)	694.0	
Dead Pool Elevation (feet)	30 110	
2000 : 00: 2:0:00:0:: (1000)		
Original Conservation		
Pool Total Volume (acre-feet)	88,250	
Original Surface	00,200	
Area at TOC (acre)	3,770	
Original Dead Pool Volume	5,770	
(acre-feet)		
(acio-icet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	85,648	
Last Survey Conservation	00,048	
Pool Capacity (acre-feet)	85,648	
Last Survey Dead Pool	00,040	
Volume (acre-feet)	o	/
Last Survey Area at TOC	U	
(acres)	2 625	
Date of	3,635	V
Last Survey	25706	To 100 10 100 P
Last Survey Performed by	35796	January 1998
Total Drainage		TWVO
· · · · · · · · · · · · · · · · · · ·	400	
Area (mile <sup>2</sup> )	429	V
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	recreation
Dam Type	earthfill	V
Top of Dam Elevation		
(feet)	747	V
Dam Length		
(feet)	9,130	Including spillway
Dam Height		
(feet)	130	V
Top Width		
(feet)	20	V
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	✓
Emergency Spillway Location		Left abutment

		Comments	1
Emergency Spillway Elevation		/ Elev.	
(feet above MSL)	724	V spillway Notch @ =10.0'	
Emergency Spillway Length			1
(feet)	500	V Notch length = 100 ft.	in center
<b></b>		V Notch length = 100 ft.	
Maximum Emergency Spillway			
Discharge Capacity (cfs)	17,200	ocs growater 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	1	
No. of Hydropower Units			
Generation Capacity (mW)			
Type of Outlet Works	other	broome -Time dates	
Elevation of Outlet Works		broome-Type gates	
(feet above MSL)	622.0	$\checkmark$	
Discharge Capacity of Outlet		**************************************	
Works (cfs)		7840 cts at Spillway Crest Elev	フラリ
Elevation of Water Supply		18 10 Cls at Fillowy Test Clev	1 him 1
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	<b></b>	
Stream	Clear Fork Trinity River		
County	Tarrant		
Nearest town	Fort Worth		
Distance from	1 0.1 11 01111	· /	
Nearest Town (miles)	10	V	
	101	li li	

		Comments
Direction from Nearest Town	SW	
Dam		
Central Latitude	32.6535	
Dam		•
Central Longitude	-97.4571	
Contain Longitude	37.4071	-
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	6,833	
Total Non Consumptive Use	0,000	
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	ol	
Type of Use, Multiple Purpose	·	
Consumptive Diversion	ol	
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	

<sup>\*</sup> 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

Has your structure ha	ad any significant modifica	tions since 1970?
X Yes *	☐ No	Unknown
If so, what modificat	ions were made and when?	
* See attached s	heet	
May we contact the o	lesign engineer for addition	nal information or for copies of the plans?
Yes	☐ No	X Unknown
Design Engineer <u>Fo</u>	rrest & Cotton(no long	ger in business)
Do you have any repocan have?	resentative photographs wh	ich the Texas Water Development Board
X Yes (from insp of June 2	ection No	
Can you furnish then	in a digital format?	
Yes	X No	
May we have permiss Freese and Nichols' a	sion to share photographs o archives with the Texas Wa	r design information on your dam in the ter Development Board?
X Yes	☐ No	
Thank you for your ti	me!	

		Comments
Name	Palestine, Lake	
Impoundment Name	same	
Dam Name	Blackburn Crossing Dam	
	Upper Neches River	
Owner	Municipal Water Authority	
Contact Person	RX8XMallocy:	Monty D. Shank
Telephone	903-876-2237	
Fax	903-876-5200	
Email	UDATALISMO ORONANO CONTRA CONT	unrmwa@dctexas.net or mdsunra@dctexas.
	P.O. Box 1965 Palestine,	
Address	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
(20.0.1001)		
Last Survey Conservation		}
Pool Total Volume (acre-feet)	373,202	
Last Survey Conservation	070,202	
Pool Capacity (acre-feet)	370,098	
Last Survey Dead Pool	370,030	
Volume (acre-feet)	<b>22</b> ,7294	2295
Last Survey Area at TOC	2,294	
(acres)	22,656	
Date of	22,000	
Last Survey	×37773	June 2003
Last Survey Performed by	43444.0	TWDB
Total Drainage		עעוו
-	222	
Area (mile <sup>2</sup> )	839	
Contributing Drainage		unknown
Area (mile <sup>2</sup> )		l l
	water supply, wither,	industrial, irrigation,
Main Purposes	recreation	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	197/1×and×1997	1971,1996, 2001, 2006
Description of Modifications	YBY4: YEMAY JAYA	* see attached sheet
Emergency Spillway Type		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	AKB TO BROTHSHABSK	n/a
Emergency Spillway Elevation		
(feet above MSL)	×34£	n/a
Emergency Spillway Length		
(feet)	×50£	n/a
Maximum Emergency Spillway		
Discharge Capacity (cfs)	×1/87/056	
Service Spillway Type	xxontxolled	uncontrolled (overflow)
Service Spillway Location	meanxoenter of dam	near the east end of the dam
Service Spillway Elevation		
(feet above MSL)	×298	345
		500
Service Spillway Length (feet)		500
Maximum Service Spillway		
Discharge Capacity (cfs)		? (187,056?)
Comments Service Spillway	Gatedxconcretex tower,	
Information	ocomdwit 8 x5xfk diamoeter,xtwo	
	x5xx7xftxgraxtesx.	No comments
Type of Gates	nextbox	No gates
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	eylex	controlled concrete gatehouse w/ 4
	lowest slide gate 309.5 ft;	slide gates, 2ea 36"
Elevation of Outlet Works	other slide gates, 312.5 ft,	butterfly valves
(feet above MSL)	322.5 ft, and 332.5 ft	oabbority varves
Discharge Capacity of Outlet		
Works (cfs)		226
Elevation of Water Supply		
Outlet (in Dam)		298
Discharge Capacity of Water		226
Supply Outlet in Dam (cfs)		220
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	
	Anderson, Cherokee,	
County	Henderson, Smith	
Nearest town	Frankston	
Distance from		
Nearest Town (miles)	4 miles <del>⊊</del>	W

		Comments
Direction from Nearest Town	Ε	
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	10	unknown?
Type of Use, Multiple Purpose		contracts with Dallas, Tyler, Palestine; smaller contracts with
Consumptive Diversion	Q	Monarch Utilities, Emerald Bay Golf
Water Right or Application	62254	Super Tree Farm
Number(s)	C3254	
Permit Number(s)		
Latest Amendment	С	
Authorized Impoundment	411,840	
	04/30/1956, 03/09/1967,	
	12/16/1968, 09/15/1969,	
	09/14/1970, 03/21/1983,	
Priority Date(s)	04/25/1983, 10/01/1984	
Hazard Classification	High	

<sup>\*</sup> 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 Impoundment Name Dam Name	Brandy Branch Cooling Pond Brandy Branch Cooling Pond Brandy Branch Cooling Pond Dam	Note - this is for our Pirkey Power Plan
		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) Date of □Last Survey	1242 n/a	
Last Survey Performed by	II/a	
Total Drainage		
Area (mile2)	4.1	
Contributing Drainage □Area (mile2)		
Main Purposes	industrial	Industrial - steam electric
		based on your definitions page - it
Dom Tuno	earthfill	does have several zones of various earthfill construction materials
Dam Type Top of Dam Elevation □(feet)	351	
Dam Length □(feet)	3560	
Dam Height⊡(feet)	80	
Top Width□(feet)		20
		soil cement on upstream face from
Comments Dam General	soil foundation	elev 330 to 345
Year(s) of Modifications		Approximately 1985 or 1986 Added a berm on downstream slope
		at elevation 288 that is approximately
Description of Modifications		50 feet wide
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		right of dam
Emergency Spillway Elevation (feet above MSL)	342.5	400 ft 14 and 4700 ft leave
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	ACLOR OD at most the advantable OLORID
Service Spillway Length (feet)	$I_{\epsilon}$	16'-6" OD at mouth reduced to 8'-6" ID
	•	Routing drawing Sheet 5 of 6 dated   5 '6"
Maximum Service Spillway Discharge Capacity (cfs)		February 1978 diamet
		February 1978  739 ft from centerline of Morning glory to stilling basin. Conduit under dam is generally 7 ft wide by 7 ft tall.
		739 ft from centerline of Morning glory
Comments Service Spillway Information		to stilling basin. Conduit under dam is generally 7 ft wide by 7 ft tall.
Comments Service Spillway Information Type of Gates	vertical lift	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 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)

Stream if Off-Channel

Yield Type (FY:Firm Yield,SY: Safe Tield,Other)

2 each 18 inch valves in 18 inch concrete lined steel cylinder pipe upstream gate valve and downstream 0 ball valve

285.47

unknown

Is this from TCEQ's WAM? Or F&N design? This does not look correct compared to Johnson Creek and Swauano Creek. Please provide

11000

Year 2060 Yield (acre-feet) River Basin

Stream County

Nearest town Distance from ☐ Nearest Town (miles)

Year 2010 Yield (acre-feet)

Direction from Nearest Town Dam □Central Latitude Dam □Central Longitude

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 or Application Number(s) Permit Number(s)

Latest Amendment

Authorized Impoundment

Priority Date(s)

Hazard Classification

on

FΥ

Sabine **Brandy Branch** 

Harrison Marshall

SW

C4647

08/21/1978 Low

11000 documentation to me.

from DBOT

3618

10 Hallsville 7.5 miles SE

32.4306 -94.485 11000

0

COA 05-4647

A 5/16/1983

29513

\* 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	
Brownwood, Lake		
Brownwood Dam		
	0.00-1100	
	DSFIRKS & BEWID, OKE	
Biowiiwood, IA 76604		
	The state of the s	
1 425 0		
1,420.0		
143 400		
175,700		
7 300		
7,000		
<u> </u>		
131 429		
701,120		
131,429		
,01,120		
ol		
7.298		
35521		
1.535		
.,,,,,,		<del></del>
water supply, recreation		
		*
	· · · · · · · · · · · · · · · · · · ·	
1,450	1470	
.,,		
1.580		
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
120		
21		
	1982	-
uncontrolled		
	Brownwood Dam  Brown County WID No. 1 Dennis Spinks 915-643-2609 915-646-3031 bcwid.aom@gte.net P.O. Box 118 Brownwood, TX 76804  1,425.0  143,400  7,300  7,300  7,298  35521  1,535  water supply, recreation earthfill 1,450 1,580 120	Brownwood Dam  Brown County WID No. 1 Dennis Spirks 915-643-2609 915-643-3031 bcwid.acm@gte.net P.O. Box 118 Brownwood, TX 76804  1,425.0  131,429  131,429  131,429  0  7,298 35521  1,535  water supply, recreation earthfill  1,450  1,450  1,580  120

		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	
		1
Service Spillway Length (feet)		48 PIPE WITH VALUE
Maximum Service Spillway		
Discharge Capacity (cfs)	]	
Comments Service Spillway		*
Information	2 congrete conduits	
Type of Gates	other	BUTTERFLY VALUE
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	

ŧ

		Comments
Direction from Nearest Town	N	,
Dam		
Central Latitude	31.8383	
Dam		
Central Longitude	-99.0017	1
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	23,770	
Total Non Consumptive Use	20,710	
(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	

<sup>\*</sup> 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

Has your structure had any	y significant modifications sing	ce 1970?
Yes	□ No	Unknown
If so, what modifications	were made and when?	
DAM WAS RATE	SED AND WIDENED	
May we contact the design	n engineer for additional inform	mation or for copies of the plans?
Yes	□ No	Unknown
Design Engineer Fre	ESE AND ALCHOLS	
Do you have any represent can have?	tative photographs which the T	Γexas Water Development Board
Yes	☑ No	
Can you furnish them in a	digital format?	
Yes	⊌No	
	o share photographs or design es with the Texas Water Deve	information on your dam in the lopment Board?
Yes	□No	
Thank you for your time!		

### **Board Of Directors**

Ted Simpson, President Pierre Osbourn Stuart Coleman J.Y. Timmins Mark Campbell



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.

Alveza Marin Records Clerk

Sincerety.

Encl:

NI.	Duchaga I -1 -	Comments
Name	Buchanan, Lake	
Impoundment Name		FA + 11/1 + 1
Dam Name	Buchanan Dam	5-A-410(10)
0	Laura Catara da Disa Authorita	
Owner	Lower Colorado River Authority	401
Contact Person	Mike Lowe, P.E.	MARK JORDAN
Telephone	512-473-4076 3200	
Fax	512-473-3551	A second control of the second control of th
Email	ikabir@lcra.org	MARK - JORDANIO LORA PRIS
	D 0 D 000 A 11 TV 70707	
Address	P.O. Box 220 Austin, TX 78767	
	-	
Elevation		10 20 2 F
of TOC (feet)	1,020.4	1020.35
Dead Pool Elevation (feet)		
0.1.1.1.0		
Original Conservation	202 222	
Pool Total Volume (acre-feet)	992,000	
Original Surface		
Area at TOC (acre)	23,060	
Original Dead Pool Volume		
(acre-feet)		.,
·	2011 866	CURRENT Puflighed
Last Survey Conservation	875,300	CAPIMENT CAPING
Pool Total Volume (acre-feet)	885;507	16 3 P
Last Survey Conservation		
Pool Capacity (acre-feet)	-885,507	
Last Survey Dead Pool	30,001	
Volume (acre-feet)	n/a	
Last Survey Area at TOC	11/0	
(acres)	~23,060	22,395
Date of	20,000	
Last Survey	35431	
	~~30431	
Last Survey Performed by Total Drainage	THE REST WAS TO SELECT THE SELECT	
_		
Area (mile²)	31,828	
Contributing Drainage		
Area (mile²)		
Main Purposes	water supply, hydroelec	
Dam Type	multi-arch	
Top of Dam Elevation		
(feet)	1,025	
Dam Length		
(feet)	10,987	
Dam Height	145.5 in Report 126 146 in NID	Pullinged Hi-
(feet)	2006	. (m. 118.1.14" - 1111 s
Top Width		
(feet)	33.8	
Comments Dam General	30.0	
Year(s) of Modifications	1994	**************************************
	1984	we have done mods. Dice
Description of Modifications		(977)
Emergency Spillway Type	uncontrolled	Jan's doesn't thin
E		f
Emergency Spillway Location	north end	we did anything in

		Comments
Emergency Spillway Elevation (feet above MSL)	1020.5	
Emergency Spillway Length (feet)	2536 (NID 2006), 1,100 (Report 126)	. // 00 .
Maximum Emergency Spillway		,
Discharge Capacity (cfs)	1,339,388	
Service Spillway Type	controlled	
Service Spillway Location	left, center, nearest powerhouse	N of Poure Hallse
Service Spillway Elevation (feet above MSL)	1 <sub>3</sub> 006	
Service Spillway Length (feet)		
Maximum Service Spillway Discharge Capacity (cfs)	·	
Comments Service Spillway	section 1 and 2 at elevation	
Information	'1005.5; Section 3 elevation	
	995.5	
Type of Gates	tainter(radial)	A COLUMN AND AND A COLUMN AND A
Number of Gates	37 3	
Maximum Gate Release	,	
Capacity (cfs)		
Hydropower (Y/N)	<u> </u>	•
No. of Hydropower Units	3	27 American Service of the Control o
Generation Capacity (mW)	57/_312.66 none	70101
Type of Outlet Works Elevation of Outlet Works	HOHE	
(feet above MSL)		
Discharge Capacity of Outlet		
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)	110-110-1	
Discharge Canasity of Water		
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:		and the state of t
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	

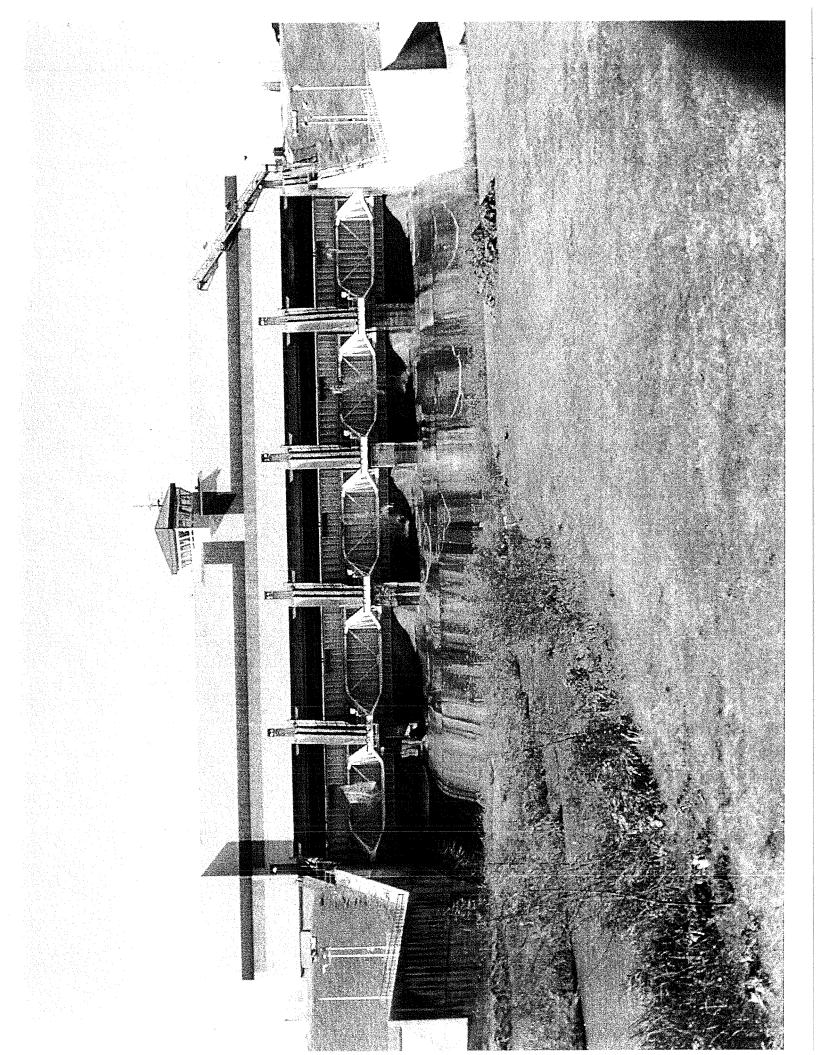
\*

		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	Municipal, Industrial, Irrigation,	
Consumptive Diversion	Mining	
Water Right or Application	J	· · · · · · · · · · · · · · · · · · ·
Number(s)	C5478	
Permit Number(s)		
Latest Amendment	С	
Authorized Impoundment	992,475	
Priority Date(s)	03/29/1926	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure had a	iny significant modification	ations since 1970?	
Yes	₩No	Unknown	
If so, what modification	s were made and when	?	
May we contact the desi	gn engineer for additic	onal information or for copies of t	he plans?
X Yes	□No	Unknown	
Design Engineer <u>Blace</u>	ick & VEATCH,	KANSAS City, Mo.	Proj No 433
Do you have any represe can have?	entative photographs w	which the Texas Water Developme	ent Board
Yes	□No		
SEE ATTACKES			
Can you furnish them in 210 353-3677	a digital format? $\beta$	lease Confort ERIC &	Olson e
Yes	☐ No		
•	1 0 1	or design information on your da Vater Development Board?	m in the
Yes	No		
Thank you for your time	e!		



		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	Richard Peña 210 353 3860
Fax		
Email		
	P.O. Box 1771 San	
Address	Antonio, TX 78296	
A CAMPAGNA AND AND AND AND AND AND AND AND AND A		
Elevation		
of TOC (feet)	485.0	
Dead Pool Elevation (feet)	700.0	
Dead Foor Elevation (reet)		
Original Conservation		
Pool Total Volume (acre-feet)	63 300	
	63,200	
Original Surface	0.004	
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 <sup>2</sup> )	65	
Contributing Drainage	03	
Area (mile²)		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	498	
Dam Length		
(feet)	6,000	
Dam Height	79 (NID 2006); 70	
(feet)	(Report 126)	
Top Width		
(feet)	24	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
- J , - , - , - , - , - , - , - , - ,		

		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	450 0	
(feet above MSL)	453.3	
Discharge Capacity of Outlet		126,000 cfs
Works (cfs)		120100 013
Elevation of Water Supply		
Outlet (in Dam)		
Disabassa Canasity of Water		
Discharge Capacity of Water Supply Outlot in Dam (cfs)		
Supply Outlet in Dam (cfs)  Location of Reservoir Water		
Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel	Uni	
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	San Antonio	
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	<u> </u>	
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose Consumptive Diversion	0	
Water Right or Application	0	
Number(s)	C2162	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	63,200	
Priority Date(s)	04/25/1967	
Hazard Classification	High	

<sup>\*</sup> 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	and the rade of Court of Court of	
Elliali	Attn: CESWF-OD-L, P.O. Box 17300	Paul. K. rodman Queace. armymil	
Address	Ft. Worth, TX 76102-0300	CESWF-EC-H	
Elevation		/	
of TOC (feet)	909.0		
Dead Pool Elevation (feet)			
			:
Original Conservation	000 000	. /	
Pool Total Volume (acre-feet)	386,200		
Original Surface	8,240		
Area at TOC (acre)	8,240		
Original Dead Pool Volume			
(acre-feet)			
Last Survey Conservation			
Pool Total Volume (acre-feet)	378,852	V	
Last Survey Conservation	370,032		
Pool Capacity (acre-feet)	378,781	<b>√</b>	
Last Survey Dead Pool	070,701	7	
Volume (acre-feet)	71	at elevi 775	
Last Survey Area at TOC		ar city	
(acres)	8,308		
Date of		<u> </u>	
Last Survey	36800	November 2000	
Last Survey Performed by		November 2000 TWDB	
Total Drainage			
Area (mile <sup>2</sup> )	1,425	1432	
Contributing Drainage	1	1   Natl diagram	
Area (mile <sup>2</sup> )			
Main Purposes	flood control, water supply	irecreation, hydropower, streamtlow	resula
Dam Type	earthfill	77 50 601 (1) 11 4 60 60 60 60 60 60 60 60 60 60 60 60 60	, (1 - U.
Top of Dam Elevation			
(feet)	974		
Dam Length			
(feet)	6,830	Vincluding dikes and spillway	
Dam Height		111-105/119 5117 5117 5117	
(feet)	224		
Top Width			
(feet)	20		
Comments Dam General			
Year(s) of Modifications		1988	
Description of Modifications		Non-federal hydropower facility 10	ASTRUC
Emergency Spillway Type	uncontrolled		,,,,,
		Right bank about 3800 feet south	
<b>Emergency Spillway Location</b>		of the outlet works intake structure	

n ion

		Comments
Emergency Spillway Elevation		/
(feet above MSL)	943	
Emergency Spillway Length	3.10	/
(feet)	1260	<b>/</b>
(1001)	1200	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	502,800	
Service Spillway Type	uncontrolled	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	943	
(ICCT ABOVE IVICE)	~~~	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	slide(sluice)	V,
Number of Gates	2	
Maximum Gate Release	-	
Capacity (cfs)		,
Hydropower (Y/N)	Y	
No. of Hydropower Units		Z,
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 ets at spillway crest
Elevation of Water Supply		1100 (1) (1) 111000
Outlet (in Dam)		
Callet (III Daill)		
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	V.
Nearest town	New Braunfels	/
Distance from		/
Nearest Town (miles)	12	$\checkmark$
recarest rown (miles)	12	

		/ Comments
Direction from Nearest Town	NW	V
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	Municipal, Domestic, Industrial,	
Consumptive Diversion	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	

<sup>\*</sup> 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 JUPO	
Fax	512-473-3511	
Email .	jkabir@lcra.org	Mike LOWE (2) LERA DAG
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 Comment Commention		
Last Survey Conservation	74.400	
Pool Total Volume (acre-feet)	71,400	
Last Survey Conservation	71.400	
Pool Capacity (acre-feet)	71,400	
Last Survey Dead Pool Volume (acre-feet)	7/0	
Last Survey Area at TOC	n/a	
<u>=</u>	2,400	,
(acres)  Date of	2,400	
Last Survey	34912	
Last Survey Performed by	34912	
Total Drainage		
_=		
Area (mile <sup>2</sup> ) Contributing Drainage	6	
Area (mile <sup>2</sup> )		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation	404	
(feet)	401	
Dam Length (feet)	45.050	
Dam Height	15,259	
	106	
(feet) Top Width	100	
(feet)		
Comments Dam General	upstream facing earth dam	
Year(s) of Modifications	upaneam racing earm dam	
Description of Modifications		
	cloud itself uncontrolled	
Emergency Spillway Type	App Misel uncontrolled	
Emorgonov Chillway Longita	-	
morganicy Spillway Location		
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	sinde(sinice)	
Maximum Gate Release	3	
Capacity (cfs)	N1	MANAGEMENT OF THE PROPERTY OF
Hydropower (Y/N)	<u> N</u>	
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	and collar ithout
Stream if Off-Channel	Colorado River	on celler thecky  operation of
Yield Type (FY:Firm Yield,SY:	- CONTRACTIVE	- Opocator si
Safe Tield,Other)	FY	and the same of th
Year 2010 Yield (acre-feet)	FI	- Coffee Colonial
Year 2060 Yield (acre-feet)		
River Basin	Colorado	
Stream	Colorado Cedar Creek	
	Fayette	
County Nearest town		
	Lagrange	
Distance from	م و	
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	o	
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	

<sup>\*</sup> 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 Dan

Has your structure had a	ny significant modificat	ions since 1970?
Yes	No	Unknown
If so, what modifications	s were made and when?	
May we contact the desi	gn engineer for addition	al information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer	irca 1946	
Do you have any represe can have?	entative photographs wh	ich the Texas Water Development Board
Yes	No	
Can you furnish them in	a digital format?	
Yes	No	
May we have permission Freese and Nichols' arch	, , ,	r design information on your dam in the ter Development Board?
Yes	□ No	
Thank you for your time	!	

		Comments
Name	Cherokee, Lake	
Impoundment Name		
Dam Name	Cherokee Dam	
Dani Hamo		
Owner	Cherokee Water Company	
Contact Person	Tony Martin	
Telephone	903-643-3933	
Fax	903-643-2717	
Email	antcramar@aol.com	
	NK20 Lake Cherokee	
Address	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 <sup>2</sup> )	158	
Contributing Drainage		
Area (mile <sup>2</sup> )		
	water supply, recreation,	
Main Purposes	power plant cooling	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	295	
Dam Length		
(feet)	4,000	
Dam Height	45 (Report 126); 42 (NID	
(feet)	2006)	
Top Width		
(feet)		
Comments Dam General	4050	
Year(s) of Modifications	1958	
	extensive repairs were	
	made to the service spillway	
Description of Modifications	concrete apron	
Emergency Spillway Type	uncontrolled	

		Comments
Emarganou Chillegou Location	Noor right and of Dam	
Emergency Spillway Location	Near right end of Dam	
Emergency Spillway Elevation	207.7	
(feet above MSL)	287.7	
Emergency Spillway Length	400	
(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	uncontrolle concrete	
Information	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	OII	
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	Longview	
l l	12	
Nearest Town (miles)		

		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		Verview
Number(s)	C4642	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	62,400	
Priority Date(s)	10/05/1946	
Hazard Classification	High	

<sup>\*</sup> 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	Comments
Impoundment Name	Choke Canyon Reservoir	
Dam Name	Choke Canyon Dam	
	Bureau Of Reclamation - USDO	
Owner	operated by Corpus Christi	
Contact Person	Norman Kuenstler	
Telephone	361-786-2641	
Fax	361-786-3870	
Email	normk@ci.corpus-christi.tx.us	
	P.O. Box 1043 Three Rivers, TX	The state of the s
Address	78071	
Elevation		
of TOC (feet)	220.5	
Dead Pool Elevation (feet)	220.0	127.0~136.4
		121.0 12411
Original Conservation		
Pool Total Volume (acre-feet)	691,130	
Original Surface	001,100	
Area at TOC (acre)	25,989	
Original Dead Pool Volume	20,000	
(acre-feet)		.54
Last Survey Conservation		
Pool Total Volume (acre-feet)	695,271	
Last Survey Conservation	000,2.1	
Pool Capacity (acre-feet)	695,262	
Last Survey Dead Pool	000,202	
Volume (acre-feet)	9	
Last Survey Area at TOC		
(acres)	25,989	
Date of	20,000	
Last Survey	34029	Sept 1992
Last Survey Performed by	0,020	Sept. 1993 Texas water Development Board
Total Drainage	•	TOWNS CONTENT THEORY DONG
Area (mile <sup>2</sup> )	5,490	
Contributing Drainage	5,400	
Area (mile <sup>2</sup> )	I	
Main Purposes	water supply, recreation, other	
Dam Type	earthfill	
Top of Dam Elevation	Gai u IIIII	
(feet)	241	
Dam Length	241	
(feet)	18,504	
Dam Height	10,504	
(feet)	112	
Top Width	112	
(feet)		3301
	soil foundation, upstream facing	33 ft. upstream facing is soil coment
Comments Dam General	concrete dam	wastream facine 's ail as +
Year(s) of Modifications	Concrete dam	OPSITCHIN THEIRS IS SOIT COMENT
Description of Modifications		
Emergency Spillway Type	-centrelled	
	- controlleu	

			Comments
Emergency Spillway Location			
Emergency Spillway Elevation			
(feet above MSL)	<del>-232.18</del> -		
Emergency Spillway Length			
(feet)	345		
Maximum Emergency Spillway			
Discharge Capacity (cfs)	<del>-251,760</del>		
Service Spillway Type	0	೭೮	ontrolled
Service Spillway Location		6. TO C	t-199.5
Service Spillway Elevation	200	CLER	n - 1911.5
(feet above MSL)	200	4000	of gate - 222.5, closed posit
	1		345
Service Spillway Length (feet)			<u>5 72</u>
Maximum Service Spillway		_	751 510
Discharge Capacity (cfs)			251,760
Comments Service Spillway			
Information			111100000
Type of Gates	-slide(sluice)		radial arm
Number of Gates	14		
Maximum Gate Release			
Capacity (cfs)			
Hydropower (Y/N)	N_		
No. of Hydropower Units			
Generation Capacity (mW)			
Type of Outlet Works	slide(sluice)		The state of the s
Elevation of Outlet Works	·		136.4
(feet above MSL)			1561
Discharge Capacity of Outlet			136,4 2,027
Works (cfs)			0,000
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)	<u>On</u>		
Stream if Off-Channel			
Yield Type (FY:Firm Yield,SY:	av.		
Safe Tield,Other)	SY 469 300	***************************************	
Year 2010 Yield (acre-feet)	168,299		
Year 2060 Yield (acre-feet)	Nia		
River Basin	Nueces		
Stream	Frio River		LiveOnly
County	McMullen & Liveoak	(SP)_	LiveOAK
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	o	
Water Right or Application		
Number(s)	C3214	
Permit Number(s)		
Latest Amendment	В	
Authorized Impoundment	700,000	
Priority Date(s)	07/19/1976	
Hazard Classification	High	

<sup>\*</sup> 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

Cléburne Dann Lahe Pat Cleburne

Has your structure had any	significant modi	ifications sine	ce 1970?	
Yes	∑ No		Unknown	
If so, what modifications w	vere made and wl	nen?		
May we contact the design	engineer for add	itional inform	nation or for copies of the plans	<u>-</u>
Yes	☐ No	N/A	Unknown	
Design Engineer				
Do you have any represent can have?	ative photograph	s which the T	Γexas Water Development Boar	d
Yes	☐ No	Fd	N has digitals	5
Can you furnish them in a	digital format?		,	
Yes	□No			
May we have permission to Freese and Nichols' archiv			information on your dam in the elopment 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	700 5	
of TOC (feet)	733.5	
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	25,560	
Original Surface	25,500	
Area at TOC (acre)	1,550	
Original Dead Pool Volume	,,,,,,	
(acre-feet)		
(40.0 100.)		
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 <sup>2</sup> )	100	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation	753	
(feet)  Dam Length	753	
(feet)	4,900	
Dam Height	4,900	
(feet)	78	
Top Width	70	
(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)		
Birch and Organity of Water		
Discharge Capacity of Water		
Supply Outlet in Dam (cfs)		
Location of Reservoir Water		
Supply Outlets	0,1	
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY:	FY	
Safe Tield,Other)	5,202	
Year 2010 Yield (acre-feet)	4,837	
Year 2060 Yield (acre-feet) River Basin		
Stream	Brazos Nolan Bivor	
	Nolan River Johnson	
County Nearest town	Cleburne	
	Cleburne	
Distance from	4 miles SW	,
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	į	
Consumptive Diversion	0	
Water Right or Application		
Number(s)	C4106	
Permit Number(s)		
Latest Amendment	C	
Authorized Impoundment	25,600	
	08/06/1962, 03/29/1976,	
Priority Date(s)	08/30/2004	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure l	had any significant modificat	ions since 1970?
Yes	No	Unknown
If so, what modifica	ations were made and when?	
May we contact the	design engineer for addition	nal information or for copies of the plans?
Yes	□ No	Unknown
Design Engineer _ Do you have any re can have?	No Forvestand Cotte Dallas TA presentative photographs wh	ich the Texas Water Development Board
Y Yes	☐ No	I cond in mil
Can you furnish the	em in a digital format?	Will send in muil separate
Yes Yes	□ No	
May we have permit Freese and Nichols	ission to share photographs o archives with the Texas Wa	or design information on your dam in the ster Development Board?
Yes	☐ No	
Thank you for your	time!	

		Comments
Name	Coleman, Lake	
Impoundment Name	Total Land	
Dam Name	Coleman Dam	The state of the s
Datii Maine	Obicinal Dan	
	City of Colomon	
Owner	City of Coleman	
Contact Person	Billy Matthews	Larry Weige
Telephone	915 382 4635	325-625-5114
Fax	<u> </u>	the last an exchange and the second of the s
Email	Ae-email	citymar @ web -access not
Address	1193 FM 1274 Golen	Citymar @ web access not PO BOX 582 Coleman TX 76834
Elevation	·	w ·
of TOC (feet)	1717.5	
Dead Pool Elevation (feet)		The state of the s
Dead / Doi Elevation (Icci)		The same of the sa
Original Consequation	i	
Original Conservation	40000	
Pool Total Volume (acre-feet)	40000	
Original Surface		
Area at TOC (acre)	2000	
Original Dead Pool Volume	<u>;</u>	
(acre-feet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	38094	
Last Survey Conservation		4.44
Pool Capacity (acre-feet)	38094	
Last Survey Dead Pool		Control of the State of the Sta
Volume (acre-feet)	n/a	
	iva	The state of the s
Last Survey Area at TOC	4000 7	
(acres)	1863.7	, and the second
Date of		
Last Survey	7/1/2006	The second state of the second
Last Survey Performed by		and the second of the second o
Total Drainage		
Area (mile²)	292	
Contributing Drainage		
Area (mile²)		
	water eurolu correct	. ,
	water supply, recreat	and a second control of the second control o
Dam Type	earthfill	to the second se
Top of Dam Elevation		
(feet)	1740	
Dam Length		
(feet)	3200	
Dam Height		
(feet)	90	
Top Width		
(feet)	20	
Comments Dam General		A CONTRACTOR OF THE PROPERTY O
Year(s) of Modifications		· · · · · · · · · · · · · · · · · · ·
Description of Modifications		The second secon
	Unnantealla d	en e
Emergency Spillway Type	uncontrolled	and the second s
Emergency Spillway Location		a constraint of the constraint
mergency Spillway Elevation		
(feet above MSL)	1726	

		Comments
Emergency Spillway Length		The second secon
(feet)	1500	
Maximum Emergency		CONTRACTOR OF THE CONTRACTOR CONTRACTOR OF THE C
Spillway Discharge Capacity	•	
(cfs)	265923	
Service Spillway Type	0	The state of the s
Service Spillway Location		CAMB AND NO. OF THE PARTY OF TH
Service Spillway Elevation	<del></del>	
(feet above MSL)	1717.5	
(reet above week)		
Service Spillway Length (feet)	\ I	
Maximum Service Spillway		Manufacture of the second seco
Discharge Capacity (cfs)		
Comments Service Spillway		, and the second
Information	Drop inlet with 28' dia	
Type of Gates	slide(sluice)	
Number of Gates	3	
Maximum Gate Release		The transfer of the Contract o
Capacity (cfs)	!	
Hydropower (Y/N)	N	
No. of Hydropower Units	The state of the s	
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	
Elevation of Outlet Works		
(feet above MSL)	1662.5	
Discharge Capacity of Outlet		
Works (cfs)		The state of the state and the state of the
Elevation of Water Supply		
Outlet (in Dam)		and the second s
Discharge Capacity of Water		
Supply Outlet in Dam (cfs)		A service of the service of the service of
Location of Reservoir Water		·
Supply Outlets		
On or Off Channel (ON/OFF)	'on	
Stream if Off-Channel		The state of the s
Yield Type (FY:Firm Yield,SY:		
Safe Tield, Other)	FY-S	The state of the state of the state of the state of
Year 2010 Yield (acre-feet)	0	gradient de la company de la c
Year 2060 Yield (acre-feet) River Basin	Colorada	The state of the s
	Colorado Jim Ned	and the second s
Stream	Coleman	
County Negrost town	· •	
Nearest town Distance from	Coleman	
	14	
Nearest Town (miles)	14	and the second s

		Comments
Direction from Nearest Town	N	
Dam		
Central Latitude	32.03	. The second proper plants alternated control and the second control
Dam		
Central Longitude	-99.465	
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	9000	
Total Non Consumptive Use		
(Ac-FtYr)	<u> </u>	The second secon
Type of Use, Non-	ŧ	
Consumptive Diversion		
Type of Use, Multiple Purpose		
Consumptive Diversion		
Water Right or Application		
Number(s)	C1702	The state of the s
Permit Number(s)		The second secon
Latest Amendment		The second secon
Authorized Impoundment	40000	The state of the s
	08/25/1958	
Hazard Classification	High	

<sup>\*</sup> 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



To: JANIS Murphy	From: Larry Weise
Fax: 817 734 7491	Pagesi 5
Phone:	Date: 7-9-08
Re: Into Regnested Coleman DAM	CC:
Coleman DAM  Urgent For Review Please Co	mment   Please Reply   Please Recycle

Florits Spelin



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

August 7, 2008

File CCP: 20-090-01-0401

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

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

Man Scanecole

		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	<del>361-645-8137</del>	361-788-5136 mfields@ipr-us.com	
Email	mlfields@aep.com	mfields@ior-us.com	
Address	P. O. Box 8 Fannin, TX. 77960	77.17.143.6	
Elevation			
of TOC (feet)	98.0		
Dead Pool Elevation (feet)	MA	Not available	
Original Conservation			
Pool Total Volume (acre-feet)	31,040	35,084	
Original Surface	3,100	<i>r</i>	
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	31 040	35,084	
Pool Capacity (acre-feet)  Last Survey Dead Pool	01,010		
Volume (acre-feet)	n/a		
Last Survey Area at TOC	1110		
(acres)	3,100		
Date of			
Last Survey	n/a		
Last Survey Performed by			
Total Drainage			
Area (mile <sup>2</sup> )	507		
Contributing Drainage			
Area (mile <sup>2</sup> )			,
Main Purposes	flood control	Industrial use. Cooling water	SUPPL
Dam Type	earthfill	Industrial USE. Cooling Water For Coleto Creek Pa	Je/-
Top of Dam Elevation			Stati
(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		400 from left side of services	pillo
Emergency Spillway Elevation			
(feet above MSL)	107.3		Ш

4 Lieu

		Comments
Emergency Spillway Length		
(feet)	2000	
Maximum Emergency Spillway		5. <b>0</b>
Discharge Capacity (cfs)	117,240	120,600 Controlled Ogee
Service Spillway Type	0	Controlled Ogee
Service Spillway Location		
Service Spillway Elevation		and I FAmor
(feet above MSL)	99	71'-top of Ogee 280' (gated area)
		2801 ( a. A. da )
Service Spillway Length (feet)		280 (gatea area)
Maximum Service Spillway		
Discharge Capacity (cfs)		294,700
Comments Service Spillway		
Information		
Type of Gates	tainter(radial)	400
Number of Gates	8	7
Maximum Gate Release		40.100
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		60'
(feet above MSL)		60
Discharge Capacity of Outlet		21 6 0 50
Works (cfs)		265 cfs
Elevation of Water Supply		N/A
Outlet (in Dam)		IV   IH
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:	ama d	
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	46	
Nearest Town (miles)	12	

		Comments
Direction from Nearest Town	SW	
Dam		
Central Latitude	28.7233	
Dam		
Central Longitude	-97.1667	
Total Authorized Consumptive	22.500	
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	U	
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	

<sup>\*</sup> 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

Has your structure has	ad any significant modifica	tions since 1970?
Yes	🔀 No	Unknown
If so, what modificat	ions were made and when?	,
May we contact the	design engineer for addition	nal information or for copies of the plans?
X Yes	☐ No	Unknown
Design Engineer	URS	
Do you have any rep can have?	presentative photographs w	hich the Texas Water Development Board
Yes	□ No	
Can you furnish then	n in a digital format?	
X Yes	☐ No	
	ssion to share photographs archives with the Texas W	or design information on your dam in the ater Development Board?
X Yes	□ No	
Thank you for your	time!	

		Comments
Name	Jim Chapman Lake	
Impoundment Name		
Dam Name	Cooper Dam	
Dani Humo	Cooper Built	
Owner	Corps of Engineers-SWF	
Contact Person	Paul Rodman	
	817-866-1538	
Telephone	817-886-6472	
Fax	paul.k.rodman@swf02.usace.army.mil	a 14 al . O. ca ca acon will
Email	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	Paul.K. rodman @usace. army. mil
	· · · · · · · · · · · · · · · · · · ·	CES WY-EC-H
Address	Worth, TX 76102-0300	
Elevation		l . /
of TOC (feet)	440.0	
Dead Pool Elevation (feet)		
Original Conservation		1/
Pool Total Volume (acre-feet)	310,312	V
Original Surface		/
Area at TOC (acre)	19,305	$\bigvee$
Original Dead Pool Volume	10,000	
(acre-feet)		
(acre-reer)		
Last Commentian		
Last Survey Conservation	240.242	7 90 9 20
Pool Total Volume (acre-feet)	310,312	298930
Last Survey Conservation		12017
Pool Capacity (acre-feet)	310,019	298930
Last Survey Dead Pool		
Volume (acre-feet)	293	D
Last Survey Area at TOC		
(acres)	19,305	17958
Date of		
Last Survey	n/a	AUGUST ZODS / JUly 2007 TWDB
Last Survey Performed by		TWOR
Total Drainage		
_ <del>-</del>	476	
Area (mile <sup>2</sup> )	4/6	· ·
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	
Dam Type	earthfill	<i>\</i>
Top of Dam Elevation		
· (feet)	465	464,5
Dam Length		/
(feet)	28,072	V
Dam Height		
(feet)	95	78,5
Top Width	33	V / -
	20 to 46 ft	30
(feet)	20 (0 40 1)	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
		111
Emergency Spillway Location		right abutment

		Comments
Emergency Spillway Elevation		
(feet above MSL)	450	446.2
Emergency Spillway Length	400	
(feet)	700	
(,00.)		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	134 700	at Maximum Design Water Surface
Service Spillway Type	centrolled	Compliance society, no so is a contract
Service Spillway Location	Volume 1.00	
Service Spillway Elevation		
(feet above MSL)	446	
(lost above mob)	714	
Service Spillway Length (feet)	200	
Maximum Service Spillway	/	
Discharge Capacity (cfs)		
Comments Service Spillway		
Information	controlled ogeo, 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 ets or 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	V
Daṃ		/
Central Longitude	-95.631	V
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	o	
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	

<sup>\*</sup> 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

Has your structure	had any significant n	difications since 1970?	
Yes	▼ No	Unkn	own
If so, what modifi	cations were made and	when?	
n/a			· · · · · · · · · · · · · · · · · · ·
May we contact th	e design engineer for	dditional information or for	copies of the plans?
X Yes	☐ No	Unkn	own
Design Engineer			
Do you have any r can have?	epresentative photogr	ohs which the Texas Water	Development Board
Yes Yes	X No		
Can you furnish th	em in a digital format		
Yes	X No	nla	
-	-	raphs or design information cas Water Development Boa	
Yes	☐ No	5/7	
Thank you for you	ır timel		

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

Please nute \* Changes

	7 Charage	Comments
Name	Casa Blanca Lake	Continents
Impoundment Name		
Dam Name	Country Club Dam	
		·
Owner	Webb County	
Contact Person	Tomas M. Rodriguez, JrX	change to Fitzgereldo G. Sanchez, +
Telephone	956-523-4055	pronje to Trizgereleo G. Dane NPZ, 1
Fax	956-523-5008	
Email	trodriguez@webbcounty.com	fgsanchez @ webbcounty tx. gov
	1110 Washington St., Suite 303	19 sanchez (a wearcounty Tx, you
Address	Laredo, TX 78042	
	24,040,17,100-12	
Elevation		
of TOC (feet)	446.5	
Dead Pool Elevation (feet)	440.5	
(000)		
Original Conservation		
Pool Total Volume (acre-feet)	20,000	¥
Original Surface	20,000	
Area at TOC (acre)	4.050	•
Original Dead Pool Volume	1,656	
(acre-feet)		a cit were leave a ma
(avie-leet)		not es known
Last Survey Conservation		
Pool Total Volume (acre-feet)		not in I allo
Last Survey Conservation	20,000	not available
	20.00	1 1 11
Pool Capacity (acre-feet)	<del>-20,00</del> 0	nut available
Last Survey Dead Pool	. [	
Volume (acre-feet)	n/a	
Last Survey Area at TOC		not for a
(acres)	<del>4,856</del>	not known
Date of		1 1
Last Survey	-28642	not known
Last Survey Performed by		nla
Total Drainage		
Area (mile²)	117	
Contributing Drainage	_	
Area (mile <sup>2</sup> )	(i)	•
Main Purposes	_irrigation, recreation	recreation
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	467	
Dam Length		
(feet)	5,000	
Dam Helght	5,000	
(feet)	76 (Report 126); 78 (NID 2006)	
Top Width	- 1. (MD 2000)	
(feet)	20	40 storie
Comments Dam General		40 average
Year(s) of Modifications		none
Description of Modifications		1414
Emergency Spillway Type	Limania II - I	Male I Charact
Emergency opiliway Type	*uncontrolled	Natural Channel
mergency Spillway Location	*	Near right Abutment

		Comments
Emergency Spillway Elevation		
(feet above MSL)	<del>√ 448.5</del>	- 458.6
Emergency Spillway Length		
(feet)	260	Approx 800 ft
Maximum Emergency Spillway		
Discharge Capacity (cfs)	88,373	
Service Spillway Type	-nene	Earthcut
Service Spillway Location	*	approx. 3500ft NE of Left Houtman
Service Spillway Elevation		
(feet above MSL)	<del>¥ 445</del>	446.4
   Service Spillway Length (feet)	×	approx 546 ft
Maximum Service Spillway		
Discharge Capacity (cfs)		•
Comments Service Spillway		W/ side slujes 2H to IV & 3H to IV.
Information		W/ Side stres 2H to IV & 3H to IV.
Type of Gates	none	N/S
Number of Gates		Ma
Maximum Gate Release		
Capacity (cfs)		nla
Hydropower (Y/N)	N	•
No. of Hydropower Units		na
Generation Capacity (mW)	t.	nla
Type of Outlet Works	nene	- hlas" pipe to pump house
Elevation of Outlet Works		1512
(feet above MSL)		not known VALVERIA
Discharge Capacity of Outlet		•
Works (cfs)		the 8" pipe capacity not known
Elevation of Water Supply		111
Outlet (in Dam)		not known n/a
Discharge Capacity of Water		nla
Supply Outlet in Dam (cfs)		
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)	O	

,

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)		nla .	
Type of Use, Non- Consumptive Diversion	0	nla .	
Type of Use, Multiple Purpose Consumptive Diversion	0	nla	
Water Right or Application Number(s)	C2744		
Permit Number(s)  Latest Amendment			
Authorized Impoundment Priority Date(s)	20,000 07/20/1970	•	
Hazard Classification	High		

<sup>\*</sup> 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 bam

#### **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.

This question is also answered in the attached .pdf document. 2.

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.

Mr. Sanchez indicated that there were modifications made to the dam in 1978. What exactly were 1. these modifications?

We also wanted to verify that there is only a service spillway and no emergency spillway - is this 2. correct? And the crest of the service spillway is at elevation 446.5?

In addition, we want to make sure that one of our questions regarding the service spillway is clear. We 3.

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

This electronic mail message is intended exclusively for the individual or entity to which it is addressed. This message, together with any attachment, may contain the sender's organization's confidential and privileged information. The recipient is hereby notified to treat the information as confidential and privileged and to not disclose or use the information except as authorized by sender's organization. Any unauthorized review, printing, retention, copying, disclosure, distribution, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited. If you received this message in error, please immediately contact the sender by reply email and delete all copies of the material from any computer. Thank you for your cooperation.

# 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.

**IRRIVIN** 

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

JOHN R. CLARKE 9614 SISTEN

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

TI SHEET

#### TABLE OF CONTENTS

# Location Map

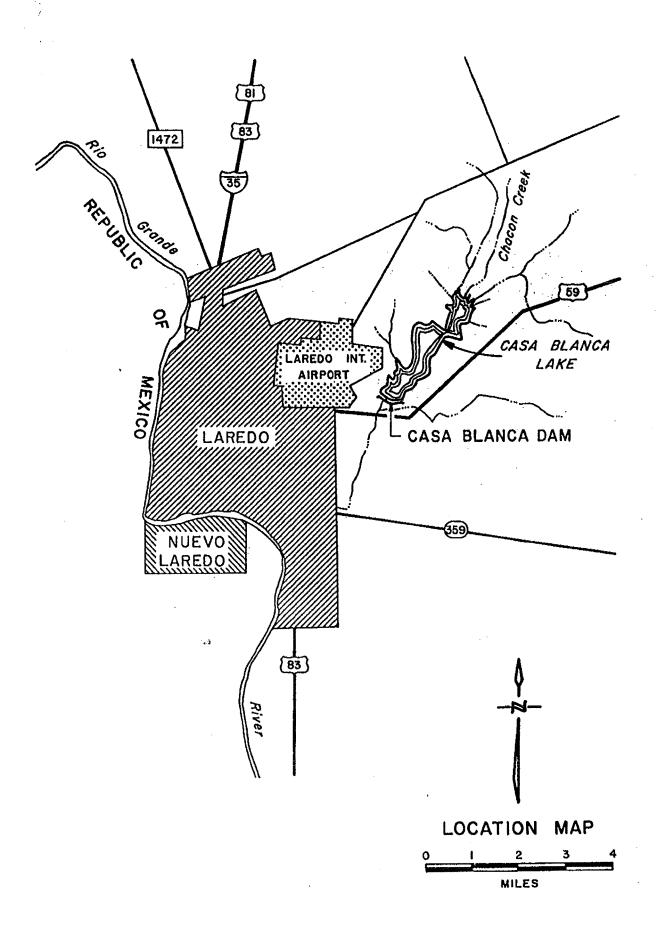
Para.		Page
No.	Description	No.
22 77	SECTION 1 - PROJECT INFORMATION	
	DECITOR I - PRODUCT INFORMATION	
1.1	General	1
a.	Authority	1
b.	Purpose of inspection	1
1.2	Description of Project	1
a.	Description of dam and appurtenances	1
b.	Location	1
c.	Size classification	1
đ.	Hazard classification	2
e.	Ownership	2
f.	Purpose of dam	2
g.	Design and construction history	2
h.	Normal operational procedures	. 3
1.3	Pertinent Data	3
a.	Drainage area	3
b.	Discharge at dam site	3
c.	Reservoir	3 .
d.	Reservoir	3
e.	Storage	4
f.	Reservoir surface	4
g.	Dam	4
h.	Diversion and regulating tunnel	4
i.	Spillways	5
j.	Regulating outlets	6
	SECTION 2 - ENGINEERING DATA	
2.1	Design	7
2.2	Construction	8
2.3	Operation	0

#### TABLE OF CONTENTS (cont'd)

Para.	Description	
2.4	Heun I sen del ma	
a.	Evaluation	8
b.	Availability Adequacy	8
c.	Validity	8
<b>G</b> •	variatcy	8
<u>.</u> .	SECTION 3 - VISUAL INSPECTION	•
3.1	Findings	9
a.	General	9
b.	Dam	9
. c.	Appurtenant structures	10
đ.	Reservoir area	11
e. `	Downstream channel	11
3.2	Evaluation	11
•	SECTION 4 - OPERATIONAL PROCEDURES	
4.1	Procedures	14
4.2	Maintenance of Dam	14
4.3	Maintenance of Operating Facilities	14
4.4	Comments on Warning System	14
4.5	Evaluation	14
	SECTION 5 - HYDRAULIC/HYDROLOGIC	
5.1	Evaluation of Features	15
a.	Design data	15
b.	Experience data	15
c.	Visual observations	15
đ.	Overtopping potential	15
	SECTION 6 - STRUCTURAL STABILITY	
6.1	Evaluation of Structural Stability	16
a.	Visual observations	16
b.	Design and construction data	16
C •	Operating records	16
d.	Post-construction changes	16
e.	Seismic stability	16

# TABLE OF CONTENTS (cont'd)

Para.	·	Page	
No.	Description	No.	
	SECTION 7 - ASSESSMENT/REMEDIAL MEASURES	•	
7.1	Dam Assessment	18	
a.	Safety	18	
b.	Adequacy of information	18	
c.	Urgency	18	
đ.	Necessity for Phase II	18	
7.2	Remedial Measures	18	
a.	Alternatives	18	
b.	Operation and maintenance procedures	18	
	. procedures	70	
•	APPENDICES		•
Appendix		:	:
No.	Dogganiaki	Page	(Marin)
2100	Description	No.	制架
A	Engineering Data	21	:
В	Photographs	21 A-17	;
C	Construction Plans	A-17 A-51	•
	· · · · · · · · · · · · · · · · · · ·	, M-JI	
	FIGURES		
Figure			
No.		Page	
1101	<u>Description</u>	No.	
1	Plan view of Casa Blanca Dam with		
	photo locations	<b>.</b> -	
2	Plan view of service spillway with	12	
	photo locations	12	



#### 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. <u>Purpose of inspection</u>. 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. <u>Description of dam and appurtenances</u>. 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.

diadia

- d. <u>Hazard classification</u>. 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.

idini sili

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. <u>Drainage area</u>. The drainage area is 116.55 square miles.
- b. <u>Discharge at damsite</u>. Streamflow data for Casa Blanca Dam are not available.

HIMH

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

# c. Elevation (feet above MSL).

spillway crest

Top of dam	467.00
Maximum pool PMF	461.9
Maximum pool design sur- charge	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	4.47

e. Storage (acre-feet).

Top of dam 77,800

Maximum pool PMF 58,600

Service spillway crest 20,000

elevation

f. Reservoir Surface (acres).

Top of dam 4,100

Maximum pool PMF 3,450 elevation

Service spillway crest 1,680

`elevation

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 None

tunnel.

### i. Spillways.

#### (1) Service spillway.

Туре

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

arnes N. Earle

Decker Cruk

Has your structure ha	ad any significant modificat	ions since 1970?
Yes	DNo	Unknown
If so, what modificat	ions were made and when?	
May we contact the o	lesign engineer for addition	al information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer		·····
Do you have any rep can have?	resentative photographs wh	ich the Texas Water Development Board
Yes	□ No Ref	. Freese & Nichols, INC port # AUS 00383
Can you furnish then		
Yes	L No	
-	sion to share photographs o archives with the Texas Wa	r design information on your dam in the ter Development Board?
Yes	☐ No	
Thank you for your t	ime!	

		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	554.5	
of TOC (feet)	555.0	Change & to 556, 5 Dec 1996
Dead Pool Elevation (feet)		700
Original Conservation		1/0/
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	33,940	
	33,940	
Pool Capacity (acre-feet)  Last Survey Dead Pool	33,940	
Volume (acre-feet)	n/a	
Last Survey Area at TOC	Ti/a	
(acres)	1,269	
Date of	1,200	
Last Survey	n/a	
Last Survey Performed by	1110	
Total Drainage		
Area (mile <sup>2</sup> )	9	
Contributing Drainage	9	
Area (mile <sup>2</sup> )		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation	Gaithin	
(feet)	563	
Dam Length	503	
(feet)	6,390	
Dam Height	3,000	
(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	······à

Let vice

gates 2 45'x75'

		<u> </u>
		Comments
Emergency Spillway Elevation		
(feet above MSL)	( 530	
Emergency Spillway Length		Service rationalities
(feet)	( 90	) Service move gran
		*
Maximum Emergency Spillway		
Discharge Capacity (cfs)	34,467	
Service Spillway Type	controlleto	
Service Spillway Location	center of	dom
Service Spillway Elevation		and the second s
(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	o	
Water Right or Application		
Number(s)	C5489	
Permit Number(s)		
Latest Amendment	Α	
Authorized Impoundment	33,940	
Priority Date(s)	08/20/1945	
Hazard Classification	High	

<sup>\*</sup> 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 COMMISSIONERAS

FILM CODE

0.0005524.1.2,8 Selly spieces to



# CERTIFICATE OF ADJUDICATION Mamie M. Bleck: Action One Glerk Texas Natural Resolutes Conservation Commission CERTIFICATE NO. 14-5489A AMENDMENT TO

COUNTY OF TRAVIS

I hereby certify that this is a true and correct copy of a Galas Natural Resource Conservation Commission document; which is filled in the permanent records in the Countries of office of Given Linder my thand and the seal of office of the country than and the seal of office of the country than and the seal of office of the country than and the seal of office of the country than and the seal of office of the country than and the seal of office of the country than and the country than a co

APPLICATION NO. 14-5489A the war will everybooked administration out on the constraint of the last of the last of the last of the last

Name

Compared to the second of the City of Austin, Water and

Wastewater Utility

Address

PO Box 1088

Austin, Texas 78767

Filed

the state of the state of : April 15, 1996 

Granted -

6 1996

County

Travis

Priority Date:

Watershed:

February 23, 1965

Colorado River Basin

Watercourse:

Decker Creek, tributary of

Gilliland Creek, tributary of

the Colorado River

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

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

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, 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, 5 Water and Wastewater Utility subject to the following terms and conditions: REAL PROPERTY SECT

REAL PROPERTY RECORDS Travis County, Texas

7120

BRA Edits

		BRA Edits
Name	Granbury, Lake	
Other Name(s)		
Impoundment Name		
Dam Name	De Cordova Bend Dam	
Name Source		
Name Comments	V	
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	Phil Ford
Contact Person	Terry Lopas	254-761-3100
Telephone	<del>254-761-3181</del> <del>254-761-3205</del>	234-101-3100
Fax	tlopas@brazos.org	pford@brazos.org
Email 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-	155000	153,500
feet) Original Surface		
Area at TOC (acre)	8700	
Original Dead Pool Volume		
(acre-feet)		
Year Construction	D 45 4000	
Started	December 15, 1966	
Year of	1969	
Completion	September 15, 1969	'
Year Impoundment Began		
Source Original Information	Report 126	
Comments Original		A SECOND STATE AND THE AND THE SECOND STATE OF THE SECOND
Information	JJR: Top of Gates: elevation 693.0 ft; Spillway Cre	est: elevation 658.0 ft, capacity 15,440 ac-ft, area 1,300 acres; Streambed elevation 622.5
Last Survey Conservation		
Pool Total Volume (acre-	129011	
feet) Last Survey Conservation	123011	
Pool Capacity (acre-feet)	128803	129,011
Last Survey Dead Pool		
Volume (acre-feet)	965	
Last Survey Area at TOC		
(acres)	7945	
Date of		
1	IntOS	
Last Survey	Jul-08	
Last Survey Last Survey Performed by	TWOB	
Last Survey Last Survey Performed by Source Last Survey		
Last Survey Last Survey Performed by	TWOB	Jul-03
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys	TWOB	Jul-03
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to	TWOB	Jul-03
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage	TWOB	Jul-03
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage	TWDB Volumetric Survey of Lake Granbury, 2005	Jul-03 Elevations are BRA datum.
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²)	TWOB	Jul-03 Elevations are BRA datum.
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage	TWDB Volumetric Survey of Lake Granbury, 2005  25679	Jul-03 Elevations are BRA datum.
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²)	TWDB Volumetric Survey of Lake Granbury, 2005  25679	Jul-03 Elevations are BRA datum.
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451  NID 2006, Report 126 9 240 square miles is probably not contributing	Jul-03 Elevations are BRA datum.
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Comments Drainage Area	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451  NID 2006, Report 126 9 240 square miles is probably not contributing	Jul-03 Elevations are BRA datum.  16,113
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey 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	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126	Jul-03 Elevations are BRA datum.  16,113
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Comments Drainage Area Comments Drainage Area	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey 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)	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451  NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, industrila, Mining	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey 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	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451  NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity  706.5	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Comments Drainage Area Comments Drainage Area Dam Type Top of Dam Elevation (feet) Dam Length (feet)	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey 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	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451  NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity  706.5	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Comments Drainage Area Comments Drainage Area Top of Dam Elevation (feet) Dam Length (feet) Dam Height (feet)	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451  NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity  706.5	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Comments Drainage Area Comments Drainage Area Dam Type Top of Dam Elevation (feet) Dam Length (feet) Dam Height (feet) Top Width	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity  706.5	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Comments Drainage Area Comments Drainage Area Dam Type Top of Dam Elevation (feet) Dam Length (feet) Dam Height (feet) Top Width (feet) Source Dam General	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity  706.5	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey 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	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, industrila, Mining gravity  706.5	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Comments Drainage Area Comments Drainage Area Dam Type Top of Dam Elevation (feet) Dam Length (feet) Dam Height (feet) Top Width (feet) Source Dam General	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity  706.5	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section
Last Survey Last Survey Performed by Source Last Survey Comments Last Survey 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	TWDB Volumetric Survey of Lake Granbury, 2005  25679  15451 NID 2006, Report 126 9,240 square miles is probably not contributing water supply, irrigation, Industrila, Mining gravity  706.5 2200 84 NID 2006, Report 126 Ambursen-type concrete and earthfill	Jul-03  Elevations are BRA datum.  16,113  Industrial  Earthfill gravity with slab-and-buttress (ie Ambursen) spillway section

Source Modifications		
Comments Modifications		
	none	
	HORE	
Emergency Spillway		
Location		none
Emergency Spillway		
Elevation (feet above MSL)		none
Emergency Spillway Length		
		none
(feet)		Holle
Maximum Emergency		
Spillway Discharge Capacity		
(cfs)		none
Source Emergency Spillway		
Information		none
Comments Emergency		nono
Spillway Information		none
	controlled	
Service Spillway Location	center of dam	
0		
Service Spillway Elevation		
(feet above MSL)	658	
Service Spillway Length		
• • •	576	
(feet)	3/0	
Maximum Service Spillway		
Discharge Capacity (cfs)	635000	
Source Service Spillway		
	NID 2006, Report 126	
	THE ECCO, TOPOIL TEC	
Comments Service Spillway	O to a stalled a security 40 nation 20v25 9	
Information	Gate-controlled ogee weir, 16 gates 36x35 ft.	
Type of Gates	tainter(radial)	
Number of Gates	16	
Maximum Gate Release		
Capacity (cfs)		
	NID 2006, Report 126	
Source Gates	15 tainter 1 slide	
Comments Gates		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Source Hydropower	NID 2006	
Comments Hydropower		• .
	slide(sluice)	
Type of Outlet Works	side(sidice)	
Elevation of Outlet Works	000 10401	SEOR and SAO ft above mel
(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 msi
Oddet (ni Dain)		
Discharge Capacity of Water		
Supply Outlet in Dam (cfs)		754, 762, and 25 at 693 ft above msl
		754, 762, and 25 at 655 it above insi
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
	DB07	Brazos River Authority
Source Yield	DB04	DIAZOS MIVEI Authority
Comments Yield		
River Basin	Brazos	
Stream	Brazos River	
County	Hood	
Nearest town	Granbury	
(vegiest town		1
Dint f		1
Distance from	2	
Distance from Nearest Town (miles)	8	
Nearest Town (miles)		
Nearest Town (miles) Direction from Nearest Town	SE	
Nearest Town (miles) Direction from Nearest Town Source Location		
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location	SE	
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location Water	SE SE in Google Mapse	Beauco C
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location Water Planning Region	SE	Brazos G
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location Water	SE SE in Google Mapse G	Brazos G
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location Water Planning Region	SE SE in Google Mapse	Brazos G
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location Water Planning Region Dam Central Latitude	SE SE in Google Mapse G	Brazos G
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location Water Planning Region Dam Central Latitude Dam	SE SE in Google Mapse G 32,3733	Brazos G
Nearest Town (miles) Direction from Nearest Town Source Location Comments Location Water Planning Region Dam Central Latitude	SE SE in Google Mapse G	Brazos G

Upstream USGS Gauge Name(s) Upstream USGS Gauge Name(s) Down Stream USGS Gauge Number(s) Down Stream USGS Gauge Names(s) Reservoir USGS Gauge Names(s) Reservoir USGS Gauge Names(s) Reservoir USGS Gauge Name Name Source USGS Gauge Data Comments USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac-FEVY) Authorized Industrial Consumptive Diversion (Ac-FEVY) Authorized Industrial Consumptive Diversion (Ac-FEVY) Authorized Mining Consumptive Diversion (Ac-FEVY) Authorized Mining Consumptive Diversion (Ac-FEVY) Authorized Mining Consumptive Diversion (Ac-FEVY) Authorized Other Consumptive Diversion (Ac-FEVY) Total Authorized Other Consumptive Diversion (Ac-FEVY) Type of Use, Non-Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA of P) Water Right Type (CA of P) Water Right Type (CA of P) User Son (CA of P) Water Right Type (CA of P) Water Right Type (CA of P) User Son (CA of P) Water Right Type (CA of P) W		}	
Upstream USGS Gauge Number(s) 080910000 08091000 08091000 08091000 08091000 08091000 08091000 080910000 08091000 08091000 08091000 08091000 08091000 08091000 080910000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 080910000 08091000 08091000 08091000 08091000 08091000 08091000 0809100000 08091000 08091000 08091000 08091000 08091000 08091000 080910000 08091000 08091000 08091000 08091000 08091000 08091000 080910000 08091000 08091000 08091000 08091000 08091000 08091000 080910000 08091000 08091000 08091000 08091000 080910000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000 08091000			
Name(s) Down Stream USG Sauge Number(s) Down Stream USG Sauge Names(s) Reservoir USGS Gauge Reservoir USGS Gauge Name Source USGS Gauge Name Source USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FUYY) Authorized Industrial Consumptive Diversion (Ac- FUYY) Authorized Mining Consumptive Diversion (Ac- FUYY) Authorized Chier Consumptive Diversion (Ac- FUYY) Authorized Chier Consumptive Diversion (Ac- FUYY) Total Authorized Consumptive Diversion (Ac- FUYY) Total Authorized Consumptive Diversion (Ac- FUYY) Total Authorized Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right or Application Number(s) Lates Granbury, Tex.  64712		08090800	
Down Stream USGS Gauge Namesel's Reservoir USGS Gauge Reservoir USGS Gauge Namesel's Reservoir USGS Gauge Namesel's Source USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FLYY) Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Diversion (Ac- FLYY) Authorized Diversion (Ac- FLYY) Authorized Diversion (Ac- FLYY) Authorized Domestic & Livestock Consumptive Diversion (Ac- FLYY) Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Cher Consumptive Diversion (Ac- FLYY)  Authorized Industrial, Irrigation, Mining  Municipal, Industrial, Irrigation, Mining  Municipa		Prazos Piver near Dennis Tex	
Number(s) 08091000 Down Stream USGS Gauge Names(s) Reservoir USGS Gauge Number Reservoir USGS Gauge Data Comments USGS Gauge Data Comments USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FLYY) Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Infustrial Consumptive Diversion (Ac- FLYY) Authorized Infustrial Consumptive Diversion (Ac- FLYY) Authorized Infustrial Consumptive Diversion (Ac- FLYY) Authorized Mining Consumptive Diversion (Ac- FLYY) Authorized Chier Consumptive Diversion (Ac- FLYY) Authorized Chier Consumptive Diversion (Ac- FLYY) Total Authorized Chier Consumptive Diversion (Ac- FLYY) Total Authorized Chier Consumptive Diversion (Ac- FLYY) Total Chier Consumptive Diversion (Ac- FLYY) Total Non Consumptive Use (Ac-FLYY) Type of Use, Multiple Purpose Consumptive Diversion Water Right or Application Number(s) Lates Granbury, Tex.  84712  64712		Biazos Nivel fical Definio, Tox.	
Down Stream USGS Gauge Names(s) Reservoir USGS Gauge Number Reservoir USGS Gauge Name Source USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FLYY) Authorized Mulcipal Consumptive Diversion (Ac- FLYY) Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Mining Consumptive Diversion (Ac- FLYY) Authorized Domestic & Livestock Consumptive Diversion (Ac-FLYY) Total Authorized Other Consumptive Diversion (Ac- FLYY) Total Authorized Other Consumptive Diversion (Ac- FLYY) Total Authorized Cher Consumptive Diversion (Ac- FLYY) Total Authorized Cher Consumptive Diversion (Ac- FLYY) Total Authorized Cher Consumptive Diversion (Ac- FLYY) Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) CA Water Right Type (CA or P) Permit Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point ID for Dam		08091000	
Reservoir USGS Gauge Number Reservoir USGS Gauge Name Source USGS Gauge Data Comments USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FLYr) Authorized Mulcipal Consumptive Diversion (Ac- FLYr) Authorized Industrial Consumptive Diversion (Ac- FLYr) Authorized Mining Consumptive Diversion (Ac- FLYr) Authorized Mining Consumptive Diversion (Ac- FLYr) Authorized Consumptive Diversion (Ac-FLYr) Authorized Consumptive Diversion (Ac-FLYr) Authorized Consumptive Diversion (Ac-FLYr)  Total Authorized Consumptive Diversion (Ac- FLYr) Total Authorized Consumptive Diversion (Ac- FLYr) Type of Use, Non- Consumptive Diversion Type of Use, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) Water Right Type (CA or P) Water Right Type (CA or P)  Water Right Type (CA or P) Source Water Rights Information Comments Water			
Reservoir USGS Gauge Name Reservoir USGS Gauge Name Source USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FLYY) Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Irrigation Consumptive Diversion (Ac- FLYY) Authorized Irrigation Consumptive Diversion (Ac- FLYY) Authorized Omestic & Livestock Consumptive Diversion (Ac- FLYY) Authorized Omesti		Brazos River near Glen Rose, Tex.	
Reservoir USGS Gauge bat Lake Granbury near Granbury, Tex.  Source USGS Gauge bat 1999 Index of Stations  Comments USGS Gauge bat 1999 Index of Stations  Authorized Multiple Purpose Consumptive Diversion (Ac-Fuyr)  Authorized Industrial Consumptive Diversion (Ac-Fuyr)  Authorized Omestic & Livestock Consumptive Diversion (Ac-Fuyr)  Authorized Other Consumptive Diversion (Ac-Fuyr)  Total Authorized Consumptive Diversion (Ac-Fuyr)  Total Authorized Consumptive Diversion (Ac-Fuyr)  Type of Use, Non-Consumptive Diversion Type or Use, Multiple Purpose Consumptive Diversion  Water Right Type (CA or P)  Latest Amendment A  Authorized Impoundment Prointly Date(s)  Source Water Rights Information  Comments Water Rights Information  Comments Water Rights Information  WAM Reservoir ID  WAM Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam  Other Associated WAM  Control Point ID or Dam			
Name Lake Cranbury near Granbury, Tex.  Source USGS Gauge bata 1999 Index of Stations  Comments USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (AcFryr) 64712  Authorized Multiple Diversion (AcFryr) 64712  Authorized Industrial Consumptive Diversion (AcFryr) Authorized Industrial Consumptive Diversion (AcFryr) Authorized Mining Consumptive Diversion (AcFryr) Authorized Omestic & Livestock Consumptive Diversion (AcFryr) Total Authorized Omestic & Livestock Consumptive Diversion (AcFryr) Total Authorized Consumptive Diversion (AcFryr) Total Non Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Municipal, Industrial, Irrigation, Mining Consumptive Diversion Consumptive Diversion Consumptive Diversion Municipal, Industrial, Irrigation, Mining Consumptive Diversion Consump	Number	08090900	
Source USGS Gauge Data Comments USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FUYr) Authorized Multiple Consumptive Diversion (Ac- FUYr) Authorized Industrial Consumptive Diversion (Ac- FUYr) Authorized Irrigation Consumptive Diversion (Ac- FUYr) Authorized Mining Consumptive Diversion (Ac- FUYr) Authorized Mining Consumptive Diversion (Ac- FUYr) Authorized Domestic & Livestock Consumptive Diversion (Ac-FUYr) Total Authorized Consumptive Diversion (Ac- FUYr) Total Authorized Consumptive Diversion (Ac- FUYr) Total Authorized Consumptive Diversion (Ac- FUYr) Total Non Consumptive Use (Ac-FUYr) Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) Water Right Type (CA or P) Authorized Impoundment Priority Date(s) Permit Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information WAM Reservoir ID WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point ID for Dam	Reservoir USGS Gauge		
Comments USGS Gauge Data Authorized Multiple Purpose Consumptive Diversion (Ac- FVYr) Authorized Municipal Consumptive Diversion (Ac- FVYr) Authorized Industrial Consumptive Diversion (Ac- FVYr) Authorized Irrigation Consumptive Diversion (Ac- FVYr) Authorized Office Consumptive Diversion (Ac- FVYr) Authorized Domestic & Livestock Consumptive Diversion (Ac-FVYr) Authorized Cher Consumptive Diversion (Ac- FVYr) Total Authorized Consumptive Diversion (Ac- FVYr) Total Authorized Consumptive Diversion (Ac- FVYr) Type of Use, Multiple Purpose Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right or Application Number(s) Permit Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Infor		Lake Granbury near Granbury, 1ex.	
Authorized Multiple Purpose Consumptive Diversion (Ac- FUYr) Authorized Municipal Consumptive Diversion (Ac- FUYr) Authorized Industrial Consumptive Diversion (Ac- FUYr) Authorized Irrigation Consumptive Diversion (Ac- FUYr) Authorized Mining Consumptive Diversion (Ac- FUYr) Authorized Mining Consumptive Diversion (Ac- FUYr) Authorized Obmestic & Livestock Consumptive Diversion (Ac- FUYr) Authorized Obmestic & Livestock Consumptive Diversion (Ac- FUYr) Authorized Ober Consumptive Diversion (Ac- FUYr) Authorized Ober Consumptive Diversion (Ac- FUYr) Total Authorized Consumptive Diversion (Ac- FUYr) Type of Use, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion  Water Right or Application Number(s) Permit Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information WAMR Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point ID for Dam		1999 Index of Stations	
Authorized Multiple Purpose Consumptive Diversion (Ac- FUYr) Authorized Industrial Consumptive Diversion (Ac- FUYr) Authorized Irrigation Consumptive Diversion (Ac- FUYr) Authorized Irrigation Consumptive Diversion (Ac- FUYr) Authorized Ownestic & Livestock Consumptive Diversion (Ac- FUYr) Authorized Obersic & Livestock Consumptive Diversion (Ac- FUYr) Authorized Obersion (Ac- FUYr) Authorized Obersion (Ac- FUYr) Authorized Obersion (Ac- FUYr) Total Authorized Consumptive Diversion (Ac- FUYr) Total Non Consumptive Use (Ac-FUYr) Type of Use, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) CA  Water Right or Application Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information Comments Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point ID for Dam	_		
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) Authorized Mining Consumptive Diversion (Ac-Ft/Yr) Authorized Obmestic & Livestock Consumptive Diversion (Ac-Ft/Yr) Authorized Obmestic & Livestock Consumptive Diversion (Ac-Ft/Yr) Authorized Obmestic & Livestock Consumptive Diversion (Ac-Ft/Yr) Authorized Consumptive Diversion (Ac-Ft/Yr) Total Nan Consumptive Use (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 or Application Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information WAMR Reservoir ID WAMR Control Point ID for Jam Other Associated WAMC Control Point ID for Jam Other Assoc			
Authorized Industrial Consumptive Diversion (Ac- Fi/Yr) Authorized Industrial Consumptive Diversion (Ac- Fi/Yr) Authorized Irrigation Consumptive Diversion (Ac- Fi/Yr) Authorized Mining Consumptive Diversion (Ac- Fi/Yr) Authorized Office Consumptive Diversion (Ac- Fi/Yr) Authorized Office Consumptive Diversion (Ac- Fi/Yr) Total Authorized Consumptive Diversion (Ac- Fi/Yr) Total Authorized Consumptive Diversion (Ac- Fi/Yr) Total Non Consumptive Use (Ac-Fi/Yr) Type of Use, Multiple Purpose Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion  Water Right Type (CA or P)  Water Right Type (CA or P)  Water Right or Application 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 W			
Authorized Municipal Consumptive Diversion (Ac- Fi/Yr) Authorized Industrial Consumptive Diversion (Ac- Fi/Yr) Authorized Irrigation Consumptive Diversion (Ac- Fi/Yr) Authorized Mining Consumptive Diversion (Ac- Fi/Yr) Authorized Domestic & Livestock Consumptive Diversion (Ac-Fi/Yr) Authorized Other Consumptive Diversion (Ac- Fi/Yr) Total Authorized Consumptive Diversion (Ac- Fi/Yr) Total Non Consumptive Use (Ac-Fi/Yr) Type of Use, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion  Water Right Type (CA or P) Water Right Type (CA or P) Water Right Type (CA or P) CA Water Right Type (CA or P) Water Right Type (CA or P) CA Cat 12-5156 E E 155,000 acre-feet Diversion Comments Water Rights Information Comments Water Rights Information Comments Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point ID s		64712	
Consumptive Diversion (Ac-FUYr) Authorized Industrial Consumptive Diversion (Ac-FUYr) Authorized Mining Consumptive Diversion (Ac-FUYr) Authorized Domestic & Livestock Consumptive Diversion (Ac-FUYr) Authorized Other Consumptive Diversion (Ac-FUYr) Total Authorized Consumptive Diversion (Ac-FUYr) Total Authorized Consumptive Diversion (Ac-FUYr) Total Authorized Consumptive Diversion (Ac-FUYr) Type of Use, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion  Water Right Type (CA or P) Water Right Type (CA or P) Water Right or Application Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information  Comments Water Rights Information  WAM Reservoir ID WAM Control Point ID fo Dam  Other Associated WAM Control Point ID fo Dam  Other Associated WAM Control Point ID fo Dam  Other Associated WAM Control Point ID fo Dam	Authorized Municipal		
Authorized Industrial Consumptive Diversion (Ac- FLYY) Authorized Wining Consumptive Diversion (Ac- FLYY) Authorized Mining Consumptive Diversion (Ac- FLYY) Authorized Consumptive Diversion (Ac-FLYY) Authorized Other Consumptive Diversion (Ac- FLYY) Total Authorized Consumptive Diversion (Ac- FLYY) Total Authorized Consumptive Use (Ac-FLYY) Type of Use, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) Water Right Type (CA or P) CA Water Right Type (CA or P) Water Right Type (CA or P) CA 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 ID S	Consumptive Diversion (Ac-		
Consumptive Diversion (Ac-Fuyr) Authorized Irrigation Consumptive Diversion (Ac-Fuyr) Authorized Mining Consumptive Diversion (Ac-Fuyr) Authorized Domestic & Livestock Consumptive Diversion (Ac-Fuyr) Authorized Other Consumptive Diversion (Ac-Fuyr) Total Authorized Consumptive Diversion (Ac-Fuyr) Total Non Consumptive Use (Ac-Fuyr) Type of Use, Non-Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) Water Right Type (CA or P) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Can Read Water Right	Ft/Yr)		
FIVY) Authorized Irrigation Consumptive Diversion (Ac- FIVY) Authorized Mining Consumptive Diversion (Ac- FIVY) Authorized Domestic & Livestock Consumptive Diversion (Ac-FIVY) Authorized Other Consumptive Diversion (Ac- FIVY) Total Authorized Consumptive Diversion (Ac- FIVY) Total Authorized Consumptive Diversion (Ac- FIVY) Total Non Consumptive Use (Ac-FIVY) Type of Use, Non- Consumptive Diversion Type of Use, Non- Consumptive Diversion Water Right Type (CA or P) 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			
Authorized Irrigation Consumptive Diversion (Ac- FLYYr) Authorized Mining Consumptive Diversion (Ac- FLYYr) Authorized Comestic & Livestock Consumptive Diversion (Ac-FLYYr) Authorized Other Consumptive Diversion (Ac- FLYYr) Total Authorized Consumptive Diversion (Ac- FLYYr) Total Non Consumptive Use (Ac-FLYYr) 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 WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs  Authorized Mining Consumptive Diversion Authorized Impoundment CEQ Database CRNBRY Sharing Action Action Sharing Consumptive Authorized Impoundment CEQ Database Source Water Rights Information GRNBRY Sharing Action Action Consumptive Authorized Impoundment CEQ Database CRNBRY Sharing Action Action Consumptive Consumptive CEQ Database CRNBRY Sharing CEQ Database CRNBRY Sharing CEQ Database CRNBRY Sharing CEQ Database CRNBRY Sharing CEQ Database CEQ Database CERNBRY Sharing CEQ Database CERNBRY			
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) Total Non Consumptive Use (Ac-Ft/Yr) Type of Use, Non-Consumptive Diversion Type of Use, Non-Consumptive Diversion Type of Use, Multiple Purpose Consumptive Purpose Consumptive Diversion Water Right Type (CA or P) 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  Authorized Obersion Consumptive Diversion  CA CA 12-5156 E 155,000 acre-feet			
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) 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) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs  Authorized Impoundment Alic Did not included Water Rights 4114, 4062, ar Other Associated WAM Control Point IDs			
Authorized Mining Consumptive Diversion (Ac- Fi/Yr) Authorized Domestic & Livestock Consumptive Diversion (Ac-Fiyr) Authorized Other Consumptive Diversion (Ac- Fi/Yr) Total Authorized Consumptive Diversion (Ac- Fi/Yr) Total Non Consumptive Use (Ac-Fi/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) 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			
Consumptive Diversion (Ac-Ft/Yr) Authorized Obmestic & 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, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) Water Right or Application Number(s) Latest Amendment Authorized C5156 Permit Number(s) Latest Amendment 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  CS1561  RAI: Did not included Water Rights 4114, 4062, ar GRNBRY  WAM Control Point ID for Dam Other Associated WAM Control Point IDs			
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 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 Comments Water Rights (GRNBRY WAM Control Point ID for Dam Other Associated WAM Control Point IDs	Consumptive Diversion (Ac-		
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 Type (CA or P) CA  Water Right or Application Number(s) Permit Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information RAI: Did not included Water Rights 4114, 4062, ar WAM Reservoir ID GRNBRY WAM Control Point ID for Dam Other Associated WAM Control Point IDs			
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 Water Rights Information Correction Corre			
Authorized Other Consumptive Diversion (Ac- FtVr) Total Authorized Consumptive Diversion (Ac- FtVr) Total Non Consumptive Use (Ac-FtVr) Type of Use, Non- Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) Water Right Type (CA or P) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs			
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 Type (CA or P) Consumptive Diversion Water Right or Application Number(s) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information Water Rights Information RAI: Did not included Water Rights 4114, 4062, ar BRA did not research these water rights Other Associated WAM Control Point IDs			
Total Authorized Consumptive Diversion (Ac-FtVr)  Total Non Consumptive Use (Ac-FtVr)  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) Latest Amendment Priority Date(s) Source Water Rights Information Comments Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs  64712			
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) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs  64712  6471  64			
Consumptive Diversion (Ac-FtVr)  Total Non Consumptive Use (Ac-FtVr)  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) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information Water Rights Information Comments Water Rights Information Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs			
Total Non Consumptive Use (Ac-FtYr) 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	Consumptive Diversion (Ac-	0.474.0	
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) Latest Amendment Authorized Impoundment Priority Date(s) Source Water Rights Information Comments Water Rights Information Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs			
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) Latest Amendment Priority Date(s) Source Water Rights Information Comments Water Right			
Consumptive Diversion Type of Use, Multiple Purpose Consumptive Diversion Water Right Type (CA or P) Water Right or Application Number(s) Latest Amendment 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  Municipal, Industrial, Irrigation, Mining  CA  CA 12-5156  E 155,000 acre-feet  155000  CA  E 155,000 acre-feet  BRA did not research these water rights BRA did not research these water rights			
Type of Use, Multiple Purpose Consumptive Diversion Municipal, Industrial, Irrigation, Mining  Water Right Type (CA or P)  Water Right or Application Number(s)  Latest Amendment A  Authorized Impoundment Priority Date(s)  Source Water Rights Information Comments Water Rights Information WAM Reservoir ID  WAM Reservoir ID  Wam Control Point ID for Dam  Other Associated WAM Control Point IDs	Consumptive Diversion		
Purpose Consumptive Diversion  Water Right Type (CA or P) Water Right Type (CA or P) CA  Water Right or Application 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  Municipal, Industrial, Irrigation, Mining CA CA 12-5156  E 155,000 acre-feet and CA 12-5156  BRA did not research these water rights BRA did not research these water rights Control Point ID for Dam Other Associated WAM Control Point IDs	Type of Use, Multiple		
Water Right Type (CA or P)  Water Right or Application Number(s)  Permit Number(s)  Latest Amendment 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  C5156  CA 12-5156  E 155,000 acre-feet  TCEQ Database and CA 12-5156  BRA did not research these water rights  BRA did not research these water rights	Purpose Consumptive		
Water Right or Application Number(s)  Latest Amendment Priority Date(s) Source Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Control Point IDs  C5156  CA 12-5156  E 155,000 acre-feet  155,000 acre-feet  and CA 12-5156  BRA did not research these water rights BRA did not research these water rights	Diversion	Municipal, Industrial, Irrigation, Mining	
Water Right or Application Number(s)  Latest Amendment Priority Date(s) Source Water Rights Information Comments Water Rights Information WAM Reservoir ID WAM Control Point ID for Dam Control Point IDs  C5156  CA 12-5156  E 155,000 acre-feet  155,000 acre-feet  and CA 12-5156  BRA did not research these water rights BRA did not research these water rights	Water Right Type (CA or P)	CA	
Number(s) C5156 CA 12-5156  Permit Number(s) E Latest Amendment A Authorized Impoundment 155000 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 WAM Reservoir ID GRNBRY  WAM Control Point ID for Dam 515631  Other Associated WAM Control Point IDs	75, 4 - 2 X 2 K P 1885 (6 - 1985 ) - 1 - 1 - 1		
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  E 155,000 acre-feet		C5156	CA 12-5156
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  E 155,000 acre-feet 155,000 acre-feet  and CA 12-5156 BRA did not research these water rights BRA did not research these water rights			
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  WAM Reservoir ID GRNBRY  WAM Control Point ID for Dam 515631  Other Associated WAM Control Point IDs		A	L
Source Water Rights Information Comments Water Rights Information RAI: Did not included Water Rights 4114, 4062, ar WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs	Authorized Impoundment		155,000 acre-teet
Information TCEQ Database and CA 12-5156  Comments Water Rights Information RAI: Did not included Water Rights 4114, 4062, and Water Rights 4114, 4062, and CA 12-5156  WAM Reservoir ID GRNBRY  WAM Control Point ID for Dam 515631  Other Associated WAM Control Point IDs		02/13/1964	
Comments Water Rights Information RAI: Did not included Water Rights 4114, 4062, ar WAM Reservoir ID WAM Control Point ID for Dam Other Associated WAM Control Point IDs		TCEO Detabase	and CA 12-5156
Information RAI: Did not included Water Rights 4114, 4062, and WAM Reservoir ID GRNBRY  WAM Control Point ID for Dam 515631  Other Associated WAM Control Point IDs	Information		
WAM Reservoir ID GRNBRY WAM Control Point ID for Dam 515631 Other Associated WAM Control Point IDs	information	RAI: Did not included Water Rights 4114, 4062, ar	BRA did not research these water rights
WAM Control Point ID for Dam 515631 Other Associated WAM Control Point IDs			
Dam 515631 Other Associated WAM Control Point IDs			
Control Point IDs	Dam	515631	
Hazaro Kating High		I liab	
	Hazard Rating	angii	3

De Cordova Bend Dom ( Lake Grandburg)

Has your structure had any	significant modifications sinc	e 1970?
Yes Yes	☐ No	Unknown
If so, what modifications w		h Spillway gote.
May we contact the design	engineer for additional inform	nation or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer HOR		
Do you have any representa can have?	ntive photographs which the T	exas Water Development Board
Yes	□ No	
Can you furnish them in a c	ligital format?	
≥ Yes ppohably	☐ No	
	share photographs or design es with the Texas Water Deve	information on your dam in the lopment Board?
Yes Yes	☐ No	
Thank you for your time!		

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 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

		BRA Edits
Nama	Granbury, Lake	DIA Luito
Name Other Name(s)	Grandury, Lake	
Impoundment Name		
Dam Name	De Cordova Bend Dam	
Name Source	De Cordova Bend Bani	
Name Comments		
In Report 126? (Y or N)	Y	
Jpdated 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	
<b>Construction Comments</b>		
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-	455000	153,500
feet)	155000	133,300
Original Surface	0700	
Area at TOC (acre)	8700	
Original Dead Pool Volume		
(acre-feet)		
Year Construction	December 15, 1066	
Started	December 15, 1966	)
Year of	1969	
Completion	September 15, 1969	
Year Impoundment Began	September 15, 1909	
Source Original Information	Depart 126	
¥	Report 126  JJR: Top of Gates: elevation 693.0 ft; Spillway	
<b>Comments Original</b>	Crest: elevation 658.0 ft, capacity 15,440 ac-ft,	
Information	area 1,300 acres; Streambed elevation 622.5	
	area 1,300 acres, Streambed elevation 622.5	
Last Survey Conservation		
Pool Total Volume (acre-	129011	
feet) Last Survey Conservation	123011	
Pool Capacity (acre-feet)	128803	129,011
Last Survey Dead Pool	123300	
Volume (acre-feet)	965	
Last Survey Area at TOC		
(acres)	7945	5
Date of		
Last Survey	Jul-08	Jul-03
Last Survey Performed by	TWDB .	
	Volumetric Survey of Lake Granbury, 2005	

÷ .

		Elevations are PRA datum
Comments Last Survey		Elevations are BRA datum.
Other Surveys		
Source Other Surveys		
Modification(s) to		
Conservation Storage		
Total Drainage		
Area (mile²)	25679	
Contributing Drainage		
Area (mile²)	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	7,000	1998-2000
Description of Modifications		Added electric hoists to each spillway gate
Source Modifications		
Comments Modifications		
Emergency Spillway Type	none	
Emergency Spillway		
Location		none
LOCATION		
Emergency Spillway		
Elevation (feet above MSL)		none
*		HOLO
Emergency Spillway Length		nana
(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	1115 2000, 110port 120	
Information	Gate-controlled ogee weir, 16 gates 36x35 ft.	
	tainter(radial)	
Type of Gates	tainter(raulai)	

•

Number of Catan	16	
Number of Gates  Maximum Gate Release	10	
Capacity (cfs) Source Gates	NID 2006 Papart 126	
Comments Gates	NID 2006, Report 126	
Hydropower (Y/N)	N	
No. of Hydropower Units	N	
Generation Capacity (mW)		
Source Hydropower	NID 2006	· · · · · · · · · · · · · · · · · · ·
Comments Hydropower	1110 2000	
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 Grophung	
Nearest town Distance from	Granbury	
Nearest Town (miles)	8	
Direction from Nearest	0	
Town	SE	
Source Location	SE in Google Mapse	
Comments Location		
Water		
Planning Region	G	Brazos G
Dam		
Central Latitude	32.3733	
Dam		464
Central Longitude	-97.6883	
Source Lat/Long		
Upstream USGS Gauge		
Number(s)	08090800	
Upstream USGS Gauge	n m	
Name(s)	Brazos River near Dennis, Tex.	
Down Stream USGS Gauge	00004000	
Number(s)	08091000	

0		
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		
<b>Authorized Multiple Purpose</b>		
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	
Motor Digita Toma (OA - :: D)		
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	
riazaiu ratiny	111911	

		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 to Lock . CAL
		- Profit - Beautiful - Comment
Address	P.O. Box 220 Austin, TX 78767	
Elevation		
of TOC (feet)	170.0	DON'T thish this
Dead Pool Elevation (feet)		,
Zoda i coi ziovanon (roce)		I ghould every be
Original Conservation		( Tricing Coert ver
Pool Total Volume (acre-feet)	9,600	- ) tofal It by
Original Surface		1 1131 GA . It has
Area at TOC (acre)	1,200	/
Original Dead Pool Volume		10 79 Violet
(acre-feet)		
		at to aum
Last Survey Conservation		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Pool Total Volume (acre-feet)	9,600	
Last Survey Conservation		
Pool Capacity (acre-feet)	9,600	Wi A
Last Survey Dead Pool		~.4././
Volume (acre-feet)	o	
Last Survey Area at TOC		
(acres)	1,200	
Date of		
Last Survey	n/a	
Last Survey Performed by		
Total Drainage		
Area (mile <sup>2</sup> )	20	
Contributing Drainage		
Area (mile <sup>2</sup> )		
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	
Emergency opinway Location	southeast corner	

£ - 7 . . .

•

		Comments
Emergency Spillway Elevation		
(feet above MSL)		
Emergency Spillway Length	Name of the state	
(feet)		
1,000		
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	1	
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	ı	
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	

 $\frac{\partial u}{\partial x} = \frac{\partial u}{\partial x} + \frac{\partial u}{\partial x} = \frac{\partial u}{\partial x} = \frac{\partial u}{\partial x} + \frac{\partial u}{\partial x} =  

		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	٥	
Water Right or Application		<u> </u>
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	

<sup>\*</sup> 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

Has your structure	had any significant modifica	tions since 1970?
Yes	☐ No	Unknown
-	eations were made and when?	insdalled at outlet of spillway
May we contact the	e design engineer for addition	nal information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer	Freese and Michals Fo	t. Wordh, Tx
Do you have any recan have?	epresentative photographs wh	nich the Texas Water Development Board
Yes	☐ No	
Can you furnish th	em in a digital format?	
Yes Yes	☐ No	
May we have perm Freese and Nichols	nission to share photographs of archives with the Texas Wa	or design information on your dam in the ater Development Board?
Yes	☐ No	
Thank you for you	r 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	Pannie Kause
Telephone	903-656-6934	903-656-6294
Fax	903-656-7382	903-656-7464
Email	wilso <del>nj@lonestarsteel.c</del> om	JRRousec uss.com
	6866 Highway 259 South,	
	P.O. Box 1000 Lone Star,	οK
Address	TX 75668	
Elevation		·
of TOC (feet)	268.1	
Dead Pool Elevation (feet)		
Original Conservation	<b>.</b>	
Pool Total Volume (acre-feet)	24,700	
Original Surface		
Area at TOC (acre)	1,516	
Original Dead Pool Volume		
(acre-feet)		
Last Survey Conservation	04 700	·
Pool Total Volume (acre-feet)	24,700	
Last Survey Conservation	04 700	
Pool Capacity (acre-feet)	24,700	
Last Survey Dead Pool	7/2	
Volume (acre-feet)	n/a	
Last Survey Area at TOC	1,516	
(acres) Date of	1,510	
Last Survey	n/a	·
Last Survey Performed by	Tya	
Total Drainage		
Area (mile <sup>2</sup> )	37	
Contributing Drainage	37	
Area (mile <sup>2</sup> )		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation	Garullii	
(feet)	280	•
Dam Length	200	
(feet)	4,000	
Dam Height	48.5 (Report 126), 49 (NID	
(feet)	2006)	
Top Width	4	
(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	1500 (Report 126), 1800	
(feet)	(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	22.000	
Diversion (Ac-Ft/Yr)	23,000	
Total Non Consumptive Use		
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
T of the - Markinla Durnaga		
Type of Use, Multiple Purpose	o	
Consumptive Diversion		
Water Right or Application	C4582	
Number(s)	C4362	
Permit Number(s)		
Latest Amendment	2.5	
Authorized Impoundment	24,700	
Priority Date(s)	11/30/1942, 05/08/1972	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure had	d any significant modificati	ons since 1970?
Yes	No No	Unknown
If so, what modification	ons were made and when?	·
May we contact the d	esign engineer for addition	al information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer	seese and Mizhols Fo	t. usish
		ich the Texas Water Development Board
Yes	☐ No	
Can you furnish them	in a digital format?	
Yes	☐ No	
May we have permiss Freese and Nichols' a	sion to share photographs or crchives with the Texas Wa	r design information on your dam in the ter Development Board?
Yes	☐ No	
Thank you for your ti	me!	

		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	9 <del>03-656-6934</del>	903-656-6294
Fax	90 <del>3-656-738</del> 2	903-656-7464
Email	wilsonj@lonestarsteel.com	JRRouse P USS. com
	6866 Highway 259 South, P.O. Box 1000	ak
Address	Lone Star, TX 75668	
Elevation		
of TOC (feet)	400.0	
Dead Pool Elevation (feet)		
Original Conservation	44.040	
Pool Total Volume (acre-feet)	11,248	
Original Surface	180	
Area at TOC (acre)	180	
Original Dead Pool Volume		
(acre-feet)		
		,
Last Survey Conservation	7,100	
Pool Total Volume (acre-feet)	7,100	
Last Survey Conservation	7,100	
Pool Capacity (acre-feet)	7,100	
Last Survey Dead Pool	n/a	
Volume (acre-feet)  Last Survey Area at TOC	1170	
(acres)	180	
Date of		·
Last Survey	n/a	
Last Survey Performed by		
Total Drainage		
Area (mile <sup>2</sup> )	2	·
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	industrial	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	435	
Dam Length		
(feet)	2,000	·
Dam Height		
(feet)	121	
Top Width		
(feet)		
	qlu:	
Comments Dam General	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	NAME OF THE PARTY	
Service Spillway Elevation		
(feet above MSL)	400	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway	·	
Information	unknaum	
Type of Gates	unknown	
Number of Gates	2	
Maximum Gate Release		
Capacity (cfs)	N.	
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	A STATE OF THE STA	
	24,000 acre-feet of impoundments for a	
	group of reservoirs, however, only	
	Peacock Site 1 A Tailing Pond was	
Authorized Impoundment	constructed with 7,100 acre-feet.	
Priority Date(s)		
Hazard Classification	High	

<sup>\*</sup> 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 Nichols, Inc.

Engineers

**Environmental Scientists** 

Architects

4055 International Plaza, Suite 200 June 3, 2008

Fort Worth, Texas 76109

817 735-7300

817 735-7491 fax

www.freese.com

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, P.E.

Attachments

Ellison Creek Dam Datasheet

Peacock Site 1A Tailings Reservoir Dam Datasheet

		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	Paulok, rodman o Usace, army, mil
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H
Address	Worth, TX 76120-0300	
		Sugarox Pool
Elevation		Symmer fool elev. 230,0 - May 20 - Sept 3
of TOC (feet)	228.5	elev. 250,0 - May 20 - Sept 3
Dead Pool Elevation (feet)		(
Original Conservation	•	
Pool Total Volume (acre-feet)	254,937	V
Original Surface		10-70
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		1
Pool Capacity (acre-feet)	238,933	Y
Last Survey Dead Pool	2.442	/
Volume (acre-feet)	2,148	V
Last Survey Area at TOC	47.07	1/21/
(acres)	17,677	16919
Date of		1 1000
Last Survey	36069	November 1998 TWDB
Last Survey Performed by		TWDB
Total Drainage		./
Area (mile <sup>2</sup> )	880	V
Contributing Drainage		
Area (mile <sup>2</sup> )		
	flood control, water supply, recreation,	Water granty
Main Purposes	-other	-
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	277	V
Dam Length	,	7
(feet)	10,600	U.
Dam Height		l /
(feet)	97	V
Top Width		<b> </b>
(feet)	30	V
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	J.,
		hill area Just beyond the
Emergency Spillway Location		east abutment

		Comments	
Emergency Spillway Elevation		JOHNINGIRS	
(feet above MSL)	249.5		
Emergency Spillway Length	240.0	/	
(feet)	200		
(leet)	200		
Maximum Emergency Spillway			
Discharge Capacity (cfs)	79,664	68200 at Maximum Design Water Su.	rtice
Service Spillway Type	.0		11100
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-8fT 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)			
		Low-flow	
Discharge Capacity of Water			
Supply Outlet in Dam (cfs)		25 cfs	,
Location of Reservoir Water		1-14 inch diameter Cast fron Pipe, Para Heli butlet structure before intersecting outlet about 9 feet beyond the Service gate	ing
Supply Outlets		about 9 feet beyond The Service gage	Condu
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	V	
Nearest town	Jefferson		
Distance from			
Nearest Town (miles)	9 miles ₩	,	

	Comments	
Direction from Nearest Town	W	
Dam		200 11=1 12/1
Central Latitude	32.7497	32° 45′ 18″ 94° 29′ 57″
Dam		au 00' rn"
Central Longitude	-94.5045	77 27 31
Tatal Authorized Consumptive		
Total Authorized Consumptive	191,870	·
Diversion (Ac-Ft/Yr)	191,070	
Total Non Consumptive Use		
(Ac-Ft/Yr)		
Type of Use, Non-	0	
Consumptive Diversion	U	
Time of the Multiple Durness		
Type of Use, Multiple Purpose Consumptive Diversion	0	
	0	
Water Right or Application	C4590	
Number(s)	C4390	
Permit Number(s)	Λ	
Latest Amendment	A 254 000	
Authorized Impoundment	251,000	
Priority Date(s)	09/16/1957	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure had	l any significant modificat	ions since 1970?
Yes	X No	Unknown
If so, what modificatio	ons were made and when?	
N/A		
May we contact the de	sign engineer for addition	al information or for copies of the plans
N/A		
Yes	☐ No	Unknown
Design Engineer	Forrest & Cot	ton
Do you have any repre can have?	sentative photographs wh	ich the Texas Water Development Board
X Yes	□No	
Can you furnish them i	in a digital format?	
x Yes	☐ No	
May we have permission Freese and Nichols' are	on to share photographs or chives with the Texas Wat	design information on your dam in the er Development Board?
X Yes	☐ No	
Thank you for your tim	ne!	

	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	D.O. Doy 570 Oranga TV 77630		
Address	P.O. Box 579 Orange, TX 77630		
Elevation			
of TOC (feet)	403.0		
Dead Pool Elevation (feet)	100.0	360.0 ft msl	
Boad Foor Elevation (root)			
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	000.400		
Pool Total Volume (acre-feet)	636,133		
Last Survey Conservation	004.007		
Pool Capacity (acre-feet)	604,927		
Last Survey Dead Pool Volume (acre-feet)	31,206		
Last Survey Area at TOC	31,200		
(acres)	27,264		
Date of	27,1201		
Last Survey	<del>- 36892</del>	₹ <sup>3</sup> 9/13/2001	
Last Survey Performed by		TWDB	
Total Drainage			
Area (mile <sup>2</sup> )	493		
Contributing Drainage			
Area (mile <sup>2</sup> )			
Main Purposes	municipal, industrial, irrigation		
Dam Type	earthfill		
Top of Dam Elevation		419.5	
(feet)	<del>-420</del>		
Dam Length	40.00		
(feet)	12,410		
Dam Height (foot)	79		
(feet) Top Width	79		
(feet)		25 ft	
(1001)	soil foundation, homogenous		
Comments Dam General	earth dam		
Year(s) of Modifications	oural dam	N/A	
Description of Modifications		N/A	
Emergency Spillway Type	_controlled		
<u> </u>		11.5.2	
Emergency Spillway Location		N/A	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	•	N/A
Emergency Spillway Length		
(feet)	<del>-20</del> 0	N/A
Maximum Emergency Spillway	415.04	1 27/2
Discharge Capacity (cfs)	_115,347	
Service Spillway Type	C	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	taintar/radial)	0 10 0 1
Number of Gates	tainter(radiai) 5	Core 10 Steel
Maximum Gate Release	3	
]		
Capacity (cfs)	N	
Hydropower (Y/N)	IV.	
No. of Hydropower Units		N/A
Generation Capacity (mW)		N/A
Type of Outlet Works Elevation of Outlet Works		Pipe & Ballvalve (2) 36" (1) 10"
l l		
(feet above MSL)	7.00	
Discharge Capacity of Outlet		
Works (cfs)		
Elevation of Water Supply		N/A Use Outlets Above for Discharge
Outlet (in Dam)		N/A use outlets above for bischarge
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)	- <del>On</del>	Off
Stream if Off-Channel		Tailrace
Yield Type (FY:Firm Yield,SY:		TATITACE
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	Quitilan	
Nearest Town (miles)	ے	
Mediest Town (IIIIes)	5	

<u> </u>		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-		27.72
Consumptive Diversion	<u></u> _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	В	
Authorized Impoundment	675,819	
Priority Date(s)	06/26/1974, 04/16/1992	
Hazard Classification	· High	

<sup>\*</sup> 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





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

BOARD OF DIRECTORS

Bruce King, Sec. Glendel Lange, Dir. John E. Thomas, Dir.

June 12, 2008

Lon B. Bates, President
C. Larry Cox, V. Pres.

TOMMY SPRUILL Executive Director

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

Forr She was Dam Lake Bob Sandin

Has your structure	had any significant modificat	ions since 1970?
Yes	⊠ No	Unknown
If so, what modific	cations were made and when?	
May we contact th	e design engineer for additior	nal information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer	URS/FORRESTAND C	OTTON, INC.
		hich the Texas Water Development Board
Yes	∑ No	
Can you furnish t	hem in a digital format?	
Yes	∑ No	
May we have per Freese and Nicho	mission to share photographs ls' archives with the Texas W	or design information on your dam in the Vater Development Board?
Yes	☐ No	
Thank you for yo	our time!	

		Comments
Name	Bob Sandlin, Lake	
Impoundment Name		
Dam Name	Fort Sherman Dam	
Dani Name	Torconomica Dam	
	Titus County Fresh Water Supply DIS. #1, 33.3%; Texas Water	AS OF 4-13-78 TCFWSD#1
Owner	Development Board, 66.7%	
Contact Person	Tommy Spruill	
Telephone	903-572-1844	
Fax	903-572-0164	
Email	tspruill@countrynet.net	
	P.O. Box 650 Mt. Pleasant, TX	
Address	75456-0650	
Elevation		
of TOC (feet)	337.5	
Dead Pool Elevation (feet)	294.5	
Dead Fooi Lievation (leet)	V' //-	
Original Consequation		
Original Conservation	213,350	
Pool Total Volume (acre-feet)	210,000	
Original Surface	0.460	
Area at TOC (acre)	9,460	
Original Dead Pool Volume	72/77	
(acre-feet)	3303	
Last Survey Conservation Pool Total Volume (acre-feet)	204,678	
Last Survey Conservation	200 570	
Pool Capacity (acre-feet)	200,579	
Last Survey Dead Pool	4.000	
Volume (acre-feet)	4,099	
Last Survey Area at TOC	0.004	
(acres)	9,004	
Date of		MAY 14, 1998
Last Survey	35827	10111 111111
Last Survey Performed by	TWOB	
Total Drainage		UN CONTROllED DRAINAGE AREAS
Area (mile <sup>2</sup> )	239	
Contributing Drainage		MONTECETTO DAM = 36 2
Area (mile <sup>2</sup> )		CYPRESS SPRINGS = 75.0
Main Purposes	water supply	
Dam Type	earthfil	
Top of Dam Elevation		
(feet)	349	
Dam Length	DAM AND	
	APPUNTENTY = 10,800	DAMONIY = 5650
(feet)	APPURTENTANT = 10,800	1 600 1 1
Dam Height	69	
(feet)	08	
Top Width	O.F.	
(feet)	25	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	

		Comments
- 0 111	Near left and of dam	
Emergency Spillway Location	Near left end of dam	
mergency Spillway Elevation	341.3	
(feet above MSL)	4660 (NID 2006); 4500 (Report	
Emergency Spillway Length	126)	
(feet)	120)	
Maximum Emergency Spillway	·	
Discharge Capacity (cfs)	234,602	
Service Spillway Type	controlled	
Service Spillway Location	left abutment	
Service Spillway Elevation		211
(feet above MSL)	317	316:5
V		
Service Spillway Length (feet)	160 (net)	
Maximum Service Spillway	7.11 000	4 GATES OPEN 17 FEET.
Discharge Capacity (cfs)	74,600	A SILING CALL
Comments Service Spillway	Concrete ogee with 4 tainter	•
Information	gates, each 22.5' by 40'	
Type of Gates	tainter(radial)	
Number of Gates	4	
Maximum Gate Release	2/100	
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	1 2 - 22	
Outlet (in Dam)	307.0 + 328.0.	
Discharge Capacity of Water	305	
Supply Outlet in Dam (cfs)		
Location of Reservoir Water	LEFT END PIER	
Supply Outlets	0n	
On or Off Channel (ON/OFF)	Un <sub>1</sub>	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY:	FY	
Safe Tield,Other)	60,430	
Year 2010 Yield (acre-feet)		15 This & TXFD &
Year 2060 Yield (acre-feet)	61,430 Cyprose	12 1012 11 18/10 34
River Basin	Cypress Crock	
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	o	
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	

<sup>\*</sup> 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

Has your structure ha	d any significant modi	fications since 1970?	
Yes	☐ No	Unknown	
If so, what modificat	ions were made and wh	nen?	
Pe-Slope	Jour steam	slope	
May we contact the	lesign engineer for add	itional information or for copic	es of the plans?
Yes	□No	Unknown	
Design Engineer	Freese + n.l	vols	
		s which the Texas Water Deve	lopment Board
can have?	P		
✓ Yes	☐ No		
Can you furnish then	n in a digital format?		
	<b>□</b> ] <b>&gt;</b> 1-		
Yes	□No		
May we have permis Freese and Nichols'	ssion to share photograp archives with the Texa	phs or design information on y s Water Development Board?	our dam in the
Tes Yes	□ No		
Thank you for your	time!		
Offlie			

		Comments
Name	Gilmer, Lake	
Impoundment Name	Lake Gilmer	
Dam Name	Lake Gilmer Dam	
Owner	City of Gilmer	
Contact Person	Brian Rodgers.	DANNY LANCASIER
Telephone	<del>903-843-8206-</del>	903-843-8209
Fax	903-843-3508-	903-849-8208
Email	brodgers@etex.not.	DANNY LANCASTER 903-843-8209 903-849-8208 danny10 etex.NET
	P.O. Box 760 Gilmer, TX	
Address	75644	
Elevation	0.45.0	
of TOC (feet)	315.0	
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	12,720	
Original Surface	12,720	
Area at TOC (acre)	1,010	
Original Dead Pool Volume	1,010	
(acre-feet)		
(46.6.1061)		
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 (mile²)	36	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	329	
Dam Length	0.550	
(feet)	2,550	
Dam Height (feet)	43	
Top Width	43	
(feet)		
Comments Dam General		
Year(s) of Modifications	2001	
Description of Modifications	2001	
Emergency Spillway Type	uncontrolled	
	2.700.100	
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	· · · · · · · · · · · · · · · · · · ·	۶
Service Spillway Elevation		- 14
(feet above MSL)	315	7
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	
Torontillo Multiple Dumage		
Type of Use, Multiple Purpose	0	
Consumptive Diversion		
Water Right or Application Number(s)	P5272	
Permit Number(s)	5272	
Latest Amendment	92.2 A	
Authorized Impoundment	12,720	
Priority Date(s)	12/14/1989	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure had a	my significant modifica	ations since 1970?
Yes	🛛 No	Unknown
If so, what modification	s were made and when	?
May we contact the desi	gn engineer for additio	nal information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer <u>NAS</u>	LAMAY STONE	<u>C</u>
Do you have any represe can have?	entative photographs w	hich the Texas Water Development Board
Yes	🕅 No	
Can you furnish them in	a digital format?	
Yes	Į No	
		or design information on your dam in the ater Development Board?
Yes	☐ No	
Thank you for your time	e!	

Gonzalez Creek Dan Lake Daniel

Has your structure	had any significant modificati	ons since 1970?
Yes	No	Unknown
If so, what modific	cations were made and when?	
May we contact th	ne design engineer for additiona	al information or for copies of the plans?
Yes	□No	Unknown
Design Engineer	Freese + nichols	Inc.
Do you have any a can have?	representative photographs wh	ch the Texas Water Development Board
Yes	∑ No	
Can you furnish th	nem in a digital format?	
Yes	⊠No	
May we have perr Freese and Nichol	nission to share photographs o ls' archives with the Texas Wa	r design information on your dam in the ter Development Board?
Yes	☐ No	
Thank you for you	ur time!	

		Comments
Name	Daniel, Lake	
Impoundment Name	Daniel, Lake	
Dam Name	Gonzales Creek Dam	
Dam Name	Conzaios Creek Dain	
Owner	City of Breckenridge	
Contact Person	Gary Ernest	
Telephone	254 559-8287	
Fax	254-559-7322	
Email	gernest@wtconnect.com	
Liliaii	105 North Rose Ave.	
Address	Breckenridge, TX 76424	
Address	Breckeringe, 17770121	
Elevation		
	1,278.0	
of TOC (feet)	1,270.0	
Dead Pool Elevation (feet)		
Original Consequentian		
Original Conservation	9,515	
Pool Total Volume (acre-feet)	9,010	
Original Surface	924	
Area at TOC (acre)	924	
Original Dead Pool Volume		
(acre-feet)		
Last Survey Conservation	o é a m	
Pool Total Volume (acre-feet)	9,515	
Last Survey Conservation	0.405	
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 <sup>2</sup> )	115	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Visit in the second		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	1,295	
Dam Length		
(feet)	2,655	
Dam Height	60 (report 126); 50 (NID	
(feet)	2006)	
Top Width		
(feet)	18	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Lineigency Opinway Type	di ioni di di	
Emergency Spillway Location	left end of dam	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	1284.5	
Emergency Spillway Length		
(feet)	1500	
(.00,)		
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	
(1001 05010 1110 1		
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	Gated outflows inlet 1272,	
(feet above MSL)	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	o	
Water Right or Application		
Number(s)	C4214	
Permit Number(s)		
Latest Amendment	А	
Authorized Impoundment	11,400	
Priority Date(s)	04/26/1946	
Hazard Classification	High	

<sup>\*</sup> 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	J. Grand, Edito	
Dam Name	Graham Dam	
Dani Name	Granain Dam	
Owner	City of Graham	
Contact Person	Larry M. Fields	
	940-549-3324	
Telephone		
Fax	940-549-5030	
Email	gramgr@wf.net	
	P.O. Box 1449	
Address	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)		
(20.01001)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	45,302	
Last Survey Conservation	70,002	
Pool Capacity (acre-feet)	45,260	
Last Survey Dead Pool	40,200	
	42	
Volume (acre-feet)	42	
Last Survey Area at TOC	0.444	
(acres)	2,444	
Date of	0.5000	
Last Survey	35886	
Last Survey Performed by		
Total Drainage		
Area (mile <sup>2</sup> )	221	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, other	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	1,093	
Dam Length	.,,	
(feet)	4,300	
Dam Height	1,500	
(feet)	82	
Top Width	02	
ł; ·	20	
(feet)	20	
	Eddle De	
	Eddleman Dam:	
	Type Earthfill, Legnth	
	4,495 ft, Height 57ft,	
	Top Width 20 ft, Top	
Comments Dam General	Elevation 1,093.3 ft	
Year(s) of Modifications	1958	

£

		Comments
	Enlarged project that	
	now incorporates	
Description of Modifications	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 from tower	
Elevation of Outlet Works	1031.3, Crest	
(feet above MSL)	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:	0.4	
Safe Tield,Other)	SY	
Year 2000 Yield (acre-feet)	4,400	
Year 2060 Yield (acre-feet)	3,650	
River Basin	Brazos	
04	Elint and Calt Craates	
Stream	Flint and Salt Creeks	
County	Young	
Nearest town	Graham	

ı

		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	00.450	
Number(s)	C3458	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	52,386	
	11/21/1927,	
Priority Date(s)	11/15/1954	
Hazard Classification	High	

<sup>\*</sup> 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 into Correct

Grahan

Has your structure had a	ny significant modific	cations since 1970?
Yes	IJ\no	Unknown
If so, what modification	s were made and whe	n?
May we contact the desi	gn engineer for addit	ional information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer	seese AND NI	chois
Do you have any repres can have?	entative photographs	which the Texas Water Development Board
Yes	<u> </u>	
Can you furnish them in	a digital format?	
Yes	∃No	
		ns or design information on your dam in the Water Development Board?
Yes	□No	
Thank you for your tim	e!	

		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. rodpon @ usace. army, mil
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESUF-EC-H
Address	Worth, TX 76102-0300	CES WY -EC-H
Elevation		/
of TOC (feet)	535.0	
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	188,550	V
Original Surface		200
Area at TOC (acre)	6,892	7380
Original Dead Pool Volume		
(acre-feet)		830 at elen 475
, , , , , , , , , , , , , , , , , , , ,		
Last Survey Conservation		
Pool Total Volume (acre-feet)	164,703	V
Last Survey Conservation		,
Pool Capacity (acre-feet)	147,042	v'
Last Survey Dead Pool		
Volume (acre-feet)	1	at elev. 425
Last Survey Area at TOC		
(acres)	6,893	1/
Date of		
Last Survey	37378	May 2002
Last Survey Performed by		/.
Total Drainage		/
Area (mile <sup>2</sup> )	695	$\checkmark$
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	ITTITEATION
Dam Type	earthfill	
Top of Dam Elevation	Jarann	
(feet)	588	/
Dam Length		/
(feet)	12,850	Vincluding spillway
Dam Height	12,000	, mervaring printing
(feet)	137	$\checkmark$
Top Width		
(feet)	28	V
Comments Dam General	2.0	
Year(s) of Modifications	1984, 1986	Embankment Modification, Spilluar Modi
Description of Modifications	1107, 1900	Embankment modification, Spilluay Modi
Emergency Spillway Type	none	UNCONTROlled
Emergency Spiliway Type	none	Official toper
Emergency Spillway Location	right of the dam	
Emergency opiliway Location	right of the damp	

Fication

		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 solllway crest
Elevation of Water Supply		
Outlet (in Dam)		1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		2-30-inch stred pipes paralleling DUTIET WORKS CONDUIT; invertelevation two at 500.5, one at 5/2.5 and one ar 520.5 feet NEVO
Discharge Capacity of Water	2.00	Two at 500,5, one at 5/2,5 and one
Supply Outlet in Dam (cfs)	250	ar 520,5 feet NEVD
Location of Reservoir Water		Pavallels outler works conduit
Supply Outlets		
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY:	, m., y	
Safe Tield,Other)	FY 19,000	
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	V
Distance from	2	2.7
Nearest Town (miles)		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	
	09/28/1951, 04/22/1974, 02/11/1946,	
Priority Date(s)	07/06/1948	
Hazard Classification	High	

<sup>\*</sup> 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

Name	Hords Creek Lake	Comments
Impoundment Name	I IOIUS CIEER LARE	
Dam Name	Hords Creek Dam	
Dam Name	Holds Creek Daili	
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. rodonan Quesace, army, mil
	Attn: CESWF-OD-L, P.O. Box 17300	paul.K. rodman @ wace.army.mll CESWF-EC-H
Address	Ft. Worth, TX 76102-0300	
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	V
Original Dead Pool Volume		
(acre-feet)		27
Last Survey Conservation		•
Pool Total Volume (acre-feet)	5,684	8 1   2
Last Survey Conservation		
Pool Capacity (acre-feet)	5,684	8112
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		October 1968 Corps of Engineers - Fortworth Distri
Total Drainage		/
Area (mile <sup>2</sup> )	48	
Contributing Drainage	10	-
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	J. Carlot)
Top of Dam Elevation	earumii	/
(feet)	1,939	$\checkmark$
Dam Length	1,505	/
(feet)	6,800	Vincluding Spillmay
Dam Height	0,800	1110104/119 0/1114/249
(feet)	91	
Top Width	91	
(feet)	24	$\checkmark$
Comments Dam General	Z-4	·
Year(s) of Modifications	1985	
Description of Modifications	1963	11/ida anta le man
	uncontrolled	Widen embankment
Emergency Spillway Type	uncontrolled	Soddle no right hank of Hards Cupele
Emarganay Calling Laggian	center of dam	Saddle on right bank of Hords Creek approximately 600 feet beyond Southern
Emergency Spillway Location	center or dam	end of the dam embankment

		Comments	1
Emarganay Spillyay Flavotion		Comments	
Emergency Spillway Elevation	1920		
(feet above MSL)	1920	/	
Emergency Spillway Length	. 500		
(feet)	300		
Maximum Emergency Spillway			
Discharge Capacity (cfs)	61,700	60800 CFC or novimum Decima Water	Suchace
Service Spillway Type	0		- 07426 @C
Service Spillway Location	0	Center of days	
Service Spillway Elevation		CCITY OF QUIN	
(feet above MSL)	1,920	1900	
(leet above MSL)	1,020		
Service Spillway Length (feet)		4 ft x 19.5 ft	
Maximum Service Spillway			
Discharge Capacity (cfs)		900 ofs at Maximum Design Water	Surface
Comments Service Spillway		2	
Information		,	
Type of Gates	slide(sluice)	1//	
Number of Gates	2		
Maximum Gate Release			
Capacity (cfs)		/	
Hydropower (Y/N)	N	V	
No. of Hydropower Units			
Generation Capacity (mW)		/	ł
Type of Outlet Works	slide(sluice)		
Elevation of Outlet Works			
(feet above MSL)	1,856.0	V	
Discharge Capacity of Outlet		Uncontrolled ages weir and 2 gates completely	
Works (cfs)	105.0	2260 ets at top of flood control pool	
Elevation of Water Supply			
Outlet (in Dam)	1,876.5	/ lowest invert elev=1876.5 24 inch diameter cast iron pipe;	
		24 inch diameter cast iron pipe;	
Discharge Capacity of Water			
Supply Outlet in Dam (cfs)		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	V	
Distance from		/	
Nearest Town (miles)	13	V	U

		/ Comments
Direction from Nearest Town	W	
Dam		/
Central Latitude	31.8347	V
Dam		/
Central Longitude	-99.56	V
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	o	
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	

<sup>\*</sup> 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

Has your structure had any	significant modifications sinc	e 1970?
Yes	☑ No	Unknown
If so, what modifications v	vere made and when?	
May we contact the design	engineer for additional inform	nation or for copies of the plans?
✓ Yes	□No	Unknown
Design Engineer LLOY	P ENG. & FREEZE, Nichel	5 & Endress
		exas Water Development Board
Yes	☐ No	
Can you furnish them in a c	digital format?	
Yes	☑ No	
	o share photographs or design i es with the Texas Water Devel	nformation on your dam in the opment Board?
X Yes	□ No	
Thank you for your time!		

		Comments
Name	Houston County Lake	
Impoundment Name	n/a	
Dam Name	Houston County dam	
Duili Italiio	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Owner	Houston Co WCID No 1	
Contact Person	John Chenette	Tex Terry
Telephone	936-544-3985	
Fax	936 545-2415	
Email	chenette@tuxcom:net	
	P.O. Box 1246 Crockett,	
Address	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	477.440	
Pool Capacity (acre-feet)	17,113	
Last Survey Dead Pool	550	
Volume (acre-feet)	552	
Last Survey Area at TOC	4 000	
(acres)	1,330	
Date of	20161	
Last Survey	36161	
Last Survey Performed by		
Total Drainage	4.4	
Area (mile <sup>2</sup> )	44	
Contributing Drainage		
Area (mile <sup>2</sup> )		
<b> </b>		
Main Purposes	water supply, recreation earthfill	
Dam Type	eanniii	
Top of Dam Elevation	277	
(feet)	211	
Dam Length	1,250	
(feet)	1,230	
Dam Height (feet)	63	
Top Width		
(feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Enlergency Opinway Type		
Emergency Spillway Location	Right end of dam	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	265	
Emergency Spillway Length		
(feet)	500	
(1001)		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	38,150	
Service Spillway Type	uncontrolled	
Service Spillway Location	left end of dam	
Service Spillway Elevation	ion ond or dain	
(feet above MSL)	260	
(leet above WSE)	200	
Sandas Spillway Langth (fact)		
Service Spillway Length (feet)  Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway	Drop inlet and 7x7 ft	
1	conduit	
Information Type of Cotes	none	
Type of Gates	Hone	
Number of Gates  Maximum Gate Release		
II i		
Capacity (cfs)	N	
Hydropower (Y/N)	N N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works	2010	
(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	

<sup>\*</sup> 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

Has your structure	had any significant modific	ations since 1970?
X Yes	□ No	Unknown
If so, what modifie	eations were made and when	n?
Spillway and 2nd berm wor	choring 1990, 1st b ck 1988	perm work 1985
May we contact th	e design engineer for additio	onal information or for copies of the plans?
X Yes	□ No	Unknown
Design Engineer	Jones & Boyd	
Do you have any recan have?	epresentative photographs w	which the Texas Water Development Board
X Yes	□ No	
Can you furnish th	em in a digital format?	
X Yes	☐ No	
-	nission to share photographs s' archives with the Texas W	or design information on your dam in the Vater Development Board?
X Yes	□ No	
Thank you for you	r time!	

		Comments	1
Name	Tawakoni, Lake		4
Impoundment Name			-
Dam Name	Iron Bridge Dam		1
			1
Owner	Sabine River Authority of Texas		1
Contact Person	Donnie Henson		
Telephone	409-746-2192	-	-
Fax	409-746-3780		-
Email			4
	dhenson@sratx.org		.
Address	P.O. Box 579 Orange, TX 77630	1	4
Elevation		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4
of TOC (feet)	437.5		.]
Dead Pool Elevation (feet)		378.0	
		· · · · · · · · · · · · · · · · · · ·	1
Original Conservation			
Pool Total Volume (acre-feet)	936,200		
Original Surface			1
Area at TOC (acre)	37,879	36,700	
Original Dead Pool Volume			1
(acre-feet)			A
,			
Last Survey Conservation			
Pool Total Volume (acre-feet)	888,140		
Last Survey Conservation	000,140		
Pool Capacity (acre-feet)	000 400		i
	888,130		
Last Survey Dead Pool			
Volume (acre-feet)	14		<u> </u>
Last Survey Area at TOC			
(acres)	37,879		
Date of			
Last Survey	35490	April 8, 1997	
Last Survey Performed by		TWDB - Hydrographic Survey I	rog.
Total Drainage			
Area (mile <sup>2</sup> )	756		
Contributing Drainage			
Area (mile²)			
Main Purposes	reprinted makes are al.		
Dam Type	municipal water supply		
	earthfill	1 14 14 14 14 14 14 14 14 14 14 14 14 14	
Top of Dam Elevation			
(feet)	454		
Dam Length		`	
(feet)	29,560		
Dam Height			
(feet)	85		
Top Width			l
(feet)	23.33		
	earthfill with concrete spillway,		
Comments Dam General	legnth includes spillway		
Year(s) of Modifications	1988	1990, 1988, 1985	
Description of Modifications	7,500	Spillway anchoring, 2ndberm we	rk, 1st
Emergency Spillway Type	uncontrolled	N/A	1
			1

		Comments	7
Emergency Spillway Elevation			1
(feet above MSL)	437.5	N/A	
Emergency Spillway Length			1
(feet)	480	N/A	
			1
Maximum Emergency Spillway			
Discharge Capacity (cfs)	131,500	N/A	
Service Spillway Type	0	concrete ogee weir, uncontrol	ed .
Service Splllway Location		1/2 mile south of river	1
Service Spillway Elevation			1
(feet above MSL)	438	437.5	
			1
Service Spillway Length (feet)		480.0	1
Maximum Service Spillway		V · V	1
Discharge Capacity (cfs)	i	50,000 CFS	
Comments Service Spillway			1
Information		N/A	
Type of Gates	valve	N/A	1
Number of Gates	4	N/A N/A	1
Maximum Gate Release	1	N/A	1
Capacity (cfs)		N/A	ı
Hydropower (Y/N)	N	N/A	1
No. of Hydropower Units		N/A	1
Generation Capacity (mW)			-{
Type of Outlet Works	valve	n/a 1) 2-20"pipes 2) 2-4x6 sluice	1
Elevation of Outlet Works	A 514.0	1) 2-20 pipes 2) 2-4x6 sturce	gace
(feet above MSL)	1) 416.5 and 2) 378		1
Discharge Capacity of Outlet	1) 410:0 and 2) 0/0		1
Works (cfs)		1) 150 CFS 2) 2400 CFS	
Elevation of Water Supply		1, 130 Cl 2, 2100 Cl 5	1
Outlet (in Dam)		N/A	1
(1. 201)		IV/ A	1
Discharge Capacity of Water			
Supply Outlet in Dam (cfs)		N/A	
Location of Reservoir Water		IV/A	-
Supply Outlets		N/A	l
On or Off Channel (ON/OFF)	On		1
Stream if Off-Channel	01	Ν/Δ	1
Yield Type (FY:Firm Yleld,SY:		IV / A	1
Safe Tield,Other)	FY		
Year 2010 Yield (acre-feet)	229,807		
Year 2060 Yield (acre-feet)	221,240		1
River Basin	Sabine		1
Stream	Sabine River		1
County			<del> </del>
Nearest town	Mills Point	Rains, Van Zandt, Hunt	4
Distance from	vviiis Point	· · · · · · · · · · · · · · · · · · ·	1
Nearest Town (miles)	O mailo o Alm		Ĭ
Medicor I OMIT (IIIIIC2)	9 miles NE		H

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-FI/Yr) N/A Type of Use, Non-Consumptive Diversion 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 09/12/1955, 08/13/1985, Priority Date(s)
Hazard Classification 05/21/1986 High

<sup>\*</sup> 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





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	pauliki rodman Qusace, army, mil CESWF-EC-H
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H
Address	Worth, TX 76102-0300	
Elevation	500.0	
of TOC (feet)	522.0	
Dead Pool Elevation (feet)		
Original Conservation	170,000	
Pool Total Volume (acre-feet)	176,900	·
Original Surface	7 170	
Area at TOC (acre)	7,470	
Original Dead Pool Volume	:	
(acre-feet)		
Last Survey Conservation	470,000	
Pool Total Volume (acre-feet)	176,900	
Last Survey Conservation	470,000	
Pool Capacity (acre-feet)	176,900	
Last Survey Dead Pool	7/0	•
Volume (acre-feet)	n/a	
Last Survey Area at TOC	7 470	
(acres)	7,470	
Date of	7/0	1985 Corps of Engineers - Fort Worth
Last Survey	n/a	1983
Last Survey Performed by		Corps of Engineers - FORT 11/08/11
Total Drainage	200	
Area (mile <sup>2</sup> )	232	<u> </u>
Contributing Drainage		
Area (mile <sup>2</sup> )		Convertible 1 of 1 11111
Main Purposes	tlood control, water supply	recreation, fish / wildlife
Dam Type	earthfill	folled earthfill
Top of Dam Elevation		F1115
(feet)	565	564.5
Dam Length		7 4 21/0
(feet)	24,200	24340
Dam Height	400	108,5 ft,
(feet)	108	100,7 11,
Top Width		20 6
(feet)	tt	30 ft
Comments Dam General	earth core dam	1000
Year(s) of Modifications	1989	1787, 2004
Description of Modifications	1 11 3	1989, 2004 Embankment repair Uncontrolled limited Service
Emergency Spillway Type	uncontrolled	Uncontrolled limited Service
- 0		
Emergency Spillway Location		Embankment Station 100

DISTNET

		Comments
Emergency Spillway Elevation		
(feet above MSL)	,	54/
Emergency Spillway Length		
(feet)	50	
(1004)		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	11,900	Vat Maximum Design Water Surface
Service Spillway Type	9	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	543	,
(100(42010 11102)		
Service Spillway Length (feet)	İ	
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)	1	466
Discharge Capacity of Outlet		
Works (cfs)		4000 cfs at spillway Crest
Elevation of Water Supply		/ /
Outlet (in Dam)	482.5	
Oddict (iii Baili)		Low flow consist of four 3 ft x 5 ft from lake to wet well controlled by 2 ft x y ft service gale discharging into 2 ft x 5 ft conduit with outtail in the
Discharge Capacity of Water		from take to wet well controlled by
Supply Outlet in Dam (cfs)	310	24+ X5 ft conduit with outfall in the
Location of Reservoir Water		LOW Flow located in outlet works Tower
Supply Outlets		Empries into outles Works conduit
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY:		
Safe Tield,Other)	FY	<b>/</b>
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	Builde	
41	0	10 miles
Nearest Town (miles)	<u> </u>	1

inlets a outlet works

		/ Comments
Direction from Nearest Town	SW	V
Dam		,
Central Latitude	32.645	V
Dam		·
Central Longitude	-96.9933	V
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	17,000	
Total Non Consumptive Use		
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
T (11 M 11 5		
Type of Use, Multiple Purpose		
Consumptive Diversion	U	
Water Right or Application	00404	
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	

<sup>\*</sup> 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

Impoundment Name

Johnson Creek Reservoir

Note - this is for our Wilkes Power Plant

Dam Name

Johnson Creek Dam

National Inventory #3887

Owner

Contact Person Telephone

Fax Email Address AEP-Southwestern Electric Power Company

**Greg Carter** 318-673-3831

903-746-4585

318-673-2742

don't have one that I regularly use

wgcarter@aep.com

P.O. Box 21106 Shreveport, LA 71156 2400 FM 3251 Hallsville, Texas 75650

Elevation □of TOC (feet)

Dead Pool Elevation (feet)

Original Conservation 

□Pool Total Volume (acre-feet)

Original Surface □Area at TOC (acre)

Original Dead Pool Volume (acre-feet)

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 Total Drainage □Area (mile2)

Contributing Drainage □Area (mile2)

Main Purposes

Dam Type Top of Dam Elevation □(feet)

Dam Length □(feet) Dam Height□(feet) Top Width (feet)

industrial

n/a

n/a

earthfill

10100 9600 at elev 280 per area capacity curve

280

10100 this is in Cert of Adjudication

10100

650 at elev 280

11

296 2530 60

20

4 inch concrete slab on upstream face

from elev 272 to 290

Industrial - steam electric

none

Comments Dam General Year(s) of Modifications

**Description of Modifications Emergency Spillway Type** 

**Emergency Spillway Location** Emergency Spillway Elevation (feet above MSL)

Emergency Spillway Length (feet)

uncontrolled

near right end of Dam

right of dam 286

326

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)

Service Spillway Type Service Spillway Location uncontrolled

near center of dam

Drop inlet, 20x20 ft.

Service Spillway Elevation (feet above MSL)

Service Spillway Length (feet)

14639 cfs at 293.2 ft MSL Morning glory (drop inlet)

282 Spillway at 282 with a 2 ft H by 4 ft W notch at elev 280 20 ft by 20 ft at mouth reduced to 7 ft by 7 ft ID in me chan

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.

314 ft from centerline of Morning glory to stilling basin. Conduit under dam is generally 7 ft wide by 7 ft tall.

none

0

Maximum Service Spillway Discharge Capacity (cfs)

Comments Service Spillway Information

Type of Gates

Number of Gates

Maximum Gate Release Capacity (cfs)

Hydropower (Y/N)

No. of Hydropower Units

Ν

valve

Generation Capacity (mW) Type of Outlet Works Elevation of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet (in Dam)	valve	2 each 18 inch g unknown	ate valves in 18 inch steel cylinder PiP* 254.5
Discharge Capacity of Water Supply Outlet in Dam (cfs Location of Reservoir Water Supply Outlets	3)		
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	design? Please	•
Year 2010 Yield (acre-feet)		and contract and a second	O, me, many pass house year pass and a state of the state of
Year 2060 Yield (acre-feet)		1785	from DBO7
River Basin	Cypress		THOM BBU!
Stream	Johnson Creek		
County	Marion	Jefferson	
Nearest town	Avinger	4 13 miles	
Distance from □ Nearest Town (miles)		NW	
Direction from Nearest Town	S	32.8384	
Dam □Central Latitude		-94.5483	
Dam □Central Longitude		-94.5463 6668	
Total Authorized Consumptive Diversion (Ac-Ft/Yr)		0000	
Total Non Consumptive Use (Ac-Ft/Yr)		0	
Type of Use, Non-Consumptive Diversion		0	
Type of Use, Multiple Purpose Consumptive Diversion		COA 04-4588	
Water Right or Application Number(s)	C4588	COA 04-4388	1963
Permit Number(s)		B 10/27/1969	1303
Latest Amendment		10100	
Authorized Impoundment	05/04/4000	10100	
Priority Date(s)	05/04/1960		
Hazard Classification	High		

<sup>\*</sup> 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.rodinan Ousace.army.mil CESWF-EC-H
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H
Address	Worth, TX 76102-0300	
Elevation		
of TOC (feet)	504.0	
Dead Pool Elevation (feet)	·	
		,
Original Conservation	65,500	
Pool Total Volume (acre-feet)	05,500	
Original Surface	4,400	
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	02,010	
Pool Capacity (acre-feet)	52,525	✓
Last Survey Dead Pool		
Volume (acre-feet)	0	V
Last Survey Area at TOC		/
(acres)	4,064	<i>√</i>
Date of		
Last Survey	37317	April 2002
Last Survey Performed by		TWDE
Total Drainage		
Area (mile <sup>2</sup> )	709	730
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	
Top of Dam Elevation		. /
(feet)	555	V
Dam Length		1/100 1 / 11 1/1
(feet)	16,320	16190 including spillway
Dam Height		114
(feet)	115 (Report 126), 114 (NID 2006)	117
Top Width		
(feet)	30	V
Comments Dam General		
Year(s) of Modifications		/
Description of Modifications	uncontrolled	
Emergency Spillway Type	uncontrolled	Λ
0.96		right abotment
Emergency Spillway Location		1 /1911 20 - 1110

		Comments	
Emergency Spillway Elevation		/	
(feet above MSL)	528	V	
Emergency Spillway Length		,	
(feet)	950	/	
Maximum Emergency Spillway			
Discharge Capacity (cfs)	342,330	Vat Maximum Design Water Surface	
Service Spillway Type	0	V	
Service Spillway Location			
Service Spillway Elevation			1
(feet above MSL)			
Control Collinson Langeth (Foot)			
Service Spillway Length (feet)			3
Maximum Service Spillway			
Discharge Capacity (cfs)			
Comments Service Spillway			
Information Type of Gates	none		
Number of Gates	Hone		l
Maximum Gate Release			
		,	
Capacity (cfs) Hydropower (Y/N)	N	,/	
No. of Hydropower Units		V	
Generation Capacity (mW)			
Type of Outlet Works	slide(sluice)		
Elevation of Outlet Works	Outlet 457ft; 486ft (low flow-discharges		
(feet above MSL)	to flood contol conduit)		
Discharge Capacity of Outlet			
Works (cfs)		11700 ofs at Spillway crest	
Elevation of Water Supply			
Outlet (in Dam)			
Discharge Capacity of Water			
Supply Outlet in Dam (cfs)	200		
Location of Reservoir Water			Tower
Supply Outlets		Emples into Outlet Works Condus	
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		
Nearest town	Taylor	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Distance from			
Nearest Town (miles)	10	V	

		Comments
Direction from Nearest Town	NE	
Dam		
Central Latitude	30.7033	V
Dam		
Central Longitude	-97.3297	V
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	

<sup>\*</sup> 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	4
Lavon Lake		
		_
Lavon Dam		4
		_
		-
		_
		4
817-886-6472		4
paul.k.rodman@swf02.usace.army.mil	Paulikirodman Qusace, armyimil	-
Attn: CESWF-OD-L, P.O. Box 17300	CESWF-EC-H	
Ft. Worth, TX 76102-0300		-
		-
492.0	V	
		-
456,500	<u> </u>	-
21,400	V	
,		
456,526		_
	/	
443,844		_
	/	
12,682		
21,400		_
	100.	
24016	1970	District
	Corps of Engineers - For Worth	- WESTAGET
	/	
770	V	-
		_
flood control, water supply	recreation	4
earthfill	V	4
514	V	
19,493	Vinduding Spillway	4
81		_
30	V	_
		_
1970		_
	1 1 - 1/1/1	II .
Embankment	and spill way	
Embankment controlled		
	Lavon Dam  Corps of Engineers-SWF Paul Rodman 817-866-1538 817-886-6472 paul.k.rodman@swf02.usace.army.mil Attn: CESWF-OD-L, P.O. Box 17300 Ft. Worth, TX 76102-0300  492.0  456,500  21,400  456,526  443,844  12,682  21,400  24016  770  flood control, water supply earthfill  514  19,493	Corps of Engineers-SWF

		Comments
Emergency Spillway Elevation		
(feet above MSL)	475.5	V
Emergency Spillway Length		
(feet)	480	V
Maximum Emergency Spillway		/
Discharge Capacity (cfs)	357,700	V
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)	V Five gare controlled stylces Thru Spil
Elevation of Outlet Works		
(feet above MSL)	453.0	
Discharge Capacity of Outlet		
Works (cfs)		1200 ds at top of flood control prol
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
Megrest rown (inites)	V	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

may pier

		Comments
Direction from Nearest Town	Е	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	
	09/08/1953, 08/02/1965, 09/10/1985,	
Priority Date(s)	07/22/1983, 03/24/1994	
Hazard Classification	High	

<sup>\*</sup> 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: JAMIS C. MURPHY

		Comments
Name	Leon, Lake	
Impoundment Name		<u> </u>
Dam Name	Leon Dam	
	,	
	Eastland County Water	
Owner	Supply District	
Contact Person	W.G. Powell	
Telephone	254-647-1320	254-631-5814
Fax	254-647-1727	
Email	ecwsd@txol.net	
	P.O. Box 16 Ranger,	
Address	TX 76470	
Elevation	4 075 0	
of TOC (feet)	1,375.0	
Dead Pool Elevation (feet)		
Original Consequation		
Original Conservation Pool Total Volume (acre-feet)	27,290	
Original Surface	21,230	
Area at TOC (acre)	1,590	
Original Dead Pool Volume	1,000	
(acre-feet)		
(acre-reet)		
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 <sup>2</sup> )	252	
Contributing Drainage		
Area (mile <sup>2</sup> )		
	municipal, industrial,	
Main Purposes	recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	1,398	
Dam Length	0.700	
(feet)	3,700	
Dam Height	90	
(feet)	90	
Top Width	20	
(feet)	Jonathan Pi:	
Comments Dam General	9585 in US	
Year(s) of Modifications	1987	
Description of Modifications	1007	
Emergency Spillway Type	uncontrolled	
Linergone, opinita, type	2	

		Comments
E	loft of dam	North of Dom
Emergency Spillway Location	lett of dami	North of Dam
Emergency Spillway Elevation	1382	1383 w/ FM 2461
(feet above MSL)	1302	1303 W/ FH 2401
Emergency Spillway Length	1200	
(feet)	1200	
Maximum Emergency Spillway	220.267	
Discharge Capacity (cfs)	230,367 uncontrolled	
Service Spillway Type	near center of dam	
Service Spillway Location	near center or dam	
Service Spillway Elevation	4 275	
(feet above MSL)	1,375	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
	Drop inlet, 34.5 ft	
Comments Service Spillway	diameter, discharge	
Information	conduit 11 ft diameter.	
Type of Gates	other	
Number of Gates	1	۸
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	В	
Authorized Impoundment	28,000	
	03/21/1952,	
Priority Date(s)	03/25/1986, 05/17/1931	
Hazard Classification	High	

<sup>\*</sup> 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

Like Leon

Has your structure had any	significant modifications since	1970?
XX Yes	□No	Unknown
If so, what modifications we	ere made and when?	
1982 downstream slide 1 1989 downstream repair	repair, 1987 upstream sli	de repair, riprap repair
May we contact the design of	engineer for additional informa	tion or for copies of the plans?
XX Yes	☐ No	Unknown
Design Engineer Ken Man	ctin 325-695-1070	_
Do you have any representation can have?	tive photographs which the Tex	kas Water Development Board
Yes	□ No	
Can you furnish them in a di	gital format?	
Yes	□ No	
	share photographs or design in s with the Texas Water Develo	<del>-</del>
Yes	No	
Thank you for your time!		
Upstream face slope is Downstream face slope i		

Has your structur	e had any significant modificat	ions since 1970?
Yes	<b>⋈</b> No	Unknown
THE LAST MAJOR  IT INVOLVED A C  AND PRAIN. STA  SOUTH T.  May we contact the	he design engineer for addition	IN 1970 (AS-BUILTS DWG'S ISSUED 2/29/71).  FAR THE TOE OF THE SLOPE WITH A HORIZONTAL OUTH OF SPILLWAY AND EXTENDING APPROX 1440 LA  al information or for copies of the plans?  From Brown + Root 15 No Langer Available
	No No	Unknown
Design Engineer  Do you have any can have?	You May CONTACT Jim	Morrissey OF ENTERGY'S FOSSIL ENG. DEPT AT 409-981-2369 ich the Texas Water Development Board
Yes	⊠ No	
Can you furnish the FREESE &	nem in a digital format?  NICHOLS CAN USE THE A  NO	RIEAL PHOTOS SENT TO JANIS MURPHY ON 7/1/08
May we have pern Freese and Nichol	nission to share photographs or s' archives with the Texas Wat	design information on your dam in the er Development Board?
☐ Yes	⊠ No	
Thank you for you	ır time!	

# To: FREESE & NICHOL'S - JANIS MURPHY

FROM: Jim Morrissey - ENTERCY FOSSIL ENG. DEPT (BEAUMONT, T.)

Name	Lewis Creek Reservoir	Comments
Impoundment Name	FRAIS CLERK LESSIAOIL	
Dam Name	Lewis Creek Dam	(TX. LAKE # 10050)
	LOWIS CICCK Dain	(TX. LAKE # 10050)
Owner	Entergy	
Contact Person	Charlie Flynn	MANUEL MONTALUO
Telephone	936-856-0623 OFFKE	CELL # 936-520-9010
Fax	936-856-0644	
Email	cflynn@entergy.com	MMONTAL @ ENTERGY, COM
	11191 Long Street Rd	
Address	Willis, TX 77318	
Elevation	- ,	
of TOC (feet)	267.0	
Dead Pool Elevation (feet)	201.0	
		UNKOWN
Original Conservation		
Pool Total Volume (acre-feet)	16,400	
Original Surface		
Area at TOC (acre)	1,010	
Original Dead Pool Volume		UNKNOWN - LEVEE WAS CONSTRUCTED FROM
(acre-feet)		MATL. FROM INSIDE THE RESEVOIR.
1		
Last Survey Conservation		
Pool Total Volume (acre-feet)	16,400	
Last Survey Conservation Pool Capacity (acre-feet)	40.400	
Last Survey Dead Pool	16,400	
Volume (acre-feet)	. 0	14 11/2 11 / 11 / 1
Last Survey Area at TOC	<u>U</u>	UNKNOWN / N./A.
(acres)	1,010	<b>.</b>
Date of	1,010	
Last Survey	n/a	
Last Survey Performed by		NOT KNOWN OR NONE
Total Drainage		
Area (mile²)	4	4.4 sa. miles
Contributing Drainage		UNKNOWN - Vary SMALL, BAICALLY PLATE
Area (mile²)		PROPER + SMALL AREA LOCAL TO RESE VOIR.
Main Purposes	— hydroeletri€	CONDENSER COOLING WATER FOR POWER PLAN
Dam Type	earthfill	TON TONE OF CAR
Top of Dam Elevation	-	V
(feet)	274	ok
Dam Length		oK
(feet)	12,836	
Dam Height	54 (Report 126); 62	GOFT AT 3ED + 4th GAGING WIERS
(feet) Top Width	(NID 2006)	
(feet)	40	18 cm am Const
(1001)	18 Jonathan Pi:	18 FT AT CREST OF DAM.
Comments Dam General	10133 in USA	
Year(s) of Modifications	10 100 III 00A	. A Ja . A S
Description of Modifications		None
Emergency Spillway Type	controlled	WE HAVE A SERVICE TYP SPILLWAY
7	CONTROLLED	WE HAVE A SERVICE TYP SPILLWAY
mergency Spillway Location	near left end of dam	2 2800 LF FROM LEFT END OF DAM
- SERVICE	<u>•</u>	2 2 300 LF - NORTH OF THE INTERSECTION

OR & 300 LF NORTH OF THE INTERSECTION OF CHOR CEMETARY ROAD & FM 1097

SERVICE

X		Comments
Emergency Spillway Elevation	on	
(feet above MSL)	252	CREST AT TAINTER GATES
Emergency Spillway Length	50 (Report 126), 57	
(feet)	(NID 2006)	
	(1412 2000)	
Maximum Emergency Spillwa		16,300 cfs AT DESIGN HEAD FOR 7
Discharge Capacity (cfs)	11,232	
Service Spillway Type	1,232	. 0
Service Spillway Location		CONTROLLED
Service Spillway Elevation	-	2 2800 LF FROM LEFT END OF DAM
(feet above MSL)	007	TOP OF SPILLWAY = 267 MSL
(redramove MOE)	267	CREST AT TAINTER GATES = 252 MSL
Service Spillway Length (feet		
Maximum Service Spillway	4	57 FT WIDE AT SPILLWAY TATAKE
Discharge Capacity (cfs)		15 2 10
Comments Service Spillway		16,300 cfs
information		townson Same and
Type of Gates		SERVICE SPILLWAY IS CONCRETE STRUCTURE
Number of Gates	tainter(radial)	OK (GATES ARE STEEL)
	2	OK - 25 FT WIDE X 19 FT HIGH
Maximum Gate Release		
Capacity (cfs)		16,300/2 = 8150 cfs per GATA
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)		NIA
Discharge Capacity of Outlet		
Works (cfs)		N. A. NO PENSTOCKS
Elevation of Water Supply		AND FEWSTER
Outlet (in Dam)		N.A (NO
Disabasis of the same		)
Discharge Capacity of Water		
Supply Outlet in Dam (cfs)		N. A S
Location of Reservoir Water		N.A.
Supply Outlets	L	, <b>/</b> V , H .
On or Off Channel (ON/OFF)	Offi	ON CHANNEL - LEWIS CREEK
Stream if Off-Channel	channel of Lake Conroe	SPILLWAY DISCHARGES TO LAKE CONFOE
ield Type (FY:Firm Yield,SY:		TO DESCRIPTION OF THE COURSE
Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	0	NNKNOWN
Year 2060 Yield (acre-feet)		UNKNOWN
River Basin	San Jacinto	
Stream	Lewis Creek	
County	Montgomery	
Nearest town	Willis	
Distance from	77(110)	
Nearest Town (miles)	3 miles W	

COMMENT ON CHANNEL

LEWIS CREEK IS A TRIBHTARY OF THE WEST FORK OF THE SAN JACINTO RIVER. THE RESEVOIR HAS THE FOLLOWING CREEKS THAT FRED THE RESEVOIR

- 1) HULON CREEK FROM ITS DAM ON EAST SIDE OF RESEVOIR
- Z) 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		WATER IS NOT FOR RESALE, ONLY
(Ac-Ft/Yr)		WATER IS NOT FOR RESALE, OALY USED FOR POWER PLANT COOLING PHAPOSE
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	

<sup>\*</sup> 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 all #
on Office # 409-981-2369

Jim Monissey 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, P.E.

Attachments Lewis Creek Dam Datasheet

		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	pavlok, rodman & usace, army, mil CESWF-EC-H
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H
Address	Worth, TX 76102-0300	
Elevation		
of TOC (feet)	522.0	
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	640,986	
Original Surface	20.500	_/
Area at TOC (acre)	29,592	. V
Original Dead Pool Volume		
(acre-feet)		
		·
Last Survey Conservation	T40.000	571071
Pool Total Volume (acre-feet)	543,988	571926
Last Survey Conservation	F42.000	571926
Pool Capacity (acre-feet)	543,986	0 /1726
Last Survey Dead Pool	2/0	
Volume (acre-feet)	n/a	
Last Survey Area at TOC	29,592	29170
(acres) Date of	20,002	7170
Last Survey	32813	1989
Last Survey Performed by	02010	Turner Collie & Braden Inc.
Total Drainage		TOTAL COME OF DIVINE
Area (mile <sup>2</sup> )	1,660	
Contributing Drainage	1,000	
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	recleation, fish/wildlife
Dam Type	earthfill	
Top of Dam Elevation	Juli III	
(feet)	560	
Dam Length		<i>y</i>
(feet)	32,888	Including Spillway
Dam Height		
(feet)	125	V
Top Width		
(feet)	20	Y
Comments Dam General	legnth includes spillway	
Year(s) of Modifications	1979	
Description of Modifications		Modified embankment, upstream berm
Emergency Spillway Type	uncontrolled	V
Emergency Spillway Location	Right end of dam	left abutment

		Comments	
Emergency Spillway Elevation		. /	
(feet above MSL)	532		
Emergency Spillway Length			
(feet)	560		
(ICCI)			
Maximum Emergency Spillway			
Discharge Capacity (cfs)	216,800	157120 cts at Maximum Design Water	Suffac
Service Spillway Type	0		
Service Spillway Location			
Service Spillway Elevation			ļ
(feet above MSL)			
(leet above Mor)			
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	У	
No. of Hydropower Units			
Generation Capacity (mW)		2128 KW	
Type of Outlet Works	valve		
Elevation of Outlet Works	481.0 low-flow outlets, 448.0 floodwater	outlet works invertelev. 448	, 0
(feet above MSL)	outlets	Low Flow Outlet invert elev. 481	,0
Discharge Capacity of Outlet			
Works (cfs)		11000 cts at spillway Crest Low flow consist of 2-5 ft diameter	
Elevation of Water Supply			STELL
Outlet (in Dam)		invert: 2 at 481.0, 1 at 496.0, 1 at 503.0	
Outlet (III Dairi)			
Discharge Capacity of Water			
Supply Outlet in Dam (cfs)		500 cfs Low flow located in outlet works Tower	
Location of Reservoir Water		Low flow located in outlet works Tower	, '
Supply Outlets	!		4
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		1
Year 2060 Yield (acre-feet)	6,730		1
River Basin	Trinity		1
Stream	Elm Fork Trinity River		1
County	Denton		4
Nearest town	Lewisville		_
Distance from			
Nearest Town (miles)	2 miles NE		
Nearest Town (miles)			

,		Comments
Direction from Nearest Town	NE	
Dam		
Central Latitude	33.0692	V
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	
	01/25/1924, 10/05/1948, 11/24/1948,	
Priority Date(s)	11/24/1975	
Hazard Classification	High	

<sup>\*</sup> 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	
	P.O. Box 1554	
Address	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		02 000
Area at TOC (acre)	-82,600	83,000
Original Dead Pool Volume		
(acre-feet)		1
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	,	December 1991
Last Survey	n/a	
Last Survey Performed by		Bureau of Reclamation
Total Drainage		2 16 502 ag mi nor HCCC
Area (mile <sup>2</sup> )	16,616	? 16,583 sq. mi. per USGS
Contributing Drainage		
Area (mile²)		
Main Purposes	water supply	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	145	
Dam Length		
(feet)	14,400	
Dam Height		
(feet)		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	

ž.

		C-maranta
		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		. 99
(feet above MSL)		. 33
Service Spillway Length (feet)		550
Maximum Service Spillway		321,000 @ 131' MSL
Discharge Capacity (cfs)		J21,000 G 1J1 1101
Comments Service Spillway		
Information		
Type of Gates	tainter(radial)	
Number of Gates	-13	- 12
Maximum Gate Release		26 750 @ 1211 MCT
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)		
Outlot (III Bulli)		
Discharge Capacity of Water		
Supply Outlet in Dam (cfs)		
Location of Reservoir Water	Allender	
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		Barrier.
Stream	Trinity River	the like the late to be the same of the late of the la
Gudani	Polk, San Jacinto,	
County	Trinity, Walker	
Nearest town	Livingston	
Distance from	Livingston	
	6 miles SW	
Nearest Town (miles)	O HIRES SAA	

		Comments
Direction from Nearest Town	SW	
Dam		
Central Latitude	30.6333	
Dam		
Central Longitude	-95.0083	
Total Authorized Consumptive	4.054.400	(Toron Toller Trianderson to an)
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	

<sup>\*</sup> 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

Has your structure	had any significant mod	lifications since 1970?
X Yes	□No	Unknown
If so, what modific	ations were made and w	hen?
See Attachmer	nt 1 that describ	pes improvements, replacements
and repairs	over the past fe	w years.
May we contact the	e design engineer for add	ditional information or for copies of the plans?
X Yes	□No	Unknown
Design Engineer	See Attachment 1	
Do you have any recan have?	presentative photograph	as which the Texas Water Development Board
X Yes	□ No	
Can you furnish the	em in a digital format?	
X Yes	□ No	
		phs or design information on your dam in the s Water Development Board?
Yes	☐ No	N/A
Thank you for your	time!	

Loma alta Dam

## Port of Brownsville

p.1

# 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 to contact me at 956-8:		for Report 126. Please feel free litional information.

Long Alda

Has your structure	had any significant modifica	ations since 1970?
Yes	□ No	Lunknown
If so, what modifie	cations were made and when	?
May we contact th	e design engineer for additio	nal information or for copies of the plans?
Yes	□ No	X Unknown
Design Engineer	SIGLER, CLARK & ASSOC	IATES
Do you have any recan have?	epresentative photographs w	hich the Texas Water Development Board
Yes	No No	
Can you furnish th	em in a digital format?	
Yes	No No	
	nission to share photographs s' archives with the Texas W	or design information on your dam in the ater Development Board?
X Yes	☐ No	
Thank you for you	r time!	

		Comments
Name	Loma Alta Lake	
Impoundment Name	None	
Dam Name	Loma Alta Dam	
	Brownsville Navigation	
Owner	District	
Contact Person	Hecter Lopez	Eduardo A. Campirano
Telephone	956-831-4592	
Fax	956-831-6343	956-831-5006
Email		
	1000 Foust Rd	
Address	Brownsville, TX 78521	
Elevation		
of TOC (feet)	17.5	
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	26,500	<u> </u>
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 <sup>2</sup> )	ol	
Contributing Drainage		
Area (mile <sup>2</sup> )		
	Store water diverted	
	from the Rio Grande	
Main Purposes	(Permit 1838)	
Dam Type	earthfill	
Top of Dam Elevation	OQI D IIII	
(feet)	1	
Dam Length		
(feet)		
Dam Height		
(feet)	18	
Top Width	10	
(feet)	18	
Comments Dam General	earth dike	
Year(s) of Modifications	editii uike	
Description of Modifications		
Emergency Spillway Type	, panat-1-1	
Emergericy opinway Type	uncontrolled	

	T	Comments
Emergency Spillway Location		
Emergency Spillway Elevation		
(feet above MSL)		<b>5</b>
Emergency Spillway Length	17.5	2
(feet)	10	
(leet)	103	0
Marsing the season of Chillenn		
Maximum Emergency Spillway	İ	
Discharge Capacity (cfs)		
Service Spillway Type		)
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)		
Danier Daller at the state of		
Service Spillway Length (feet)		the state of the s
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information :		
Type of Gates	none	
Number of Gates		44
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	лопе	
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	
field Type (FY:Firm Yield,SY:		
Safe Tield,Other)		
Year 2010 Yield (acre-feet)		
Year 2060 Yield (acre-feet)		
	Nueces-Rio Grande	
River Basin	Coastal	
	Rancho Viejo	
Stream	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)	o	
Permit Number(s)		WA
Latest Amendment		
Authorized Impoundment	26,500	
Priority Date(s)		
Hazard Classification	0	

<sup>\*</sup> 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 BIRI) LAKE Dam Name Longhorn Dam LONG HORN DAM Owner City of Austin /AE **Contact Person** Mike Lowe, P.E., LCRA Telephone 512-499-2000 Fax 512-972-0138 BASHERR MOHAMAD OR BOBBY GOSTY Email E. LAKE CONTROL & MAINTENANCE Address P.O. Box 1088 Austin, TX 78767 512-505-78 DI OR 505-7863 TOPOF CREST ELENATION Elevation NOLMAL LEVEL of TOC (feet) 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** VOLUME METRIC SURVEY Pool Capacity (acre-feet) 6,248 **Last Survey Dead Pool** Volume (acre-feet) n/a Last Survey Area at TOC (acres) 477 Date of LAST VOLUME METRIC SURVER **Last Survey** 36220 Last Survey Performed by Total Drainage Area (mile2) Contributing Drainage Area (mile2) municipal, recreation, cooling, Main Purposes irrigation Dam Type earthfill Top of Dam Elevation (feet) 460 Crest Elevation Dam Length (feet) 760 Dam Height (feet) Top Width (feet) earthfill and gravity NID 2006, rock Comments Dam General and soil foundation Year(s) of Modifications **Description of Modifications Emergency Spillway Type** controlled **Emergency Spillway Location** 

2 1020

MILE

Emergency Spillway Elevation		Comments
(feet above MSL)		
Emergency Spillway Length	434.6	
(feet)		
1	500	
Maximum Emergency Spillway		
Discharge Capacity (cfs)		
Service Spillway Type	80,000	
Service Spillway Location	0	
Service Spillway Elevation		
(feet above MSL)	-	
(1901 BROAD IAIDT)	428	
ervice Spillway Length (feet)		
Maximum Service Spillway		•
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Cod		
Type of Gates	vertical lift	(7) VERTICAL LIET / TO
Number of Gates	9	
Maximum Gate Release	-	(3) BASCULES AUTOMATIC CONTR.
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Seneration Capacity (mW)		
Type of Outlet Works	0	
levation of Outlet Works	7	
(feet above MSL)	1	
scharge Capacity of Outlet		
Works (cfs)	1	
levation of Water Supply		
Outlet (in Dam)		
charge Capacity of Water		
upply Outlet in Dam (cfs)	1	
cation of Reservoir Water		
Supply Outlets	1	
or Off Channel (ON/OFF)		
Stream if Off-Channel	On	
Type (FY:Firm Yield,SY:		
Safe Tield,Other)	_]	
ar 2010 Yield (acre-feet)	FY	
ar 2060 Yield (acre-feet)		
River Basin		
Stream	Colorado	
County	Colorado River	
Nearest town	Travis	
Distance from	Austin	
learest Town (miles)		
dandar (dames)	0 mile	<b>)</b> .

		Comments
Direction from Nearest Town		
Dam		
Central Latitude	30.25	
Dam		
Central Longitude	-97.7133	
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	ما	
	U	
Total Non Consumptive Use		·
(Ac-Ft/Yr)		, 4
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose		
Consumptive Diversion	n	·
Water Right or Application		
Number(s)	C5471	
Permit Number(s)		,
Latest Amendment	С	
Authorized Impoundment	3,520	
	06/30/1913, 06/27/1914,	
Priority Date(s)	12/31/1928, 03/05/1959	
Hazard Classification	Significant	

<sup>\*</sup> 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

	SM
	AIGHE
4 37	
$\mathbf{A}\mathbf{X}$	

JANIS MurpHu

Phone: Fax phone: CC:

Date:	7	1221	08		
Number of	pages	includin	g cover sheet:	4	

From: K	BBy GOSFY
1,00	9 00,00
Phone:	512-505-7803
Cellular	512-505-7803 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	
	112 W. Belknap	
Address	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 <sup>2</sup> )	29	
Contributing Drainage		
Area (mile <sup>2</sup> )		
	flood control, water	
Main Purposes	supply	
Dam Type	earthfill	,
Top of Dam Elevation		
(feet)	1,029	
Dam Length	0.000	
(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		,

; (

ſ .		Comments
Emergency Spillway Elevation		
(feet above MSL)		
Emergency Spillway Length		
(feet)	1200	
(1001)		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	0	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)		
(loctabovo moz)		
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	

τ

		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	
	03/18/1949,	
Priority Date(s)	11/15/1962, 04/25/1977	
Hazard Classification	Significant	

<sup>\*</sup> 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 (reck

Has your structure had an	ny significant modifications sind	ce 1970?	
Yes	□No	Unknown	Buildin 1
If so, what modifications	were made and when?		
May we contact the desig	n engineer for additional inform	nation or for copies	s of the plans?
Yes	□ No	Unknown	
Design Engineer/_	DR Engin	EERING	-
	ntative photographs which the T		
Yes	☑ No		
Can you furnish them in a	digital format?		
Yes	[4No		
May we have permission Freese and Nichols' archi	to share photographs or design ves with the Texas Water Deve	information on you lopment Board?	ar dam in the
Yes	□No		
Thank you for your time!			

		Comments
Name	Travis, Lake	
Impoundment Name		
Dam Name	Mansfield Dam	Cn_A
		FREZ MILLET AN MIL
Owner	Lower Colorado River Authority	D V A J
Contact Person	Mike Lowe, P.E.	POR TUTIOR.
Telephone	512-473-4076	11.2.1
Fax	512-473-3551	CARRELICA TIPONT
Email	jkabir@lcra.org	
Address	P.O. Box 220 Austin, TX 78767	
Elevation		
of TOC (feet)	681.0	
Dead Pool Elevation (feet)		The state of the s
Original Conservation		
Pool Total Volume (acre-feet)	1,172,600	
Original Surface	1,172,000	
Area at TOC (acre)	18,622	
Original Dead Pool Volume	10,022	
(acre-feet)		
(acre-reer)		
Last Supray Consequation		
Last Survey Conservation	4 400 470	
Pool Total Volume (acre-feet)	1,132,172	approximately and the second s
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	2
Last Survey Performed by		
Total Drainage		
Area (mile <sup>2</sup> )	38,130	
Contributing Drainage		
Area (mile <sup>2</sup> )	26,230	
, 100 (nmo )	water supply, hydroelec, flood	
Main Purposes	control	
Dam Type Top of Dam Elevation	concrete	
(feet)	750	
Dam Length	750	
- 1	7 000	
(feet)	7,098	g
Dam Height	000 (0	queent Published AT
(feet)	266 (Report 126); 278 (NID 2006)	CHERON FUELCHES AL
Top Width	top width 20 ft, roadway width	-
(feet)	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 12 curred Publisher
Emergency Spillway Length		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
(feet)	700	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	572,000	
Service Spillway Type	0	
Service Spillway Location		9
Service Spillway Elevation		
(feet above MSL)	714	
On the Online of another (Foot)	·	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information Type of Coton		- 12/2010 - 12/20
Type of Gates	other	
Number of Gates		
Maximum Gate Release	5000 (am a sasta)	
Capacity (cfs)	5200 (one gate)	
Hydropower (Y/N)	<u> </u>	
No. of Hydropower Units	3	<del></del>
Generation Capacity (mW)	/02 -85	10/1/
Type of Outlet Works	other	
Elevation of Outlet Works	505.0	
(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:	İ	
Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	381,545	
Year 2060 Yield (acre-feet)	374,642	And the second s
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	Municipal, Industrial, Irrigation,	
Consumptive Diversion	Mining	
Water Right or Application		
Number(s)	C5482, P5730, P5677	
Permit Number(s)	5730, 5677	
Latest Amendment	5482C	
Authorized Impoundment	1,170,752	
	03/29/1926, 03/07/1938,	
Priority Date(s)	02/02/2000	
Hazard Classification	High	

<sup>\*</sup> 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	1
		5.0 the level
Owner	Lower Colorado River Authority	Jee Burrown
Contact Person	Mike Lower P.E.	TO A TOP A. T.
Telephone	512-473=4076	fall till and total
		18 CITIVINI
Fax	512-473-3551	- forth pro-
Email	jkabir@lcra.org	10 20 1/29
Address	P.O. Box 220 Austin, TX 78767	s ·
Elevation		
of TOC (feet)	738.0	, ,
Dead Pool Elevation (feet)		
Original Conservation	122	
Pool Total Volume (acre-feet)	0.700	
Original Surface	8,760	
Area at TOC (acre)	780	
Original Dead Pool Volume		
(acre-feet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	6,420	
Last Survey Conservation	0,120	
Pool Capacity (acre-feet)	6,420	
Last Survey Dead Pool	0,420	
	, ,	
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 <sup>2</sup> )	26 225	
	36,325	
Contributing Drainage	.	
Area (mile²)		
Main Purposes	hydroelec	
Dam Type	gravity	
Top of Dam Elevation		
(feet)	766	
Dam Length	700	
(feet)	000	
	860	
Dam Height	Van a 10 / 10 10 10 10 10 10 10 10 10 10 10 10 10	- What's the difference?
(feet)	98.8 (Report 126); 99 (NID 2006)	wings y rhe deliter space
Top Width		·
(feet)		
	concrete with roof-weir gates.	any only
	98.8 ft to top of control piers,	
Comments Dam General	legnth includes the powerhouse	
Year(s) of Modifications	Tour 7 1995	WHEN I WHEN I WAS A STREET
Description of Modifications	716.6. X 1990	
Emergency College Terri		
Emergency Spillway Type	controlled	
		į į
Emergency Spillway Location		li li

		Comments
Emergency Spillway Elevation		
(feet above MSL)	725	
Emergency Spillway Length		
(feet)	608.3	Channel cognity  spay is drewel out in  exiouse Lead events
Manufacture Forest Continued	chen N	SPUN 15 drough AIT IN
Maximum Emergency Spillway	421,000	The state of the s
Discharge Capacity (cfs)	421,000	SXIOLOGEZ SZOCH PULLO
Service Spillway Type		
Service Spillway Location		
Service Spillway Elevation (feet above MSL)	728	
(reet above MSL)	120	
   Service Spillway Length (feet)		·
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		1 / 3
Type of Gates	other	injuged coest (lest) gates
Number of Gates	10 -12	
Maximum Gate Release		123
Capacity (cfs)	104,000 01	
Hydropower (Y/N)	Y	
No. of Hydropower Units	. 2	
Generation Capacity (mW)	3's =15	Totali
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)	the first of seasons	
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		And the second s
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	В	
Authorized Impoundment	8,760	
	04/04/1895, 03/27/1905,	
Priority Date(s)	03/29/1926	
Hazard Classification	Significant	

<sup>\*</sup> 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 <sup>2</sup> )	228	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, flood control	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	1,355	
Dam Length	0.050	
(feet)	9,250	
Dam Height	75	
(feet)	75	
Top Width	20	
(feet) Comments Dam General	20	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spinway Type	uncontrolled	
Emergency Spillway Location	upstream from left end of dam	
Emergency Spillway Elevation (feet above MSL)	1340	
(leet above MOL)	1340	

ŧ.

		Comments
Emergency Spillway Length		- Commons
(feet)	3000	
(1001)	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	near right end of the dam	
(feet above MSL)	1,331	1334,50
(leet above MSL)	1,001	1001,00
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway	uncontrolled drop inlet, concrete	
Information	conduit, 5x5 ft	
Type of Gates	valve	
Number of Gates	2	
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units	14	
Generation Capacity (mW)		
Type of Outlet Works	valve	
Elevation of Outlet Works	vaive	
(feet above MSL)	1,305.0	
Discharge Capacity of Outlet	1,303.0	
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
Oddet (III Dairi)		
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	
Sueam	Baylor & Throckmorton	
County	(Reservoir)	
Nearest town	Goree	
Distance from	Goree	
Nearest Town (miles)	9 miles SE	
inearest rown (illies)	a miles of	

.

		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	2011	
Number(s)	C3444	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	30,696	
Priority Date(s)	10/01/1958	
Hazard Classification	Significant	

<sup>\*</sup> 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

Has your structure	had any significant modifica	itions since 1970?
Yes	⊠ No	Unknown
If so, what modifie	cations were made and when	?
May we contact th	e design engineer for addition	nal information or for copies of the plans?
X Yes	☐ No	Unknown
Design Engineer	TRESSE & NICHOUS	-
Do you have any r can have?	epresentative photographs wl	hich the Texas Water Development Board
Yes	☑ No	
Can you furnish th	nem in a digital format?	
Yes	☐ No	
	nission to share photographs of archives with the Texas Wa	or design information on your dam in the ater Development Board?
X Yes	☐ No	
Thank you for you	r time!	

## Texas Water Development Board Update of Data for Report 126

Mineral Wells Down

Has your structure had any si	ignificant modifications since	1970?
X Yes	☐ No	Unknown
If so, what modifications we	re made and when?	
Anron/	dary Spillway / 1975 Primar	y Spillway Discharge
May we contact the design e	ngineer for additional informa	ation or for copies of the plans?
Yes	□No	X Unknown
Design Engineer		
Do you have any representate can have?	ive photographs which the Te	xas Water Development Board
X Yes	☐ No	
Can you furnish them in a di	gital format?	
X Yes	☐ No	
May we have permission to Freese and Nichols' archives	share photographs or design in s with the Texas Water Develo	nformation on your dam in the opment 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	
	P.O. Box 460 Mineral	•
Address	Wells, TX 76068	
Elevation		
of TOC (feet)	863.4	
Dead Pool Elevation (feet)		<b>8€</b>
		•
Original Conservation	6.760	
Pool Total Volume (acre-feet)	6,760	
Original Surface	646	
Area at TOC (acre) Original Dead Pool Volume	040	
(acre-feet)		
(acre-reet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	7,065	
Last Survey Conservation	7,000	
Pool Capacity (acre-feet)	7,065	
Last Survey Dead Pool	7,000	
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 <sup>2</sup> )	<del>-640</del>	63.3
Contributing Drainage		
Area (mile <sup>2</sup> )		
	water supply, flood	, ,
Main Purposes	control	
Dam Type	earthfill	
Top of Dam Elevation		873.9
(feet)	863	V1 V.V
Dam Length		1,650
(feet)	1,760	<b>!</b>
Dam Height	73.9 (Report 126), 70	
(feet)	(NID 2006)	
Top Width		20
(feet)		
Comments Dam General	, , , , , , , , , , , , , , , , , , ,	
Year(s) of Modifications		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	
Dutanami Q III I II		Left side of the Dam on the East end.
Primary Spillway Location		

		Comments
Primary Spillway Elevation		
(feet above MSL)	863.4	
Primary Spillway Length	932 (Report 126); 1145	
(feet)	(NID 20060	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	122,427	
Spillway Type	Uncontrolled	
SecondarySpillway Location		·
SecondarySpillway 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	

		Commonto
Direction from Nearest Town	F	Comments
Dam		
Central Latitude	32.8164	·
Dam	32.0104	
Central Longitude	00.0447	
Central Congitude	-98.0417	
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	2,520	
Total Non Consumptive Use	2,020	
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
Type of the Multiple Division		
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	The state of the s
Hazard Classification	High	

<sup>\*</sup> 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

Other Name(s) Impoundment Name	Possum Kingdom Lake	
Impoundment Name		
Dam Name	Morris Sheppard Dam	
Name Source		
Name Comments		
	Y	
Updated Since Report 126?		
(Y or N)		
	Ambursen Engineering Company	
	C.F. Lytle and A.L. Johnson \$7,000,000	
Construction Cost	the state of the s	
	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	
Construction Comments	AID 2000, Roport 120	
	Brazos River Authority	
	Terry Lopas	Phil Ford
	254-761-3181	254-761-3100
	254-761-3205	
	tlopas@brazos.org	pford@brazos.org
	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-		704 700
feet)	724464	724,739
Original Surface	10000	
Area at TOC (acre)	19800	
Original Dead Pool Volume		
(acre-feet)		
Year Construction	May 29, 1938	
	19127 20, 1000	
Started		
Started Year of	1941	
Started Year of Completion	1941 March 21, 1941	
Started Year of	1941 March 21, 1941	
Started Year of Completion	March 21, 1941 Report 126	
Started Year of Completion Year Impoundment Began	March 21, 1941  Report 126  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	54 inch gutlet has been concreted in
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information	March 21, 1941  Report 126  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,	54-inch outlet has been concreted-in
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information	March 21, 1941  Report 126  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	54-inch outlet has been concreted-in
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acre-	March 21, 1941  Report 126  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
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet)	March 21, 1941  Report 126  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	54-inch outlet has been concreted-in
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefect) Last Survey Conservation	March 21, 1941  Report 126  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
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet)  Last Survey Conservation Pool Capacity (acre-feet)	March 21, 1941  Report 126  JJR: Spiliway 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
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool	March 21, 1941  Report 126  JJR: Spiliway 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
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acrefeet)	March 21, 1941  Report 126  JJR: Spiliway 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.  540340	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool	March 21, 1941 Report 126  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; hivert 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.  540340	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acre-feet) Last Survey Area at TOC (acres) Date of	March 21, 1941  Report 126  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.  540340  0 16716	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey	March 21, 1941  Report 126  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.  540340  0  16716	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey Last Survey Last Survey Last Survey	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) 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 Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Last Survey Source Last Survey	March 21, 1941  Report 126  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.  540340  0  16716	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Pead Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey Last Survey Performed by Source Last Survey Comments Last Survey	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey Last Survey Last Survey Last Survey Comments Last Survey Comments Last Survey Other Surveys	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey Last Survey Last Survey Last Survey Comments Last Survey Comments Last Survey Other Surveys Source Other Surveys	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Pead Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Performed by Source Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Pead Pool Last Survey Area at TOC (acres) Date of Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²)	March 21, 1941  Report 126  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.  540340  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Pead Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile <sup>2</sup> ) Contributing Drainage	March 21, 1941  Report 126  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.  540340  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) 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 Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) 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 Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area	March 21, 1941 Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  23596  14030  NID 2006	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Peaf Pool Volume (acrefeet) Last Survey Peaf Pool Last Survey Area at TOC (acres) Date of Last Survey Last Survey Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Contents Survey Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Source Drainage Area Main Purposes	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  23596  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) 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 Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Main Purposes Main Purposes	March 21, 1941 Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  23596  14030  NID 2006	
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Performed by Last Survey Area at TOC (acres) Date of Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey 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	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete-	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Peaf Pool Volume (acrefeet) Last Survey Peaf Pool Volume (acrefeet) Last Survey Area at TOC (acres) Date of Last Survey Last Survey Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Control Survey Source Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Source Drainage Area (mile²) Source Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet)	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  23596  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Performed by Source Last Survey Cartes Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Source Drainage Area Comments Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Length	March 21, 1941  Report 126  JJR: Spiliway 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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  23596  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete.	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Performed by Source Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile <sup>2</sup> ) Contributing Drainage Area (mile <sup>2</sup> ) Source Drainage Area Comments Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Length (feet)	March 21, 1941  Report 126  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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete-	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acre-feet) Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Date of Last Survey Comments Date of Last Survey Comments Date of Conservation Storage Total Drainage Area (mille²) Source Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Length (feet) Dam Height	March 21, 1941  Report 126  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.  540340  00  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete-	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acre-feet) Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Total Drainage Area (mile²) Source Drainage Area Comments Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Height (feet)	March 21, 1941  Report 126  JJR: Spiliway 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.  540340  0  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  23596  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete.	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Performed by Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Length (feet) Top Width	March 21, 1941  Report 126  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.  540340  0  16718  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete-  1024  2740  189 (Report 126); 188.5 (NID 2006)	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Dead Pool Volume (acrefeet) Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Conservation Storage Total Drainage Area (mile²) Source Drainage Area Comments Drainage Area Comments Drainage Area Comments Drainage Area Comments Drainage Area Comments Drainage Area Comments Drainage Area Comments Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Height (feet) Top Width (feet)	March 21, 1941  Report 126  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.  540340  00  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete-  1024  2740  189 (Report 126); 188.5 (NID 2006)	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acre-feet) Last Survey Performed by Source Last Survey Cares) Date of Last Survey Acres Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Source Drainage Area Comments Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Height (feet) Dam Height (feet) Source Dam General	March 21, 1941  Report 126  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.  540340  00  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete.  1024  2740  189 (Report 126); 188.5 (NID 2006)	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acre-feet) Last Survey Performed by Source Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Source Drainage Area (mile²) Source 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	March 21, 1941  Report 126  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.  540340  00  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete-  1024  2740  189 (Report 126); 188.5 (NID 2006)	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Performed by Coume (acrefeet) Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Length (feet) Top Width (feet) Source Dam General Comments Dam General Comments Dam General Comments Dam General	March 21, 1941  Report 126  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.  540340  00  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete.  1024  2740  189 (Report 126); 188.5 (NID 2006)  14.8  NID 2006, Report 126  Ambursen-type, buttress with flat-slab deck and an earthen dike 1994	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acre-feet) Last Survey Performed by Source Last Survey Last Survey Performed by Source Last Survey Comments Last Survey Other Surveys Modification(s) to Conservation Storage Total Drainage Area (mile²) Source Drainage Area (mile²) Source 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	March 21, 1941  Report 126  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.  540340  00  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete.  1024  2740  189 (Report 126); 188.5 (NID 2006)  14.8  NID 2006, Report 126  Ambursen-type, buttress with flat-slab deck and an earthen dike 1994	Concrete slab-and-buttress (ie Ambursen type)
Started Year of Completion Year Impoundment Began Source Original Information  Comments Original Information  Last Survey Conservation Pool Total Volume (acrefeet) Last Survey Conservation Pool Capacity (acrefeet) Last Survey Performed by Coume (acrefeet) Last Survey Performed by Source Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Comments Last Survey Total Drainage Area (mile²) Contributing Drainage Area (mile²) Source Drainage Area Main Purposes Dam Type Top of Dam Elevation (feet) Dam Length (feet) Top Width (feet) Source Dam General Comments Dam General Comments Dam General Comments Dam General	March 21, 1941  Report 126  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.  540340  00  16716  Dec 2004-Jan 2005  TWDB  Volumetric Survey of Possum Kingdom Lake, 2006  14030  NID 2006  water supply, hydroelectric, irrigation, Mining, Industrial concrete.  1024  2740  189 (Report 126); 188.5 (NID 2006)  14.8  NID 2006, Report 126  Ambursen-type, buttress with flat-slab deck and an earthen dike 1994	Concrete slab-and-buttress (ie Ambursen type)

		Uncontrolled
Emergency Spillway Type Emergency Spillway	none	Officina officed
Location		right side of dam facing downstream
Emergency Spillway		
Elevation (feet above MSL)		1,000
Emergency Spillway Length		1,400
(feet)		1,400
Maximum Emergency		470 000 (using DMF abody at MCC)
Spillway Discharge		473,000 (using PMF study at WSEL 1024 ft)
Capacity (cfs) Source Emergency Spillway		102414
Information		
Comments Emergency		
Spillway Information	an when the at	1
Service Spillway Type Service Spillway Location	controlled center of dam	
	COMO CI Carr	
Service Spiliway Elevation (feet above MSL)		
	987	
Service Spillway Length (feet)	729	707
Maximum Service Spillway Discharge Capacity (cfs)	guero's	500,600 (using PMF study at WSEL
	51500	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	Doof weir gates (Rear tran gates)
Type of Gates	other 9	Roof-weir gates (Bear trap gates)
Number of Gates  Maximum Gate Release		500,600 (using PMF study at WSEL
Capacity (cfs)		1024 ft)
Source Gates	NID 2006	
Comments Gates Hydropower (Y/N)	roof-weir gates	,
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	Yarv	, , , , , , , , , , , , , , , , , , ,
(feet above MSL)	874.8	Regulating pier outlets 974.5-ft
Discharge Capacity of		Each regulating pier 99-cfs; 198-cfs total (at 999 ft above msl)
Outlet Works (cfs) Elevation of Water Supply		Each regulating plot 35-big, 150-big total (at 500 ft above may)
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 of	Normal discharge is from hydro turbines; also two - 24-inch sluice gates and outlet pipes.
Location of Reservoir Water		Outlet pipes in regulating piers 8 and 14
Supply Outlets Source Water Supply		Outlet pipes in regulating piers o and 14
Locations		
Comments Water Supply		
Locations		
On or Off Channel (ON/OFF)	on	
Stream if Off-Channel		
Yield Type (FY,SY,Other)	FY 220750	287,030
Year 2010 Yield (acre-feet) Year 2060 Yield (acre-feet)	230750 230750	· ·
Source Yield	DB07	Brazos River Authority
Comments Yield		
River Basin	Brazos Brazos River	
Stream County	Palo Pinto	·
Nearest town	Graham	
Distance from	40.17. 05	
Nearest Town (miles) Direction from Nearest	18 Miles SE	
Town	SE	
Source Location	Report 126, Verified using Google Maps	
Comments Location		
Water Planning Region	G	Brazos G
Dam		
Central Latitude	32.8711	
	1	
Dam Control Longitude	-98 4261	
Central Longitude	-98.4261 NID 2006, Google Earth	
Central Longitude Source Lat/Long Upstream USGS Gauge	NID 2006, Google Earth	
Central Longitude Source Lat/Long Upstream USGS Gauge Number(s)		
Central Longitude Source Lat/Long Upstream USGS Gauge Number(s) Upstream USGS Gauge	NID 2006, Google Earth 08088000	
Central Longitude Source Lat/Long Upstream USGS Gauge Number(s)	NID 2006, Google Earth	
Central Longitude Source Lat/Long Upstream USGS Gauge Number(s) Upstream USGS Gauge Name(s) Down Stream USGS Gauge Number(s)	NID 2006, Google Earth 08088000	
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	NID 2006, Google Earth  08088000  Brazos River near South Bend, Tex.  08088610	
Central Longitude Source Lat/Long Upstream USGS Gauge Number(s) Upstream USGS Gauge Name(s) Down Stream USGS Gauge Number(s)	NID 2006, Google Earth  08088000  Brazos River near South Bend, Tex.	

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)		
ALTERNATION CONTRACTOR OF THE PROPERTY OF THE	CA	
Water Right or Application		CA 12-5155
Number(s)	C5155	CA 12-0100
Permit Number(s)		
Latest Amendment	70.1700	
Authorized Impoundment	724739	
Priority Date(s)	04/06/1938, 11/07/1986	
Source Water Rights	Torso n. ( )	
Information	TCEQ Database	
Comments Water Rights		
Information	200001	
WAM Reservoir ID	POSDOM	
WAM Control Point ID for	515504	
Dam	515531	
Other Associated WAM		
Control Point IDs	X 1.5. L	
Hazard Rating	High	J

PK

# Morris Sheppard Dam (lake Possum Krydom)

Has your structure had any s	ignificant modifications since	1970?
XYes	□No	Unknown
If so, what modifications were  Down Stobilization  Added Stilling  May we contact the design en	re made and when? Addef Spillway Bridg Basin  ngineer for additional informa	Allef e; Emergency Spillway; ation or for copies of the plans?
⊠ Yes	□No	Unknown
Design Engineer Treese	- Michols	
Do you have any representate can have?	ive photographs which the Te	xas Water Development Board
X Yes	□No	
X Yes Only if FNI con.	not provide,	
Can you furnish them in a di		
Yes	⊠ No	
-	share photographs or design in with the Texas Water Develo	nformation on your dam in the opment Board?
Yes	☐ No	
Thank you for your time!		





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 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

		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.	- AAAMAA
Modification Contractor	ballast - ASI-RCC Inc	
Modification Contractor	stilling basin - Martin K Eby	
Modification Cost	ballast - \$6,729,000	
	stilling basin - \$3,515,383	
Construction Source	NID 2006, Report 126	
Construction Comments	Provos Bivor Authority	
Owner Contact Person	Brazos River Authority Terry Lopas	Phil Ford
Contact Person	254-761-3181	254-761-3100
Telephone Fax	254-761-31 <del>61</del> 254-761-3205	20-7-7-01-0100
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-	724464	724,739
feet) Original Surface	124404	124,100
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-	- 100 10	
feet)	540340	
Last Survey Conservation	540340	
Pool Capacity (acre-feet)  Last Survey Dead Pool	540340	
Volume (acre-feet)	0	
Last Survey Area at TOC		
(acres)	16716	
Date of		
Last Survey	Dec 2004-Jan 2005	
Last Survey Performed by	TWDB	

š ·

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 <sup>2</sup> )	23596	
Contributing Drainage		
Area (mile²)	14030	)
Source Drainage Area	NID 2006	
Comments Drainage Area		
Main Purposes	water supply, hydroelectric,irrigation, Mining, Industrial	
Dam Type		Concrete slab-and-buttress (ie Amburser
	<del>concrete</del>	type)
Top of Dam Elevation	4004	
(feet)	1024	•
Dam Length	2740	
(feet)	2740	
Dam Height	189 (Report 126); 188.5 (NID 2006)	
(feet) Top Width	109 (Nepolt 120), 100.0 (NID 2000)	
(feet)	14.8	
Source Dam General	NID 2006, Report 126	
Comments Dam General	Ambursen-type, buttress with flat-slab deck and an earthen dike	1
Year(s) of Modifications	1994	
<b>Description of Modifications</b>		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)		
•		1,00
Emergency Spillway Length		4.40
(feet)		1,40
Maximum Emergency		473,000 (using PMF study at WSEL 1024
Spillway Discharge Capacity		, , ,
(cfs) Source Emergency Spillway		ft)
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	70
Maximum Service Spillway		
Discharge Capacity (cfs)		500,600 (using PMF study at WSEL 1024
	51500	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		500,600 (using PMF study at WSEL 102-
Capacity (cfs)	NID 2006	ft)
Source Gates		

	Leaf vicin cotoo	
Comments Gates	roof-weir gates	
Hydropower (Y/N) No. of Hydropower Units	7 2	
	11.25	12.00
Generation Capacity (mW) Source Hydropower	NID 2006	12.00
Comments Hydropower	NID 2000	
Comments rydropower		Hydropower release and sluice gates in
Type of Outlet Works	valve	regulating piers
Elevation of Outlet Works		
(feet above MSL)		Regulating pier outlets 974.5-ft
Discharge Capacity of Outlet	,	Each regulating pier 99-cfs; 198-cfs total
Works (cfs)		(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	
30urce Outlets	Inchort 120	Normal discharge is from hydro turbines;
Commente Cutlete		also two - 24-inch sluice gates and outlet
Comments Outlets	1 conduit, 54 inch diameter. Normal discharge is from turbine or	_
Location of Reservoir Water	Touridant, or mon diameter. Normal disordings is nort turbine of	pipoo.
		Outlet pipes in regulating piers 8 and 14
Supply Outlets		Outlet pipes in regulating piers o and 14
Source Water Supply		
Locations Commente Water Supply		
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	00000000	
Number(s)	08088000	
Upstream USGS Gauge	Drawan Divar near South Bond, Toy	
Name(s) Down Stream USGS Gauge	Brazos River near South Bend, Tex.	
	00000610	
Number(s)	08088610	
Down Stream USGS Gauge	Branco Bivos noos Crofe-d T	-
Names(s)	Brazos River near Graford, Tex.	
Reservoir USGS Gauge	00000500	
Number	08088500	
Reservoir USGS Gauge	Becaum Kingdom Lake near Croford Toy	
Name	Possum Kingdom Lake near Graford, Tex.	

v Line

Source USGS Gauge Data	1999 Index of Stations	
Comments USGS Gauge	1000 Index of Otations	
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	
<b>Total Non Consumptive Use</b>		
(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	
	04/06/1938, 11/07/1986	
Source Water Rights		
Information	TCEQ Database	
Comments Water Rights		
Information		•
	POSDOM	
WAM Control Point ID for		
Dam	515531	
Other Associated WAM		
Control Point IDs		
Hazard Rating	High	
	The state of the s	

Has your structure had a	ny significant modifica	itions since 1970?
Yes	No	Unknown
If so, what modifications	s were made and when?	?
May we contact the design	gn engineer for addition	nal information or for copies of the plans?
Yes	☐ No	🔀 Unknown
Design Engineer		
Do you have any represe can have?	ntative photographs wh	nich the Texas Water Development Board
X Yes	☐ No	
Can you furnish them in	a digital format?	
X Yes	☐ No	
May we have permission Freese and Nichols' archi		or design information on your dam in the ter Development Board?
Yes 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	
	2233A Mt Creek Parkway	
Address	Dallas, TX 75211	
Elevation		
of TOC (feet)	457.0	)
Dead Pool Elevation (feet)	`	
Original Conservation		
ool Total Volume (acre-feet)	22,840	
Original Surface		
Area at TOC (acre)	2,710	
Original Dead Pool Volume		
(acre-feet)		
ast Survey Conservation		
ol Total Volume (acre-feet)	22,840	
ast Survey Conservation		
Pool Capacity (acre-feet)	22,840	
Last Survey Dead Pool	<u>.</u>	
Volume (acre-feet)		
ast Survey Area at TOC	0.740	
(acres)	2,710	
Date of	. 1	
Last Survey	n/a	
ast Survey Performed by		
Total Drainage		
Area (mile²)	295	
Contributing Drainage		
Area (mile <sup>2</sup> )		
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	****	<u></u>
Year(s) of Modifications	1999	No modification have been made
escription of Modifications		No modification have been made sine 1953 when flash board were
mergency Spillway Type	controlled	
gency Spillway Location	center of Dam	

		Comments
Emergency Spillway Elevation		Comments
(feet above MSL)	431	
Emergency Spillway Length	701	
(feet)	204	
(leet)	204	·
Maximum Emergency Spillway		
Discharge Capacity (cfs)	135,274	
Service Spillway Type	100,274	concrete
Service Spillway Location	0	Dallas
Service Spillway Elevation		valias
(feet above MSL)	431	
(leet 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		Nove
Generation Capacity (mW)		NA
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	ľ	
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	

, prije

		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-		2 1 1
Consumptive Diversion	0	? zero not correct
Type of Use, Multiple Purpose		? zero not correct
Consumptive Diversion	0	· Lao Iwi witat
Water Right or Application	00400	
Number(s)	C3408	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	22,840	
Priority Date(s)	03/12/1929	
Hazard Classification	High	

<sup>\*</sup> 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	WADE KIRK 903-693-6562
Fax	same as phone so call first to inform	SAME. Wade Kirle@gmail.com
Email	hsmith1605@aol.com	Wade Kirle@ gmail.com
Address	154 CR 1839 Carthage, TX 75633	
Elevation	205.2	
of TOC (feet)	265.3	
Dead Pool Elevation (feet)		
Original Consequation		
Original Conservation Pool Total Volume (acre-feet)	44,650	
Original Surface	44,000	
Area at TOC (acre)	3,397	
Original Dead Pool Volume	0,001	
(acre-feet)		
(dore reet)		
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 <sup>2</sup> )	115	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	280	
Dam Length	0.000	
(feet)	8,300	
Dam Height	46	
(feet) Top Width	40	
(feet)	10	
Comments Dam General	soil foundation, earth core	
Year(s) of Modifications	con roundation, cartir core	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	
Emergency Spillway Elevation		
(feet above MSL)	265.3	
\		

Control of

		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	

<sup>\*</sup> 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

Has your structure	had any significant modifica	tions since 1970?
Yes	No	Unknown
If so, what modific	ations were made and when?	, · •
NEW RIP R	AP in 2006	
May we contact the	e design engineer for addition	nal information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer _	KSA	
Do you have any recan have?	epresentative photographs wh	nich the Texas Water Development Board
Yes	No	
Can you furnish the	em in a digital format?	
Yes	No	
	ission to share photographs of archives with the Texas Wa	or design information on your dam in the ster Development Board?
Yes	☐ No	
Thank you for your	time!	

Nasworthy

Has your structure had	d any significant modifica	tions since 1970?
Yes	No.	Unknown
If so, what modification	ons were made and when?	
May we contact the de	esion engineer for addition	nal information or for copies of the plans?
way we contact the di	soigh engineer for addition	iar miormation of for copies of the plans.
Yes	☐ No	Unknown
Design Engineer		
Do you have any represan have?	esentative photographs wh	nich the Texas Water Development Board
Yes	No	
Can you furnish them	in a digital format?	
Yes	☐ No	
	ion to share photographs or rchives with the Texas Wa	or design information on your dam in the ater Development Board?
Yes	☐ No	
Thank you for your tir	me!	

		Comments
Name	Nasworthy, Lake	A CHARLES CONTROL TO THE CONTROL OF
Impoundment Name	, , , , , , , , , , , , , , , , , , , ,	
Dam Name	Nasworthy Dam	
Owner	City of San Angelo	
Contact Person	W.H. Wilde	
Telephone	915-657-4206	325-657-4204 325-655-6297 Will. Wilde @ San Angelo Texas. US
Fax	<del>945</del> -655-6397	321-655-6297
Email	wwilde@wcc:net*	Will. Wilde @ San Angelo Texas. US
	P.O. Box 1751 San	Dana an and dise Design
Address	Angelo, TX 76902	72 W. College San Annelo TK 76708
P 1 (1		,
Elevation	4 072 2	
of TOC (feet)  Dead Pool Elevation (feet)	1,872.2	
Dead Pool Elevation (leet)		
Original Conservation		
Pool Total Volume (acre-feet)	12,390	
Original Surface	12,000	
Area at TOC (acre)	1,380	
Original Dead Pool Volume	-,	
(acre-feet)		·
1		
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	34213	
Last Survey Last Survey Performed by	34213	
Total Drainage		
Area (mile <sup>2</sup> )	3,833	
Contributing Drainage	3,033	
Area (mile <sup>2</sup> )		
Alea (fille )		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	1,884	
Dam Length		
(feet)	5,480	
Dam Height	50 (Report 126), 47	
(feet)	(NID 2006)	
Top Width		
(feet)	20	
Comments Dam General		
Year(s) of Modifications		
Description of Modifications	ال ـ ا ا مسلم م م م ر ا	
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation		
(feet above MSL)	1,879.1 and 1,880.1	
Emergency Spillway Length	300 and 600 ft (Report	
(feet)	126), 2050 (NID 2006)	
1,000		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	659,064	
Service Spillway Type	controlled	
Service Spillway Location		
Service Spillway Elevation	1869.2 (auxillary),	
(feet above MSL)	1855.3	
(lootaboto moz)		
Service Spillway Length (feet)	25 (auxillary), 375 ft	
Maximum Service Spillway		
Discharge Capacity (cfs)		
	-1-automatic-collapsible	
Comments Service Spillway	gate (auxillary), 15	
Information	tainter gates, each	
Imorriadon	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	ondo(cidioo)	
(feet above MSL)	1,860.0 ft and 1,836.0 ft	
Discharge Capacity of Outlet	7,000.0 1, 4114 1,000.0 1.	
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
Oduce (iii Baili)		
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	
I realest TOWIT (ITINES)	0 1111100 0111	

		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	U	
Number(s)	C1319	
Permit Number(s)	01010	
Latest Amendment	В	
Authorized Impoundment	12,500	
Priority Date(s)	03/11/1929	
Hazard Classification	High	

<sup>\*</sup> 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

	I.	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	
Linaii	Attn: CESWF-OD-L, P.O. Box 17300	Paulottoredman e usace armymi
Address	Ft. Worth, TX 76102-0300	LES WITTER TH
Audicag	1 t. Worth, 1X 70102-0300	
Elevation		
of TOC (feet)	424.5	
Dead Pool Elevation (feet)	424.3	
(icct)		
Original Conservation		,
Pool Total Volume (acre-feet)	63,300	
Original Surface	03,300	
Area at TOC (acre)	5,070	
Original Dead Pool Volume	5,070	V
(acre-feet)		
(acre-reet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	FF 047	hm / 17 / 7
Last Survey Conservation	55,817	56963
Pool Capacity (acre-feet)	55.047	r/ 019
Last Survey Dead Pool	55,817	56963
Volume (acre-feet)		
Last Survey Area at TOC	n/a	,
(acres)	5 070	F6/3
Date of	5,070	5062
Last Survey	205.40	
Last Survey Performed by	26543	September 1972 Corps of Engineers-For Work
Total Drainage		Corps of Engineers - For Worth
		,
Area (mile <sup>2</sup> )	320	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	recreation
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	457	
Dam Length		,
(feet)	7,570	including spillmay
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	· .

District

		Comments
Emergency Spillway Elevation		Vimilianto
(feet above MSL)	414	
Emergency Spillway Length	717	
(feet)	240	
(leet)	240	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	224 000	at maximum herien Marce Surface
Service Spillway Type	22+,500 N	at maximum Design Water SUFFACE
Service Spillway Location	<u> </u>	
Service Spillway Elevation		
(feet above MSL)	<b>4</b> 14	
(leet above MSL)	7'7	
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	IN	
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	LOW-Flow OUTLOT WORKS
Elevation of Outlet Works	Silue(Siuice)	LOW FIOUN OUTER LOOPING
	400.0	
(feet above MSL)	400.0	2-26 inch diameter conduites
Discharge Capacity of Outlet	115	2-36 inch diameter conduits; runs Thru Spillway Piers No. 2 and 4
Works (cfs)	- to	Thru spinway frees No. 2 and 4
Elevation of Water Supply		
Outlet (in Dam)		
Discharge Canacity of Weter		
Discharge Capacity of Water		
Supply Outlet in Dam (cfs) Location of Reservoir Water		
Supply Outlets	On	
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel		
Yield Type (FY:Firm Yield,SY:	FY	
Safe Tield,Other)	19,400	
Year 2010 Yield (acre-feet)	15,000	
Year 2060 Yield (acre-feet)	Trinity	
River Basin		V
Stream	Richland Creek	
County	Navarro	<u> </u>
Nearest town	Corsicana	<u> </u>
Distance from	40 3 014	
Nearest Town (miles)	16 miles SW	<i>V</i>

		Comments
Direction from Nearest Town	SW	
Dam		0 1 1/
Central Latitude	31.95	31°57′27″
Dam		
Central Longitude	-96.7	96 91 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	

<sup>\*</sup> 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

Impoundment Name Dam Name Nor  Owner Contact Person Pau Telephone Fax Email Pau Attn	orgetown, Lake th Fork (San Gabriel River) Dam ps of Engineers-SWF II Rodman -866-1538 -886-6472 I.k.rodman@swf02.usace.army.mil n: CESWF-OD-L, P.O. Box 17300 Ft. rth, TX 76102-0300  791.0  37,100  1,310	
Impoundment Name Dam Name Nor  Owner Contact Person Fax B17 Fax B17 Email Pau Address Wor  Contact Person Fax B17 Email Pau Address Wor  Elevation of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre)  Original Dead Pool Volume (acre-feet)  Last Survey Conservation Pool Total Volume (acre-feet) Last Survey Conservation Pool Capacity (acre-feet) Last Survey Pead Pool Volume (acre-feet) Last Survey Area at TOC (acres) Date of Last Survey Last Survey Performed by Total Drainage	th Fork (San Gabriel River) Dam  ps of Engineers-SWF  Il Rodman -866-1538 -886-6472 I.k.rodman@swf02.usace.army.mil 1: CESWF-OD-L, P.O. Box 17300 Ft. rth, TX 76102-0300  791.0  37,100  1,310	
Owner Cor Contact Person Pau Telephone 817 Fax 817 Email pau Address Wor  Elevation of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Dead Pool Volume (acre-feet)  Last Survey Conservation Pool Total Volume (acre-feet)  Last Survey Conservation Pool Total Volume (acre-feet)  Last Survey Conservation Pool Total Volume (acre-feet)  Last Survey Performed by Total Drainage	ps of Engineers-SWF  II Rodman -866-1538 -886-6472 I.k.rodman@swf02.usace.army.mil II: CESWF-OD-L, P.O. Box 17300 Ft. rth, TX 76102-0300  791.0  37,100  1,310	
Owner Cor Contact Person Pau Telephone 817 Fax 817 Email pau Address Wor  Elevation of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  Last Survey Conservation Pool Total Volume (acre-feet) Last Survey Conservation Pool Total Volume (acre-feet) Last Survey Performed by Total Drainage	ps of Engineers-SWF  II Rodman -866-1538 -886-6472 I.k.rodman@swf02.usace.army.mil II: CESWF-OD-L, P.O. Box 17300 Ft. rth, TX 76102-0300  791.0  37,100  1,310	
Contact Person Telephone 817 Fax 817 Email Address Woo  Elevation of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  Last Survey Conservation Pool Total Volume (acre-feet) 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 Total Drainage	Il Rodman -866-1538 -886-6472 I.k.rodman@swf02.usace.army.mil	
Contact Person Telephone 817 Fax 817 Email Address Woo  Elevation of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  Last Survey Conservation Pool Total Volume (acre-feet) 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 Total Drainage	Il Rodman -866-1538 -886-6472 I.k.rodman@swf02.usace.army.mil	
Telephone Fax Fax Email Pau Attra Address Woo  Elevation of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	-866-1538 -886-6472 I.k.rodman@swf02.usace.army.mil n: CESWF-OD-L, P.O. Box 17300 Ft. rth, TX 76102-0300  791.0  37,100  1,310	
Fax Email pau Attriction Address Wood Address Wood Elevation of TOC (feet)  Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet)  Original Dead Pool Volume (acre-feet)  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 Performed by Total Drainage	-886-6472 I.k.rodman@swf02.usace.army.mil n: CESWF-OD-L, P.O. Box 17300 Ft. rth, TX 76102-0300  791.0  37,100  1,310	
Email Attra Address Woo  Elevation of TOC (feet)  Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet)  Original Burface Area at TOC (acre)  Original Dead Pool Volume (acre-feet)  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 Total Drainage	I.k.rodman@swf02.usace.army.mil  1: CESWF-OD-L, P.O. Box 17300 Ft.  1: rth, TX 76102-0300  791.0  37,100  1,310	
Address  Elevation of TOC (feet)  Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet)  Original Surface Area at TOC (acre)  Original Dead Pool Volume (acre-feet)  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 Total Drainage	20: CESWF-OD-L, P.O. Box 17300 Ft. orth, TX 76102-0300 791.0 791.0 37,100 1,310	
Elevation of TOC (feet)  Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet)  Original Surface Area at TOC (acre)  Original Dead Pool Volume (acre-feet)  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 Total Drainage	rth, TX 76102-0300 791.0 37,100 1,310	
Elevation of TOC (feet)  Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre)  Original Dead Pool Volume (acre-feet)  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 Total Drainage	791.0 37,100 1,310 36,904	
of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	37,100 1,310 36,904	V
of TOC (feet) Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	37,100 1,310 36,904	V
Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	37,100 1,310 36,904	V
Dead Pool Elevation (feet)  Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	37,100 1,310 36,904	V
Original Conservation Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	1,310 36,904	V
Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	1,310 36,904	V
Pool Total Volume (acre-feet) Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	1,310 36,904	V
Original Surface Area at TOC (acre) Original Dead Pool Volume (acre-feet)  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 Total Drainage	1,310 36,904	V
Area at TOC (acre)  Original Dead Pool Volume (acre-feet)  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 Total Drainage	36,904	V
Original Dead Pool Volume (acre-feet)  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 Total Drainage	36,904	V
(acre-feet)  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 Total Drainage		
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 Total Drainage		
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 Total Drainage		
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 Total Drainage		
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 Total Drainage		
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 Total Drainage		
Pool Capacity (acre-feet)  Last Survey Dead Pool Volume (acre-feet)  Last Survey Area at TOC (acres)  Date of Last Survey  Last Survey  Last Survey Performed by Total Drainage	36,823	V
Last Survey Dead Pool Volume (acre-feet)  Last Survey Area at TOC (acres)  Date of Last Survey  Last Survey Performed by Total Drainage	00,020	
Volume (acre-feet)  Last Survey Area at TOC		1,11
Last Survey Area at TOC (acres) Date of Last Survey Last Survey Performed by Total Drainage	81	CT 0/ 720
(acres) Date of Last Survey Last Survey Performed by Total Drainage	01	at c/ex 720
Date of Last Survey Last Survey Performed by Total Drainage	4.007	
Last Survey Last Survey Performed by Total Drainage	1,287	V
Last Survey Performed by Total Drainage		40
Total Drainage	38473	May 2005 TWDR
Total Drainage		TWOB
, 04 (11110 )	246	1247
Contributing Drainage	2,10	' '
Area (mile²)		credings i Aba
Main Purposes	flood control, water supply	
Dam Type	rock fill	
Top of Dam Elevation		
(feet)	861	V
Dam Length	, ,	the second second
(feet)	6,760	6650 feet including spillu
Dam Height		
(feet)	162	$\bigvee$
Top Width		
(feet)	40	30'
(leet)	Type:earthfill and rockfill; impervious	
0		
Comments Dam General	core	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type		V
-	uncontrolled	

Γ		Comments
Emergency Spillway Elevation		/
(feet above MSL)	834	
Emergency Spillway Length		/
(feet)	1000	
(loct)		
Maximum Emergency Spillway		,
Discharge Capacity (cfs)	284,000	Var Maximum Design Water Surface
Service Spillway Type	, 0	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	834	
(logi applied me 2)	1	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	slide(sluice)	/
Number of Gates	2	V
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 ets at spillway exest
Elevation of Water Supply		
Outlet (in Dam)		735
\		
Discharge Capacity of Water		
Supply Outlet in Dam (cfs)	350	Low flow the outlet works tower;
Location of Reservoir Water		LOCATE IN The OUTLET WORKS TOWER;
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)		
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	V

		Comments
	· · · · · · · · · · · · · · · · · · ·	Comments
Direction from Nearest Town	W	
Dam		,
Central Latitude	30.6674	V
Dam		7
Central Longitude	-97.725	V
Total Authorized Consumptive		
	13,610	
Diversion (Ac-Ft/Yr)	13,010	
Total Non Consumptive Use		
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose		
	0	
Consumptive Diversion	U	
Water Right or Application		
Number(s)	C5162	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	37,100	
Priority Date(s)	02/12/1968	
Hazard Classification	Hlgh	

<sup>\*</sup> 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, acmu, mil
	Attn: CESWF-OD-L, P.O. Box 17300	paul. k. rodman o usace. army, mil
Address	Ft. Worth, TX 76102-0300	,,
Elevation		/
of TOC (feet)	1,908.0	
Dead Pool Elevation (feet)		
Original Conservation		/
Pool Total Volume (acre-feet)	119,200	1
Original Surface		
Area at TOC (acre)	5,440	<b>√</b>
Original Dead Pool Volume	·	
(acre-feet)	·	
Last Survey Conservation		
Pool Total Volume (acre-feet)	79,483	115 743
Last Survey Conservation		
Pool Capacity (acre-feet)	79,483	115743
Last Survey Dead Pool		1 Carl
Volume (acre-feet)	0	
Last Survey Area at TOC		
(acres)	5,440	5400
Date of		
Last Survey	22890	September 1962
Last Survey Performed by		September 1962 Corps of Engineers-Fort Worth
Total Drainage		
Area (mile <sup>2</sup> )	1,511	$\checkmark$
Contributing Drainage	·	
Area (mile²)		
Main Purposes	flood control, water supply	
Dam Type	earthfill	
Top of Dam Elevation	July	,
(feet)	1,964	
Dam Length	1,001	
(feet)	40,885	including spillway
Dam Height	70,000	more of the
(feet)	128	√
Top Width	12.0	
(feet)	20	V
Comments Dam General	20	
Year(s) of Modifications	1961	
Description of Modifications		Repair of rioras
Emergency Spillway Type	uncontrolled	Repair of riprap
	uncontrolled	South of the embantment
Emergency Spillway Location		South of the embankment on the right bank

Pismer

		Comments
Emergency Spillway Elevation		/
(feet above MSL)	1938.5	
Emergency Spillway Length		
(feet)	1150	V
Maximum Emergency Spillway		
Discharge Capacity (cfs)	356 200	VAT Maximum Design Water Surface
Service Spillway Type	-A	L Design Design Ward SUPFACE
	0	
Service Spillway Location Service Spillway Elevation		
, ,	1,939	
(feet above MSL)	1,905	
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	03(0.100)	
(feet above MSL)	1,840.0	•
Discharge Capacity of Outlet		
Works (cfs)		31300 ofs at spillway crest
Elevation of Water Supply		- July
Outlet (in Dam)		1878.5 Low-flow outlets; 2-30 inch diameter steel Pipes
0 0.101 ( 2 0.1)		Low-flow outlete: 7-20 inch
Discharge Capacity of Water		diameter steel Pipes
Supply Outlet in Dam (cfs)	182	
Location of Reservoir Water	70	Low-flow outlets parellel
Supply Outlets		OUTLET WORKS CONDUITS
On or Off Channel (ON/OFF)	On	VVIIVI VVVIIV
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	San Angelo	v
Nearest Town (miles)	3 miles ŅŴ	$\mathbf{v}'$
ivearest rown (innes)	3 miles lywe	

		Comments
Direction from Nearest Town	NM	Outmones
Dam	04.4707	0,00010111
Central Latitude	31.4/3/	3/ 29 09
Dam		1000-01-01
Central Longitude	-100.4833	31°29′04″ 100°28′53″
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	80,400	
	00,400	
Total Non Consumptive Use		
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose		
Consumptive Diversion	ام	
	- V	
Water Right or Application	04400	
Number(s)	C1190	
Permit Number(s)		
Latest Amendment	A	
Authorized Impoundment	80,400	
Priority Date(s)	05/27/1949	
Hazard Classification	High	

<sup>\*</sup> 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 a ditional information or have questions please contact me.

General Manager

Enclosure

Sincerely,



Texana

Has your structure	had any significant modifica	ations since 1970?
Yes	No	Unknown
If so, what modifica	ations were made and when	?
May we contact the	design engineer for addition	nal information or for copies of the plans?
Yes	□No	Unknown
Design Engineer 🔟	Eureau of Relampic	Denver)
Do you have any re can have?	presentative photographs wl	hich the Texas Water Development Board
Yes	☐ No	
Can you furnish the	m in a digital format?	
Yes	□ No	
	ssion to share photographs of archives with the Texas Wa	or design information on your dam in the ater Development Board?
Yes	No	
Thank you for your	time!	

Na	Toyono Loks	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	1
Fax	361-782-5310	
Email	inelson@lnra.org	PBRZOZOWSKi @Inra.org
Address	P.O. Box 429 Edna, TX 77957	1 011-000
AUUI COO	, 13. 50x 120 Edild, 17 11 001	
Elevation	- 1	. :
of TOC (feet)		
Dead Pool Elevation (feet)	19	
Original Conservation		165,718 3034 TME
Pool Total Volume (acre-feet)	170,310	
Original Surface		
Area at TOC (acre)	9 727	9 4 5 4
Original Dead Pool Volume	5,721	
(acre-feet)		8034
(dolo loot)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	161,085	<b>√</b>
Last Survey Conservation		
Pool Capacity (acre-feet)	153,246	<u> </u>
Last Survey Dead Pool		
Volume (acre-feet)	7,839	$\checkmark$
Last Survey Area at TOC		
(acres)	9,727	$\mathcal{N}$
Date of	0,	
Last Survey	36739	<u>'</u>
Last Survey Performed by	50700	
Total Drainage		
		111
Area (mile <sup>2</sup> )	1,314	14.54
Contributing Drainage		
Area (mile <sup>2</sup> )		
	water supply, industrial,	
Main Purposes	recreation, municipal	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	55	
Dam Length		
(feet)	41,712	
Dam Height	-	
(feet)	63	The state of the s
Top Width		
(feet)		
Comments Dam General		
Year(s) of Modifications		
Year(s) of Modifications		
Year(s) of Modifications  Description of Modifications  Emergency Spillway Type	controlled	V. 0W [

		Comments
Emergency Spillway Elevation		
(feet above MSL)		
Emergency Spillway Length	, ,	
(feet)	464	Mode
Maximum Emergency Spillway		
Discharge Capacity (cfs)	176,000	( Y )^ / /
Service Spillway Type	0	content of
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	23	
Service Spillway Length (feet)	5m'	464
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information	112	
Type of Gates	Talate unknown	
Number of Gates	IZ	77.5 high x 25 md.
Maximum Gate Release	193,000	195, 273
Capacity (cfs) Hydropower (Y/N)	[°[9,60-	. :3 970
No. of Hydropower Units	IV	
Generation Capacity (mW)		
Type of Outlet Works	multi bevel o	
Elevation of Outlet Works	bolt less	
(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	C. 1.1 1. 1.1 1	<i>b</i>
Supply Outlets	East/west Mi I str	ung
On or Off Channel (ON/OFF)	<b>√</b> 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	7 miles SW	
Nearest Town (miles)	/ miles Svv	

• • • •

		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)		A STATE OF THE STA
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose	L	
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	

<sup>\*</sup> 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

Has your structure	e had any significant modifica	ations since 1970?
Yes	☐ No	Unknown
If so, what modifie	cations were made and when?	?
The dam	was completed in 19	91.
May we contact th	ne design engineer for addition	nal information or for copies of the plans?
Yes	□No	Unknown
Design Engineer	Freeze & Nichols, Ir	)C·
Do you have any r can have?	representative photographs wh	nich the Texas Water Development Board
Yes	☐ No	
Can you furnish th	nem in a digital format?	
Yes	☐ No	
May we have perm Freese and Nichols	nission to share photographs of s' archives with the Texas Wa	or design information on your dam in the atter Development Board?
Yes	☐ No	
Thank you for you	r 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 odista	viil · Col.
Address	P.O. Box 99 Spearman, TX 79081	
Elevation		
of TOC (feet)	2,892.0	
Dead Pool Elevation (feet)	2,692.0 2 <b>8</b> 445	2844.5
		23.1.0
Original Conservation		
Pool Total Volume (acre-feet)	60,897	
Original Surface		
Area at TOC (acre)	2,413	
Original Dead Pool Volume		
(acre-feet)	3,2,2,2	3,272
Last Survey Conservation	· ·	
Pool Total Volume (acre-feet)	60,897	
Last Survey Conservation	00,897	
Pool Capacity (acre-feet)	60,897	
Last Survey Dead Pool	00,897	
Volume (acre-feet)	n/a	
Last Survey Area at TOC	Tiya	
(acres)	2,413	
Date of	2,710	
Last Survey	n/a	
Last Survey Performed by	104	
Total Drainage		The state of the s
Area (mile <sup>2</sup> )	614	
Contributing Drainage	014	
Area (mile <sup>2</sup> )	441	
, noa (iino )	· ; ; ; ; ;	
Main Purposes	water supply, fire/stock, recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	2,943	
Dam Length		
(feet)	3,800	
Dam Height	1	
(feet)	139	
Top Width	21/4	
(feet) Comments Dam General	homograph 1	
	homogenous earth dam	
Year(s) of Modifications  Description of Modifications		
Emergency Spillway Type	unnontrallad	
Emergency Spiliway Type	uncontrolled	
Emergency Spillway Location	right abstract	

Ţ

		Comments
Emergency Spillway Elevation		
(feet above MSL)	2915	
Emergency Spillway Length		
(feet)	800	
(iddi)	000	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	237,500	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation	KOTKA BINGUL	
(feet above MSL)	2,892	
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Service Spillway Length (feet)	250	
Maximum Service Spillway		
Discharge Capacity (cfs)	HINCO	•
Comments Service Spillway		
Information		
Type of Gates	uncontrolled	A CONTRACT OF THE CONTRACT OF
Number of Gates		
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	0	- Allower - Allo
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	MACAN MALAMATAN MATAMATAN MALAMATAN MATAMATAN MALAMATAN MATAMATAN MALAMATAN MATAMATAN MATAMATAN MATAMATAN MATAMATAN MATAMATAN MATAMATAN MATAMATAN MATAMATAN
River Basin	Canadian	
Stream	Palo Duro Creek	
County	Hansford	
Nearest town	Spearman	
Distance from		
Nearest Town (miles)	12 miles N	

ŧ

		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	

<sup>\*</sup> 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	
	0 (5 )	
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-Kirodonne usace. army mil
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H
Address	Worth, TX 76102-0300	
Elevation		
	4.402.0	l . /
of TOC (feet)	1,162.0	<i>V</i>
Dead Pool Elevation (feet)		
Original Concentation		
Original Conservation Pool Total Volume (acre-feet)	59,400	
	59,400	
Original Surface Area at TOC (acre)	4,610	
Original Dead Pool Volume	4,010	
(acre-feet)		
(acre-reer)		
Last Survey Conservation		
•	EE 457	V
Pool Total Volume (acre-feet)  Last Survey Conservation	55,457	
,	55 A57	V
Pool Capacity (acre-feet)  Last Survey Dead Pool	55,457	
Volume (acre-feet)	o	<b>/</b>
Last Survey Area at TOC	O	,
(acres)	4,537	
Date of	4,007	
Last Survey	37439	T. 4. 7002
Last Survey Performed by	31433	July 2002 TWDB
Total Drainage		IWUB
Area (mile <sup>2</sup> )	1,265	V
Contributing Drainage	1,200	
Area (mile <sup>2</sup> )		
	flood control water according	1000 K00 T = 0.0
Main Purposes Dam Type	flood control, water supply earthfill	
Top of Dam Elevation	еаппііі	
(feet)	1,206	
Dam Length	1,200	
(feet)	13,460	V 1. A. A. collins.
Dam Height	13,400	including spillway
(feet)	86	l <sub>V</sub>
Top Width	00	7
(feet)	30	/
Comments Dam General	concrete spillway	
Year(s) of Modifications	1964	
Description of Modifications	1904	
Emergency Spillway Type	controlled	./
Emergency Spinway Type	Controlled	alithant at The right and
Emergency Spillway Location	contor of dom	abother at the right end of the main embankment
Emergency Spiliway Location	center or dam	of the wain thbankment

.

		Comments
Emergency Spillway Elevation		/
(feet above MSL)	1162	$\bigvee$
Emergency Spillway Length		/
(feet)	440	$\checkmark$
(1001)	****	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	431,800	Vat Maximum Design Water Surface
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation		,
(feet above MSL)	1,162	
(rect above web)		
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	tainter(radial)	
Number of Gates	13	
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		o fra o francisco de la granda
(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)		
Callet (III Baili)		
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	1 100001	
Nearest Town (miles)	3.5 miles W	
l inearest rown (nines)	3.5 miles W	

G		
		Comments
Direction from Nearest Town	W	
Dam		0 , 1/
Central Latitude	31.9717	3/°58′07″ 98°29′09″
Dam		
Central Longitude	-98.4767	98 29 09
Total Authorized Consumptive		
Total Authorized Consumptive	40.050	
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	

<sup>\*</sup> 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		1
Impoundment Name	Ray Roberts Lake		1
Dam Name	Ray Roberts Dam		
			1
Owner	Corps of Engineers-SWF		1
Contact Person	Paul Rodman		1
Telephone	817-866-1538		1
Fax	817-886-6472		1
Email	paul.k.rodman@swf02.usace.army.mil	Paul K. rodnown @ USace army mil	1
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	Paulk. Madnune usace. army. mil	1
Address	Worth, TX 76102-0300	7.	
Elevation			
of TOC (feet)	632.0	632.5	
Dead Pool Elevation (feet)			1
			1
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		7,7,000	
Pool Capacity (acre-feet)	798,758	799600	
Last Survey Dead Pool			
Volume (acre-feet)	n/a		
Last Survey Area at TOC			
(acres)	29,350	V	
Date of			
Last Survey	n/a	1925	
Last Survey Performed by		corps of Engineers - Fort worth Dist	n'cT
Total Drainage			
Area (mile <sup>2</sup> )	692	1	
Contributing Drainage	002		
Area (mile <sup>2</sup> )		,	
Main Purposes	flood control water supply	, recreation, water quality, fis	. /
Dam Type	parthfill	9 1 CC 1 COC 1 O 1 2 100 0 17 3 17 5 17 5	Wir/
Top of Dam Elevation	Gartiiii		(19)
(feet)	665		
Dam Length	000		
(feet)	15,250	14980 excluding spillway	
Dam Height	13,230	11/00 exclosing opinion	
(feet)	141	·	
Top Width	[4]		
(feet)		46	
Comments Dam General		, ~	
Year(s) of Modifications	1990		
Description of Modifications		Oal'al vella a 1 samara Callagras	C
Emergency Spillway Type	uncontrolled	Relief wells and seepage Collector Uncontrolled limited Service	54570
Emergency Spiliway Type	uncontrolled	VALUATIONICA IMPLICA SELVICE	
		right abutment	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	645	645.5
Emergency Spillway Length		
(feet)	100	$\sqrt{}$
,		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	14.500	at Maximum Design Water Surface
Service Spillway Type	9	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	641	
(.00(0.0010 1110 27)	7	
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	slide(sluice)	
Number of Gates	225(010105)	2-6+TX 13 for gares
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)	1200 1000
Elevation of Outlet Works	Silde(Sidice)	
(feet above MSL)		551
Discharge Capacity of Outlet		
Works (cfs)		7100 -6 - 50111 - 50-5
Elevation of Water Supply		1100 cfs at spillyar crest Low-flow: selector gate inverts:
Outlet (in Dam)		1180 1020 5880 5745
Outlet (III Daili)		618.0, 603.0, 588.0, 574.5  LOW How; 4 restangular selector gates each measured 4ft x 8ft, the intersion into Common wet well which leads to a 3ft x7ft conduit and then Transitions
Discharge Capacity of Water		each measured 4ft x 8ft, the interis
Supply Outlet in Dam (cfs)	600	into common wet well which leads to a
Location of Reservoir Water	<i>UU</i>	into a 547 diameter conduit.
Supply Outlets		and the DIT bases of the (SNAULL)
On or Off Channel (ON/OFF)	On	
Stream if Off-Channel	OII	
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	Z04,239 Trinity	
Stream	Elm Fork Trinity River	
		<u> </u>
County	Denton	- W-y
Nearest town	Sanger	<u> </u>
Distance from	<u> </u>	
Nearest Town (miles)	5 miles E	V

drup

		Comments
Direction from Nearest Town	E	
Dam		-2 1 2//
Central Latitude	33.3567	33° 21' 19" 97° 02' 59"
Dam		0001 -011
Central Longitude	-97.0367	91° 02' 57
Total Authorized Consumptive	700.000	
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	

<sup>\*</sup> 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

	Comments
Name	Ray Hubbard, Lake
Impoundment Name  Dam Name	Rockwall-Forney Dam
Owner	City of Dallas/DWU
Contact Person	Charlie Stringer
	(214) 670-1201
Telephone	· ·
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
· · · · · · · · · · · · · · · · · · ·	22745
Original Surface □Area at TOC (acre)	
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
<del>-</del>	
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	controlled east end of dam
Service Spillway Elevation (feet above MSL)	east end of dam
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet)	east end of dam 435.5 560 net length; 664' total
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs)	east end of dam 435.5 560 net length; 664' total 375,000
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information	east end of dam  435.5  560 net length; 664' total  375,000  na
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates	east end of dam 435.5 560 net length; 664' total 375,000 na tainter(radial)
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates	east end of dam 435.5 560 net length; 664' total 375,000 na tainter(radial) 14 tainter gates; 9 sluice gates
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Type of Outlet Works Elevation of Outlet Works (feet above MSL)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Type of Outlet Works Elevation of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Type of Outlet Works Elevation of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet (in Dam)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Type of Outlet Works Elevation of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet in Dam (cfs)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Type of Outlet Works Elevation of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet in Dam (cfs) Location of Reservoir Water Supply Outlets	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0  3@1053 cfs; 3@197cfs; 3@99cfs
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) 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 Outlets On or Off Channel (ON/OFF)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) 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 Outlets On or Off Channel (ON/OFF) Stream if Off-Channel	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0  3@1053 cfs; 3@197cfs; 3@99cfs
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) 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 Outlets On or Off Channel (ON/OFF) Stream if Off-Channel Yield Type (FY:Firm Yield,SY: Safe Tield,Other)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0  3@1053 cfs; 3@197cfs; 3@99cfs  on
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) 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) Location of Reservoir Water Supply Outlets On or Off Channel (ON/OFF) Stream if Off-Channel Yield Type (FY:Firm Yield,SY: Safe Tield,Other) Year 2010 Yield (acre-feet)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice) 409.0 and 388.0  3@1053 cfs; 3@197cfs; 3@99cfs  on  FY  60367
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) 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) Location of Reservoir Water Supply Outlets On or Off Channel (ON/OFF) Stream if Off-Channel Yield Type (FY:Firm Yield,SY: Safe Tield,Other) Year 2010 Yield (acre-feet)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice)  409.0 and 388.0  3@1053 cfs; 3@197cfs; 3@99cfs  on  FY  60367  58700
Service Spillway Elevation (feet above MSL) Service Spillway Length (feet) Maximum Service Spillway Discharge Capacity (cfs) Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) 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) Location of Reservoir Water Supply Outlets On or Off Channel (ON/OFF) Stream if Off-Channel Yield Type (FY:Firm Yield,SY: Safe Tield,Other) Year 2010 Yield (acre-feet)	east end of dam  435.5  560 net length; 664' total  375,000  na tainter(radial)  14 tainter gates; 9 sluice gates  375,000  N  na na slide(sluice) 409.0 and 388.0  3@1053 cfs; 3@197cfs; 3@99cfs  on  FY  60367

Stream East Fork trinity river County Rockwall, Dallas, Collin, Kaufman Nearest town Forney Approximately 3 miles East Distance from ☐ Nearest Town (miles) 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 Н Authorized Impoundment 490000 02/02/1955 Priority Date(s)

Hazard Classification

High

<sup>\*</sup> 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 co

Ray Hubbard (Forrey)

### TABLE I

### PERTINENT DATA

RESERVOIR	ELEVATION ft. m.s.l.	AREA acres	CAPACITY ac. ft.
Top of Dam	450.0	401.03	40. 10.
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	
Туре	Gate controlled, concrete gravity weir
Crest elevation	409.5 feet m.s.1.
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	Wavs

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

lainter bat	es		
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

nks Lake	Comments
Roy Inks Dam	
ower Colorado River Authority	.1
like-Lowe, P.E.	5-ce Burting on
12-473-4076	- A supplement
12-473-3551	for future center!
ablr@lera:org	for futher century
O. Box 220 Austin, TX 78767	
	22
	888-27 CHURRY Bublisher
0.888	888-7-1 186211-
Ì	
17,545	
803	
	and the said before
1== ( ) ( ) ( )	curvent published
15,062 1 14,878	10/1
1	
14,594	
00.4	
284	,
200	
803	
25424	
30431	
24.000	
31,808	
hudroolo stris	
	1 1111111111111111111111111111111111111
gravity	
040	
919	
1 450	
1,430	
96.5 (Report 126): 96 (NID 2006)	·
555 (10port 120), 00 (141D 2000)	
16.5	·
0	
888.3	
12735	12-473-4076· 12-473-3551 abir@lera.org O. Box 220 Austin, TX 78767  888.0  17,545  803  14,594  284  803  35431  31,868  hydroelectric, recreation gravity  919  1,458  6.5 (Report 126); 96 (NID 2006)  16.5  Concrete Gravity  0

		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	New York Control of the Control of t
	074	
Service Spillway Length (feet)	871	
Maximum Service Spillway	1 207 607	•
Discharge Capacity (cfs)	1,207,697 uncontrolled gravity section of	
Comments Service Spillway Information	dam.	
Type of Gates	none	
Number of Gates	none	
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	· · · · · · · · · · · · · · · · · · ·	AND THE RESERVE OF THE PARTY OF
No. of Hydropower Units	. 1	2. 1 / / /
Generation Capacity (mW)	/	CURRENT PULLAGING CAR.
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	0.	
On or Off Channel (ON/OFF) Stream if Off-Channel	On	
Yield Type (FY:Firm Yield,SY:		
Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	1	
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	ol	
Water Right or Application		
Number(s)	C5479	
Permit Number(s)		(4/4)
Latest Amendment		
Authorized Impoundment	17,545	
Priority Date(s)	03/29/1926	
Hazard Classification	High	

<sup>\*</sup> 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

March			
Important Peter			Comments
Senforce Dame   Senforce Dam	Name	Lake Meredith	
Senforce Dame   Senforce Dam	Impoundment Name		
Carearies   Carearies Record Municipal Water Authority   U. Flury and Post Servicion   Control Ferrico   Control Ferri		Sanford Dam	
Care Sate Prison   Care Sate P			
Content Person	Owner	Canadian River Municipal Water Authority	US Bureau of Reclamation
Seleptone   Selection   Sele			
Section   Sect		The state of the s	The second secon
Elevation of TOC [Peet]   A\$95.00   Top of Singt Use 12943 37			
Section   TOC (Feet    2,000	· · · · · · · · · · · · · · · · · · ·		
Intent Proof Develop (See)   1969	Address	Box 9 Sanford, TX 79078	
Intent Proof Develop (See)   1969			
Disputation From Prof.   Text   Disputation   Sect.	Elevation of TOC (feet)	2,936.50	
Dispose   Series Ane at 100 (Eners)   56444   16.055	Dead Pool Elevation (feet)		2850
	Original Conservation Pool Total Volume (acre-feet)	864,400	864,397
		16.411	16,505
Last Source Conservation Pool Tool Volume (serve feet)   442-99   743-975			43,049
Last Survey Conceive value (Post Capetry (Post Peet)   279,5400   24,4075		817.070	
Sear Survey Part of 100 (Parts)   Sear Feet   Sear Survey   Sear Surve		The state of the s	
1.641   1.64			741,073
Date of Last Survey	The state of the s		
Last Survey Performed by	Last Survey Area at TOC (Acres)	16,411	
Total Darrage Area   India	Date of Last Survey		
	Last Survey Performed by		
Secretary   Secr	Total Drainage Area (mile²)	20,220	15,140 (9,090 below Conchas, 6,050 below Ute)
Main Purpose         Water supply, municipal, industrial         flood control           Top of dan elevation [feet]         3.011         -           Top of dan elevation [feet]         3.011         -           Dann Height (feet)         4.642         6,180           Dann Height (feet)         40         -           Comment Dam General         -         -           Feet (s) of modifications         -         -           Description of modifications         -         -           Bearcipsion of modifications         -         NA           Emergency Spillway Virge         0         -           Emergency Spillway Virge         0         NA           Emergency Spillway Virge (early feet)         NA         NA           Secrete Spillway Legistring (early feet)         NA         NA           Secrete Spillway Virge (early feet)         AL         23           Secrete Spillway Virge (early feet)         AL         23           Secrete Spillway Virge (early feet)         AL         23           Secrete Spillway		16,048	
Dam Type   Sarth III   South		water supply, municipal, industrial	flood control
Top of den elevation (feet)   3.011   5.449   6,380			
24.10   2.30			
Dam Helph (Test)   300 - Fepores 126)			6.380
Top Widel (Fier)			
Comments Dam General		· · · · · · · · · · · · · · · · · · ·	3011 - 2813 - 138, 7 30 - 220
Veserigo of modifications		40	
Description of modifications			
Emergency Spillway (Nacion)         NA           Emergency Spillway (Nacion) (fect above MSL)         NA           Emergency Spillway (Nacion) (fect above MSL)         NA           Emergency Spillway (Nacion) (Feet above MSL)         NA           Service Spillway (Nacion) (Feet above MSL)         Left Aboutment           Service Spillway (Nacion) (Feet above MSL)         Left Aboutment           Service Spillway (Nacion) (Feet above MSL)         2,965           Service Spillway (Nacion) (Feet above MSL)         2,965           Service Spillway (Nacion) (Feet above MSL)         2,965           Service Spillway (Nacion) (Feet above MSL)         3,910           Spill (Nacional Macional	Year(s) of modifications		
Emergency Spillway Ileration (feet above MSL)	Description of modifications		
Emergency Spillway elevation (feet above MSL)  Emergency Spillway Length(feet)  Awainum Emergency Spillway Dicharge Capacity(cfs)  Service Spillway (potation  Service Spillway (potation  Service Spillway (potation)  Ser	Emergency Spillway Type	0	
MA   MA   Ma	Emergency Spillway location		NA .
Einergency Spillway Length(fest)         Left Abutment           Service Spillway Discharge Capacity(fs)         Left Abutment           Service Spillway Prop         Left Abutment           Service Spillway Prop         2,965           Service Spillway Conduit Diameter (Feet)         23           Service Spillway Information         Genoment Service Spillway Information         Genoment Service Spillway Information           Genoment Service Spillway Information         Genoment Service Spillway Information         Genoment Service Spillway Information           Number of gates         3         0           Number of gates         4         0           Number of gates         3         0           Number of gates         4         0           Well Abuthment         NA           Under the Well of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Co			NA
Maximum Emergency Spillway Discharge Capacity(cfs)         (eft Abutment)           Service Spillway (location)         Left Abutment           Service Spillway Plevation (feet above MSL)         2,965           Service Spillway Plevation (feet above MSL)         2,965           Service Spillway Discharge Capacity (cfs)         4,000         59,100           Comments Service Spillway Discharge Capacity (cfs)         4,000         39,100           Owner Spillway Plevation (service Spillway) Discharge Capacity (cfs)         4,000         39,100           Washmun Service Spillway Plother (cfs)         4,000         39,100           Owner Spillway Plother (cfs)         4,000         39,100           Maximum Service Spillway Plother (cfs)         4,000         39,100           Maximum Service Spillway Plother (cfs)         4,000         39,100           Maximum Service Spillway Plother (cfs)         4,000         3,000           Maximum Service Spillway Plother (cfs)         8,000         1,000           Maximum Service Spillway Plother (cfs)         9,000         1,000           More of Plother (cfs)         9,000         1,000           Spice page (cff)         9,000         1,000           Spice page (cff)         9,000         1,000           Stream if Off Channel         1,000			
Service Spillway Upcation         Left Abutment           Service Spillway pleasation (feet above MSL)         2,955         ————————————————————————————————————			
Service Spillway location         Ich Authernet           Service Spillway potation (service Spillway potation (feet above MSL)         2,95           Service Spillway potation (service Spillway plotcharge Capacity (fefs)         6,000         59,100           Maximum Service Spillway plotcharge Capacity (fefs)         6,000         59,100           Comments Service Spillway plotcharge Capacity (fefs)         creular-concentrate drop-inlet         Ugated           When Yord (feet above MSL)         creular-concentrate drop-inlet         Ugated           Maximum gate releases Capacity (fefs)         N         Image: Capacity (fefs)           More and Company (fef)         N         Image: Capacity (fefs)           No. of hydropower (fyf)         N         NA           Generation capacity (fwW)         cher         NA           No. of hydropower (fyf)         N         NA           Generation of outlet works (fefs above MSL)         2894 0 and 2850.0         NA           Elevation of outlet works (feet above MSL)         37,000         Multiple Sluice Gates 2899.0°, 2870.0°, 2894.0°, 2920.0°, 2945.0°           Elevation of water supply outlet (in dam)         10         20           Elevation of water supply outlet (in dam)         10         20           Storage (Fr. Frim Field, Str. Saf Vield, Other)         FY         4      <		uncontrolled	
Service Spillway elevation (feet above MSL)   2,965			Left Abutment
Service Spillway Conduit Diameter (feet)		2.005	Lest Abdument
Maximum Service Spillway Discharge Capacity (cfs)   61,000   61eular   10   10   10   10   10   10   10   1		2,965	2.2
Comments Service Spillway Information         circular-concentrate drop inlet         Ungated           Type of gates         3         0           Maximum gate releases Capacity (cfs)         N           Hydropower (lyfn)         N           Generation capacity (mW)         NA           Type of Outlet work (feet above MSL)         2894.0 and 2850.0           Elevation of outlet works (feet above MSL)         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 Outlet works (fs)         37,000           Elevation of Seervoir Water Supply Outlet (in dam (cfs)         200           Location of Reservoir Water Supply Outlet (in dam (cfs)         200           Location of Reservoir Water Supply Outlets         N           On or Off Channel (ON/OFF)         On           Year 2010 Yield (acre-feet)         6975.0           Year 2010 Yield (acre-feet)			
Type of gates         other         Common of gates         ADDRESS         ADDRESS <td></td> <td></td> <td></td>			
Number of gates   7	Comments Service Spillway Information		Ungated
Maximum gate releases Capacity (rfs)   N   N   N	Type of gates		
Hydropower (y/n)         N           No. of hydropower         NA           Generation capacity (mW)         other         NA           Type of Outlet Work         other         Commended           Elevation of outlet works (fest above MSL)         2894 0 and 2850.0         Commended           Discharge Capacity of water Outlet Works (cfs)         37,000         Multiple Sluice Gates 2849.0', 2870.0', 2894.0', 2920.0', 2945.0'           Discharge Capacity of water Supply outlet (in dam)         200         200           Discharge Capacity of Water Supply outlet in dam (cfs)         200         Right Abutment           On or Off Channel (DN/OFF)         On         Multiple Sluice Gates 2849.0', 2870.0', 2894.0', 2920.0', 2945.0'           Yield Type (FY: Firm Yield, SY: Safe Yield, Other)         FY         Part (Commended)           Yield Type (FY: Firm Yield, SY: Safe Yield, Other)         FY         Part (Commended)           Year 2000 Yield (acre-feet)         69750         Part (Commended)           Yield Type (FY: Firm Yield, SY: Safe Yield, Other)         FY         Part (Commended)           Yield Type (FY: Firm Yield, SY: Safe Yield, Other)         FY         Part (Commended)           Yield Type (FY: Firm Yield, SY: Safe Yield, Other)         FY         Part (Commended)           Ware 7 (Soft) (All Care-feet)         69750         P	Number of gates	7	0
NA   NA	Maximum gate releases Capacity (cfs)		
No. of hydropower         NA           Generation capacity (mW)         NA           Generation capacity (mW)         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 (NO/OFF)         On           Stream if Off Channel (MO/OFF)         FY           Year 2010 Yield (acre-feet)         69750           Year 2010 Yield (acre-feet)         69750           River Basin         Canadian River           Stream if Off Channel         Canadian River           County         Hutchinson           Nearest town         Sanford         Inile NW           Distance from Nearest Town (Miles)         Inile NW           Dam Central Latitude         35.7167         Authorized Consumptive Diversion (Ac-Ft/Yr)         151,200           Total Authorized Consumptive Use (Ac-Ft/Yr)         151,200         Certificate of Adjudication           Type of Use, Multiple Purpose Consumption Diversion         0	Hydropower (y/n)	N	
Generation capacity (mW)         NA           Type of Outlet Works (fet above MSL)         2894.0 and 2850.0           Elevation of outlet works (fet 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 Outlets (in dam (cfs))         200           Location of Reservoir Water Supply Outlets         Right Abutment           On or Off Channel (ON/OFF)         On           Stream if Off Channel         FY           Year 2010 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 (Miles)         87.7167           Dam Central Laitfude         35.7167           Dam Central Laitfude         101.5533           Total Non Consumptive Diversion (Ac-Ft/Yr)         151,200           Total Non Consumptive Diversion (Ac-Ft/Yr)         151,200           Total Non Consumptive Diversion (Ac-Ft/Yr)         Certificate of Adjudication <td></td> <td></td> <td>NA</td>			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°, 2990.0°, 2945.0°           Discharge Capacity of water Supply outlet in dam (cfs)         Right Abutment           Location of Reservoir Water Supply Outlets         Right Abutment           On or Off Channel (ON/OFF)         On           Stream if Off Channel         Yes           Year 2010 Yield (acre-feet)         69750           Year 2050 Yield (acre-feet)         69750           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 Longitude         101.5533           Total Authorized Consumptive Diversion (Ac-Ft/Yr)         151,200           Total Not Consumptive Diversion (Ac-Ft/Yr)         151,200           Total Sund Consumptive Diversion (Ac-Ft/Yr)         2 Certificate of Adjudication           Permit Number(s)         (3782         Certificate of Adjudication           Permit Number(s)			NA
Selevation of outlet works (feet above MSL)   2894.0 and 2850.0		other	
Discharge Capacity of water Outlet (in dam)         37,000         Multiple Sluice Gates 2849.0°, 2870.0°, 2894.0°, 2920.0°, 2945.0°           Discharge Capacity of water Supply outlet (in dam)         200           Location of Reservoir Water Supply Outlets         Right Abutment           On or Off Channel (ON/OFF)         On         Right Abutment           Stream if Off Channel (ON/OFF)         FY			
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         FY           Yeld Type (FY: Firm Yield, SY: Safe Yield, Other)         FY           Year 2010 Yield (acre-feet)         69750           River Basin         Canadian           Stream if Off Channel         ————————————————————————————————————			
Discharge Capacity of water Supply outlet in dam (cfs)  Location of Reservoir Water Supply Outlets  On or Off Channel (ON/OFF)  Stream if Off Channel  Yield Type (FY: Firm Yield, SY: Safe Yield, Other)  Year 2010 Yield (acre-feet)  Year 2010 Yield (acre-feet)  Year 2010 Yield (acre-feet)  Stream if Off Channel  County  Nearest town  Distance from Nearest Town (Miles)  Distance from Nearest Town (Miles)  Direction from Nearest Town  Dam Central Longitude  35.7167  Dam Central Longitude  Journal Longitude  Total Authorized Consumptive Diversion (Ac-Ft/Yr)  Type of Use, Non-Consumptive Diversion  Veater Right of Authorized (Sy)  Veater Right of Application Number(s)  Latest Amendment  Lates		57,000	Multiple Sluice Gates - 2849 0' 2870 0' 2894 0' 2920 0' 2945 0'
Coaction of Reservoir Water Supply Outlets On or Off Channel (ON/OFF) On Stream if Off Channel (ON/OFF) FY Year 2010 Yield (acre-feet) Year 2050 Yield (acre-feet) Year 2050 Yield (acre-feet) Year 2050 Yield (acre-feet) Stream if Off Channel County Hutchinson Stream if Off Channel County Nearest town Sanford Distance from Nearest Town (Miles) Direction from Nearest Town (Miles) Direction from Nearest Town Dam Central Latitude Dam Central Latitude Dam Central Longitude Total Authorized Consumptive Diversion (Ac-Ft/Yr) Type of Use, Non-Consumptive Diversion Vater Right or Application Number(s) Latest Amendment Authorized Impoundment Priority Date(s) 1/30/1956  Right Abutment Right Rig			
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 2050 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)         151,200           Total See, 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			
Stream if Off Channel         FY           Yield Type (FY: Firm Yield, SY: Safe Yield, Other)         FY           Year 2010 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 Son Consumptive Use (Ac-Ft/Yr)         151,200           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)         Latest Amendment         1,407,572           Priority Date(s)         1/30/1956			mgnt wouthent
Yield Type (FY: Firm Yield, SY: Safe Yield, Other)         FY           Year 2010 Yield (acre-feet)         69750           Year 2060 Yield (acre-feet)         69750           Siver 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           Type of Use, Non-Consumptive User (Ac-Ft/Yr)         151,200           Type of Use, Non-Consumptive Diversion         0           Water Right or Application Number(s)         C3782           Permit Number(s)         Certificate of Adjudication           Latest Amendment         4           Authorized Impoundment         1,407,572           Priority Date(s)         1/30/1956	The state of the s	Un	
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)         151,200           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         1,407,572         1815 - Superseded           Priority Date(s)         1/30/1956         1/30/1956	Stream if Off Channel		
Year 2050 Yield (acre-feet) 69750  River Basin Canadian Canadian River County Hutchinson Earnet town (Miles) I mile NW Direction from Nearest Town (Miles) 1 mile 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 Diversion Usersion Diversion O Water Right or Application Number(s) C3782 Certificate of Adjudication Permit Number(s) Latest Amendment Authorized Impoundment 1,407,572 Priority Date(s) (37,0125)	Yield Type (FY: Firm Yield, SY: Safe Yield, Other)		
Year 2060 Yield (acre-feet)69750River BasinCanadian Stream if Off ChannelCanadian River CountyHutchinson Nearest townSanford Distance from Nearest Town (Miles)1 mile NW Direction from Nearest TownNW Dam Central Latitude35.7167 Dam Central Longitude-101.5533 Total Authorized Consumptive Diversion (Ac-Ft/Yr)  Type of Use, Non-Consumptive Use (Ac-Ft/Yr)  Type of Use, Multiple Purpose Consumption Diversion0 Water Right or Application Number(s)C3782Certificate of AdjudicationPermit Number(s)Latest Amendment  Authorized Impoundment1,407,572  Priority Date(s)1/30/1956	Year 2010 Yield (acre-feet)	69750	
River Basin Canadian Stream if Off Channel Canadian River County Hutchinson Hutchinson County Hutchinson Canadian River County Hutchinson Canadian River Canadian River Canadian River County Canadian River Canadian River County Canadian River Cana		69750	
Stream if Off Channel Canadian River Hutchinson County Hutchinson Sanford Sanford Sistence from Nearest Town (Miles) I mile NW Sistence from Nearest Town (Miles) I mile NW Sistence from Nearest Town (Miles) Sistence from Nearest Town (Miles) I mile NW Sistence from Nearest Town NW Sistence from NW Sistence fro		Canadian	
County Hutchinson Sanford Sanford Sister of the Miles Sanford Sanford Sanford Sister of the Marest Town (Miles) 1 mile NW Sanford Sanford Sister of the Marest Town (Miles) 1 mile NW Sister of the Marest Town NW Sister of the Marest Town NW Sister of the Miles Sister			
Nearest town Sanford Distance from Nearest Town (Miles) 1 mile NW Direction from Nearest Town (Miles) 1 mile NW Dam Central Latitude 35.7167 Substitute 101.5533 Substitute 101.5533 Substitute 101.5533 Substitute Substitute 101.5533 Substitute			
Distance from Nearest Town (Miles)  Direction from Nearest Town  NW  Dam Central Latitude  35.7167  Dam Central Longitude  -101.5533  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 Consumption Diversion  Water Right or Application Number(s)  Permit Number(s)  Latest Amendment  Authorized Impoundment  1,407,572  Priority Date(s)  181.5 - Superseded  Priority Date(s)		The second secon	
Direction from Nearest Town NW ST.7167  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) 50  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 1815 - Superseded 1815 - Superseded 1815 - Superseded 1815 - Superseded 1816 - Superseded 1910 - Supersion 1910 - Supersion 1910 - Supersion 1910 - Superseded 1910			
Dam Central Latitude 35.7167   Dam Central Longitude -101.5533   Consumptive Diversion (Ac-Ft/Yr) 151,200   Consumptive Use (Ac-Ft/Yr)   Consumptive Use (Ac-Ft/Yr)   Consumptive Diversion   Consumpt			
Dam Central Longitude -101.5533			
Total Authorized Consumptive Diversion (Ac-Ft/Yr) 151,200 Total Non Consumptive Use (Ac-Ft/Yr) 7  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 1,407,572  Authorized Impoundment 1,407,572  Priority Date(s) 1/30/1956			
Total Non Consumptive Use (Ac-Ft/Yr)  Type of Use, Non-Consumptive Diversion  Type of Use, Multiple Purpose Consumption Diversion  Water Right or Application Number(s)  Carrell Number(s)  Latest Amendment  Authorized Impoundment  Priority Date(s)  1/30/1956  Latest Amendment  1,407,572  Priority Date(s)		<u> </u>	
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 1,407,572 Priority Date(s) 1/30/1956		151,200	
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 1,407,572 Priority Date(s) 1/30/1956	Total Non Consumptive Use (Ac-Ft/Yr)		
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 1,407,572  Priority Date(s) 1/30/1956	The state of the s	0	
Water Right or Application Number(s)  Permit Number(s)  Latest Amendment  Authorized Impoundment  1,407,572  Priority Date(s)  Cartificate of Adjudication  1815 - Superseded  1815 - Superseded  1815 - Superseded  1815 - Superseded		0	
Permit Number(s)         1815 - Superseded           Latest Amendment         4           Authorized Impoundment         1,407,572           Priority Date(s)         1/30/1956			Certificate of Adjudication
Latest Amendment		<u> </u>	
Authorized Impoundment         1,407,572           Priority Date(s)         1/30/1956			The state of the s
Priority Date(s) 1/30/1956		1 407 572	
		The second secon	
Hazard Classification High	The state of the s		
	Hazard Classification	High	

\*

Į,

men dith

Has your structure had any	significant modifications since	1970?
Yes	X No	Unknown
If so, what modifications w	ere made and when?	
May we contact the design	engineer for additional informa	ation or for copies of the plans?
Yes Yes	☐ No	Unknown
Design Engineer USBA	2	_
Do you have any representa can have?	ative photographs which the Te	xas Water Development Board
Yes	□No	
Can you furnish them in a c	ligital format?	
Yes Yes	□ No	
<del>-</del>	share photographs or design in es with the Texas Water Develo	
Yes	☐ No	
Thank you for your time!		

A CONTRACTOR OF THE CONTRACTOR		Comments
Name	Sam Rayburn Reservoir	
Impoundment Name	Ouri raybani rabbiron	
Dam Name	Sam Rayburn Dam	
Dani Name	Carr rayburi Buri	
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	parl.k.rodinan lusace.army.mil CESWF-EC-H
	Attn: CESWF-OD-L, P.O. Box 17300	CESWF-Ec-H
Address	Ft. Worth, TX 76102-0300	
Elevation		
of TOC (feet)	164.4	
Dead Pool Elevation (feet)		
`		
Original Conservation		
Pool Total Volume (acre-feet)	2.898.200	2898500
Original Surface		5, 11, 25, 27
Area at TOC (acre)	114,500	/
Original Dead Pool Volume	, 14,000	
(acre-feet)		
Last Survey Conservation	0.070.000	
Pool Total Volume (acre-feet)	2,876,033	V
Last Survey Conservation		
Pool Capacity (acre-feet)	1,415,043	
Last Survey Dead Pool		
Volume (acre-feet)	1,460,990	V
Last Survey Area at TOC		/
(acres)	112,590	V
Date of		
Last Survey	38078	April 2004 TWDE
Last Survey Performed by		TWOR
Total Drainage		100
_ <del>_</del>	3,449	
Area (mile <sup>2</sup> )	3,443	
Contributing Drainage		
Area (mile <sup>2</sup> )		
	flood control, water supply,	the production
Main Purposes	hydroelectric	power, recreation, fish/wildlife
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	190	193.6
Dam Length		
(feet)	19,430	16190
Dam Height		7
(feet)	120	V
Top Width		
(feet)	42	<b> </b>
Comments Dam General	legnth includes spillway and dikes	
	1982	
Year(s) of Modifications	1902	17 14 17 18 COM COM COM COM COM COM COM COM COM COM
Description of Modifications		Riprap repair: spillnay modification and
Emergency Spillway Type	uncontrolled	uncontrolled labyrinth weir
		<u>'</u>
<b>Emergency Spillway Location</b>	left of dam	

freeboard restoration

	Comments
	,
176	V
2200 (Report 126); 680 (NID 2006)	640 ft
249,700	
-0	
176	
,	
slide(sluice)	
1	2_
-	
slide(sluice)	Tractor Type gates
	· ·
105.0	<i>b</i> '
	61000
	21800
On	
011	AAAAAA
FY	
	/
	North
	V <sup>2</sup>
10 miles NW	
	2200 (Report 126); 680 (NID 2006) 249,700 0

÷

	Total Control	/ Comments
Direction from Nearest Town	NW	
Dam		31°03′38″ 94°06′21″
Central Latitude	31.0647	3/ 02 20
Dam		940 N' 21"
Central Longitude	-94.087	11 06 21
Total Authorized Consumptive		
Diversion (Ac-Ft/Yr)	28,000	
Total Non Consumptive Use	20,000	
1 ' 1		
(Ac-Ft/Yr)		,
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose		
Consumptive Diversion	ol	
Water Right or Application	C4411 excluding the backups for other	
Number(s)	diversion	
Permit Number(s)		
Latest Amendment	D	
Authorized Impoundment		
Priority Date(s)	08/12/1913, 12/31/1924, 11/12/1963	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure had any si	gnificant modifications sinc	e 1970?	
Yes	□No	Unknown	
•	of dam raised way added on	rk completed 1996 8.5 feet and the south nation or for copies of the plans?	
Yes	□No	Unknown	
☐ Yes  Design Engineer ☐ 3:	ggs? Matthew	<u>.</u> 5	
Do you have any representation can have?  In spection  Yes	ive photographs which the Tonis Murphy, PEOF the dam i	exas Water Development Board Freeze ? Nichols May 2006,	منک ما
Can you furnish them in a di	gital format?		
Yes	No		
May we have permission to s Freese and Nichols' archives		information on your dam in the clopment 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 <sup>2</sup> )	336	
Contributing Drainage		
Area (mile <sup>2</sup> )		
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	200 (Report 126); 1200 (NID	
(feet)	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 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	- On	
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	Veillon	
Nearest Town (miles)	15 miles S	
I Mediest Lowil (Illies)	10 1111163 0	

		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	
	1	
Type of Use, Multiple Purpose		
Consumptive Diversion	0	
Water Right or Application	1	
Number(s)	C5124	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	9,556	
Priority Date(s)	06/30/1926	
Hazard Classification	High	

<sup>\*</sup> 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 CONTRACTOR OF THE CONTRACTOR	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	Paulikirodman QUSacciarmyimil
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H
Address	Worth, TX 76102-0300	1°° ' - 1° '
Elevation		
of TOC (feet)	238.0	,/
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	160,100	4
Original Surface		
Area at TOC (acre)	11,460	Ý
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	147/04
Last Survey Dead Pool		
Volume (acre-feet)	9	$\hat{\wedge}$
Last Survey Area at TOC		<u> </u>
(acres)	11,555	√
Date of		
Last Survey	37803	July 2003
Last Survey Performed by		July 2003 TWOB
Total Drainage		
Area (mile <sup>2</sup> )	1,006	$\checkmark$
Contributing Drainage	1,000	
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	PREFERENCE
Top of Dam Elevation	Gaithiii	
(feet)	280	V
Dam Length	200	
(feet)	20,210	excluding cilling
Dam Height	20,210	80 antanto
(feet)	80	excluding spillsury 80 embankment 20 dike 34 (embankment and dike)
Top Width	20 (spillway section), 34 (embankment	20 MIN.
(feet)	section)	34 (ENDONKINENT and diffe)
Comments Dam General	4,715 ft of dike at right of spillway	
Year(s) of Modifications	4,7 13 it of dike at right of spillway	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency opiliway Type	uncontrolled	
Emergency Spillway Loostics	loft and of dam	
Emergency Spillway Location	left end of dam	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	258	V
Emergency Spillway Length		
(feet)	1250	V'
(,		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	286.000	Lat Maximum Design Witer Surfice
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	
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	slide(sluice)	Tractor-Type gales
Elevation of Outlet Works	4	// /
(feet above MSL)	206.0	
Discharge Capacity of Outlet		
Works (cfs)		3300 ofs 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	<u> </u>
Nearest town	Somerville	V
Distance from		
1	2 miles S	
Nearest Town (miles)		

		/ Comments
Direction from Nearest Town	S	V
Dam		200/01/02//
Central Latitude	30.3314	30°/9′20″ 96°31′32″
Dam		96021 321
Central Longitude	-96.5333	70 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	Mariopai, industrial, imgation, imming	
Number(s)	C5164	
Permit Number(s)		
Latest Amendment		
Authorized Impoundment	160,110	
Priority Date(s)	12/16/1963	
Hazard Classification	High	

<sup>\*</sup> 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 Lahr waxahachie

Has your structure had any	significant modifications sinc	e 1970?
Yes	□ No	Unknown
If so, what modifications w	were made and when?	•
1995 Roller	Compacted CONC	ui bospla stors
Stair Step cont	iguration on Dou	erete Placed in wastram Slope.
May we contact the design	engineer for additional inform	nation or for copies of the plans?
Yes	□No	Unknown
Design Engineer FRE	ese and Nichol?	5
Do you have any representation have?	ative photographs which the To	exas Water Development Board
Yes	☐ No	
Can you furnish them in a c	digital format?	•
Yes	□No	
	o share photographs or design i es with the Texas Water Devel	information on your dam in the opment Board?
Yes	□No	
Thank you for your time!		

	Comments	
Name	Waxahachie, Lake	
Impoundment Name		
Dam Name	South Prong Dam	
77.7	Ellis County Water Control &	
Owner	Improvement District #1	
Contact Person	David Bailey, Director of Utilities	
Telephone	972-937-7330 ext. 121	
Fax	972-923-1058	
Email	dbailey@waxahachie.com	
	P.O. Box 757 Waxahachie, TX	
Address	75168	,
7,447,000	7.0100	
Elevation		
of TOC (feet)	531.5	
Dead Pool Elevation (feet)	331.3	
Dodd i Ooi Lievation (leet)		
Original Conservation		
Pool Total Volume (acre-feet)	13,500	
Original Surface	13,300	
	600	
Area at TOC (acre)	690	
Original Dead Pool Volume		
(acre-feet)	1,500	2 12 2 2 2 2 2 2
		Survey Performed Nov. 6, 2000 by TWDB
Last Survey Conservation		Nov. 6 2000 by TWDB
Pool Total Volume (acre-feet)	11,386	
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 <sup>2</sup> )	30	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	
Dam Type	earthfill	
Top of Dam Elevation	eai (i iiiii	
(feet)	. 542	
	542	
Dam Length	2 000	
(feet)	3,800	
Dam Height	00 (0 4400) 00 (140 0000)	·
(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 Elevation of Outlet Works	valve	
(feet above MSL)		
Discharge Capacity of Outlet		
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
Odiot (iii Ddiii)		
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	

<sup>\*</sup> 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**

		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	225400	
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	n TXDAMS and confirmed by owner
Last Survey Conservation		
Pool Total Volume (acre-	202247	
feet)	208017	
Last Survey Conservation	200047	
Pool Capacity (acre-feet)	208017	
Last Survey Dead Pool		leave blank
Volume (acre-feet) Last Survey Area at TOC	≠	leave platin
(acres)	12553	
Date of	12000	
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 (mile²)	675	
Contributing Drainage		
Area (mile²)		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		70
(feet)	65	78
Top Width		20
(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)	270	
	370	
Emergency Spillway Length	200	3,000
(feet) Maximum Emergency	200	0,000
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		200
(feet)		200
Maximum Service Spillway		182,740 (using the Test Flood), or
Discharge Capacity (cfs)		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
Number of Gales		

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
<b>Discharge Capacity of Outlet</b>		
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)		
Supply Oddet III Daili (CIS)		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	OH	
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	0.1.005	
Central Latitude	31.325	
Dam	00.00	
Central Longitude	-96.32	
Source Lat/Long		
Upstream USGS Gauge	08110325, 08110430	
Number(s)	00110323, 00110430	J
Upstream USGS Gauge	Navasota River above Groesbeck, Tex., Big C	creek near Freestone. Tex
Name(s) Down Stream USGS Gauge	Travasora Triver above Gloesbeck, Tex., big C	]
_	08110500	
Number(s)	00110000	Į.

D 04 11000 0		
Down Stream USGS Gauge	November Diverges Footowky Toy	
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		
<b>Authorized Multiple Purpose</b>		
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-		
1	65074	
Ft/Yr) Total Non Consumptive Use	0007.1	
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion		
Type of Use, Multiple		
Purpose Consumptive		
Diversion	Municipal, Industrial, Irrigation, Mining	
CONTRACTOR AND AND ADMINISTRAL OF THE	municipal, maastral, imgatori, 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		11:
Hazard Rating	Significant	High

lake linestone (Starling C. Robertson Dam)

Has your structure	had any significant modifica	tions since 1970?
Yes	⊠ No	Unknown
If so, what modific	cations were made and when?	·
May we contact th	e design engineer for addition	nal information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer _		
Do you have any recan have?	epresentative photographs wh	nich the Texas Water Development Board
Yes	☐ No	
Can you furnish th	em in a digital format?	
Yes	☐ No	
	nission to share photographs of archives with the Texas Wa	or design information on your dam in the ater Development Board?
Yes	☐ No	
Thank you for you	r time!	



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 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

		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	Ψ10,070,070	
Modification Contractor		
Modification Cost		
Construction Source	NID 2006	
Construction Comments	1410 2000	
Owner	Brazos River Authority	
Contact Person		Dhil Fand CM/CFO
	Terry Lopas	Phil Ford GM/CEO
Telephone	254-761-3181 254-764-2205	254-761-3100
Fax	254-761-3205	( 10)
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)	<del>13680</del>	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	n 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

\$ 1

Last Survey Area at TOC		
(acres)	12553	
Date of	12000	
Last Survey	Apr-02	
Last Survey Performed by	TWDB	
Source Last Survey	Volumetric Survey of Lake Limestone, 2003	
	Volumetric Survey of Lake Limestone, 2000	
Comments Last Survey		
Other Surveys		
Source Other Surveys		
Modification(s) to		
Conservation Storage		
Total Drainage	075	
Area (mile²)	675	
Contributing Drainage		
Area (mile²)		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		
rear(s) or mounications		
Description of Modifications		
Source Modifications		
<b>Comments Modifications</b>		
Emergency Spillway Type	uncontrolled	
Emergency Spillway		
Location		East of Dam (left of dam)
Emergency Spillway		
Elevation (feet above MSL)	370	
<b>Emergency Spillway Length</b>		
(feet)	200	3,000
Maximum Emergency		
Spillway Discharge Capacity	,	
(cfs)		114,160 (using the Test Flood)
Source Emergency Spillway		
Information	NID 2006	
Comments Emergency		
Spillway Information		Controlled
Service Spillway Type		Center of Dam
Service Spillway Location		Centel of Daili

Service Spillway Length (feet)  Maximum Service Spillway Discharge Capacity (cfs)  Source Service Spillway Information  Comments Service Spillway Information  Type of Gates Number of Gates Maximum Gate Release			
Service Spillway Length (feet)  Maximum Service Spillway Discharge Capacity (cfs)  Source Service Spillway Information  Comments Service Spillway Information  Type of Gates Maximum Gate Release Capacity (cfs)  Source Gates NID 2006  Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source 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 Outlets Comments Outlets Supply Outlet of Reservoir Water Supply Outlets Control Service spillway On either side of service spillway		363	337
(feet)  Maximum Service Spillway Discharge Capacity (cfs)  Source Service Spillway Information  Comments Service Spillway Information  Type of Gates Itainter(radial)  Mumber of Gates Itainter(radial)  Maximum Gate Release Capacity (cfs)  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 Capacity of Outlet Works (feet above MSL)  Discharge Capacity of Water Supply Outlet (in Dam)  Discharge Capacity of Water Supply Outlet in Dam (cfs)  Source Outlets  Comments Outlets  Comments Outlets  Comments Outlets  Comments Outlets  Comments Outlets  On either side of service spillway	Sarvice Spillway Length	000	
Maximum Service Spillway Discharge Capacity (cfs)  Source Service Spillway Information Comments Service Spillway Information Type of Gates Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source Hydropower Type of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet (in Dam) Discharge Capacity of Water Supply Outlets Comments Outlets Comments Gutes Comments Outlets Comments Gates Capacity of Water Comments Gates Comments Gates Capacity of Water Comments Gates Capacity of Water Comments Gates Capacity of Water Comments Gates Capacity of Water Comments Gates Capacity of Water Capacity of Water Comments Gates Capacity of Water Comments Gates Capacity of Water Capacity of Wate	• •		200
Maximum Service Spillway Discharge Capacity (cfs)  Source Service Spillway Information  Comments Service Spillway Information  Type of Gates Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source Hydropower Type of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet (in Dam)  Discharge Capacity of Water Supply Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Supply Outlets Con either side of service spillway			182,740 (using the Test Flood), or
Source Service Spillway Information Comments Service Spillway Information Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source 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 Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Con interside of service spillway	•		
Information Comments Service Spillway Information Type of Gates Number of Gates Number of Gates Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source 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 Outlets Comments Outlets Comments Outlets Comments (feet above MSL) Comments (feet above MSL) Discharge Capacity of Outlet Comments (feet above MSL) Comments (feet above MSL) Comments (feet above MSL) Comments (feet above MSL) Comments (feet above MSL) Comments (fin Dam) Comments	Discharge Capacity (cfs)		flood)
Comments Service Spillway Information Type of Gates tainter(radial)  Number of Gates Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates 5 tainter, 3 other, 2 slide Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source 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 Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Comments Outlets Con difference on tainter(radial)  10  10  11  12  14  15  15  16  17  17  18  18  18  18  18  18  18  18	Source Service Spillway		
Information Type of Gates tainter(radial)  Number of Gates  Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source 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 Outlets Comments Outlets Comments Outlets Comments Supply Course Outlets Comments O	Information		
Type of Gates Number of Gates Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source Hydropower Type of Outlet Works (feet above MSL) Discharge Capacity of Outlet Works (cfs) Elevation of Water Supply Outlet (in Dam) Discharge Capacity of Water Supply Outlets Comments Out	Comments Service Spillway		
Number of Gates  Maximum Gate Release Capacity (cfs) Source Gates NID 2006 Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source 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 Outlets Source Outlets Comments Outlets C			
Maximum Gate Release	Type of Gates		
Capacity (cfs) 182, 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 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  On either side of service spillway		10	5
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  (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  Comments Outlets  Location of Reservoir Water Supply Outlets  On either side of service spillway	Maximum Gate Release		
Comments Gates Hydropower (Y/N) No. of Hydropower Units Generation Capacity (mW) Source 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  Comments Outlets Location of Reservoir Water Supply Outlets On either side of service spillway			182,740
Hydropower (Y/N) No. of Hydropower Units  Generation Capacity (mW) Source 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  On either side of service spillway			
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  On either side of service spillway			
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  On either side of service spillway		N	
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  On either side of service spillway			
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  On either side of service spillway			
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  One 10in pipe and two 36in pipes  325.25 ft and 322.0 ft above msl  12 and 150 (at 363 ft above msl)  12 and 150 (at 363 ft above msl)  On either side of service spillway		NID 2006	
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  On either side of service spillway			
(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  On either side of service spillway			One 10in pipe and two 36in pipes
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 On either side of service spillway	1		005.05 % 1.000.0 % 1
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  On either side of service spillway			325.25 ft and 322.0 ft above msi
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 On either side of service spillway			40 1450 (-+ 202 ft above mal)
Outlet (in Dam)  Discharge Capacity of Water Supply Outlet in Dam (cfs)  Source Outlets Comments Outlets Location of Reservoir Water Supply Outlets On either side of service spillway			12 and 150 (at 363 it above msi)
Discharge Capacity of Water Supply Outlet in Dam (cfs)  Source Outlets Comments Outlets Location of Reservoir Water Supply Outlets On either side of service spillway			225 25 # and 222 0 # shave mal
Supply Outlet in Dam (cfs)  Source Outlets  Comments Outlets  Location of Reservoir Water Supply Outlets  On either side of service spillway	Outlet (in Dam)		325.25 it and 322.0 it above his
Supply Outlet in Dam (cfs)  Source Outlets  Comments Outlets  Location of Reservoir Water Supply Outlets  On either side of service spillway	Discharge Capacity of Water		
Source Outlets Comments Outlets Location of Reservoir Water Supply Outlets On either side of service spillway			12 and 150 (at 363 ft above mal)
Comments Outlets Location of Reservoir Water Supply Outlets On either side of service spillway	• • • • • • • • • • • • • • • • • • • •		12 and 130 (at 303 it above msi)
Location of Reservoir Water Supply Outlets On either side of service spillway			
Supply Outlets On either side of service spillway			
			On either side of service spillway
Source water Supply			Off effice side of scrivice spiliway
Locations			
Comments Water Supply			
Locations			
On or Off Channel (ON/OFF) on	On or Off Channel (ON/OFF)	on	
Stream if Off-Channel			
Yield Type (FY,SY,Other) FY		FY	
			66,190
Year 2060 Yield (acre-feet) 55744 58,		55744	58,730
Source Yield DB07 Brazos River Authority		DB07	Brazos River Authority
Comments Yield			
River Basin Brazos		Brazos	
Stream Navasota River		Navasota River	
County Limestone, Leon, and Robertson		Limestone, Leon, and Robertson	
Nearest town Marquez		Marquez	

Distance from		
Distance from	7 miles NW	
Nearest Town (miles) Direction from Nearest	7 miles ivvv	
	NW	
Town		
Source Location	Verified using Google Maps	
Comments Location		
Water		Brazos G
Planning Region	G	Diazos G
Dam	24.205	
Central Latitude	31.325	
Dam	00.00	
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 C	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		
<b>Authorized Multiple Purpose</b>		
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-		
	65074	
Ft/Yr)	33074	

<b>Total Non Consumptive Use</b>		
(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

	Walter Brown	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	pavl.k. rodman @ usace. army, mil
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H
Address	Worth, TX 76102-0300	
Elevation		
of TOC (feet)	622.0	
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	235,700	$\sqrt{}$
Original Surface		/
Area at TOC (acre)	6,430	√
Original Dead Pool Volume		
(acre-feet)		
(40.0.100)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	227,825	
Last Survey Conservation		
Pool Capacity (acre-feet)	227,771	V
Last Survey Dead Pool		
Volume (acre-feet)	54	√ .
Last Survey Area at TOC		
(acres)	6,484	$\sqrt{}$
Date of	3,701	
Last Survey	38504	May 2005
Last Survey Performed by		TIMOR
Total Drainage		1000
Area (mile <sup>2</sup> )	1,318	
Contributing Drainage	1,510	
Area (mile <sup>2</sup> )	flood control, water supply	rayran tigu
Main Purposes	flood control, water supply earthfill	, recreation
Dam Type	еаппііі	
Top of Dam Elevation	600	· ·
(feet)	698	7
Dam Length	45.004	
(feet)	15,624	
Dam Height	222	
(feet)	200	i
Top Width	4.0	P
(feet)	42	1
Comments Dam General	legnth includes the dike	length includes spillway and dike
Year(s) of Modifications		/
Description of Modifications		
Emergency Spillway Type	uncontrolled	V
		/
Emergency Spillway Location	left of dam	

		Comments
Emergency Spillway Elevation		7
(feet above MSL)	666	√
Emergency Spillway Length		
(feet)	1650	l.
		673500 cfs
Maximum Emergency Spillway		
Discharge Capacity (cfs)	781,483	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 spirmay 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)	67 700	
Year 2060 Yield (acre-feet)	67,768	
River Basin	Brazos Lampaga Biyar	<u> </u>
Stream	Lampasas River	
County	Bell	-
Nearest town	Belton	V
Distance from	5 miles SW	
Nearest Town (miles)	5 miles Sw	

		Comments
Direction from Nearest Town	SW	
Dam		010410011
Central Latitude	31.0215	31°01′20″ 97°31′57″
Dam		0700110011
Central Longitude	-97.531	91 31 51
Total Authorized Consumptive		
Total Authorized Consumptive	67,768	
Diversion (Ac-Ft/Yr)	07,700	
Total Non Consumptive Use		
(Ac-Ft/Yr)		
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose		
Consumptive Diversion	ol	
Water Right or Application		
Number(s)	C5161	
Permit Number(s)	00101	
Latest Amendment		
Authorized Impoundment	235,700	
Priority Date(s)	12/16/1963	
Hazard Classification	High	

<sup>\*</sup> 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



# 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 District Manager

		Comments
Name	Striker, Lake	
Impoundment Name		
Dam Name	Striker Creek Dam	
	Olimor Ordon Dain	
Owner	Angelina-Nacogdoches Co WCID	
Contact Person	David Mason	
Telephone	903-854-4559	
Fax	903-854-4341	
Email	ancwcid1@aol.com	
201110071	18950 CR 4256 South Reklaw,	
Address	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 <sup>2</sup> )	182	· · · · · · · · · · · · · · · · · · ·
Contributing Drainage		
Area (mile <sup>2</sup> )		
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	Ŭ ,	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spillway Location	Right end of dam	

4 \$ 4

		Comments
Emergency Spillway Elevation	1	
(feet above MSL)	294	
Emergency Spillway Length		
(feet)	600 (Report 126); 650 (NID 2006)	
Maximum Francisco Calling		
Maximum Emergency Spillway	120,000	
Discharge Capacity (cfs)	130,000	
Service Spillway Type	controlled left end of dam	
Service Spillway Location	leit end of dam	
Service Spillway Elevation	282	
(feet above MSL)	202	
Service Spillway Length (feet)	140	
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		
Information		
Type of Gates	tainter(radial)	Ι Δ.
Number of Gates	4 5	Four, not five
Maximum Gate Release		<b>,</b>
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 Canacity of Motor		
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	Henderson	
Nearest Town (miles)	18 miles SW	
incatest rown (times)	10 111169 244	

		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)		l
Type of Use, Non-		
Consumptive Diversion	0	
Type of Use, Multiple Purpose		
Consumptive Diversion	o	
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	

<sup>\*</sup> 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

Has your structure had any s	ignificant modifications since	1970?	
Yes	Ŭ No	Unknown	
If so, what modifications we	re made and when?		
May we contact the design e	ngineer for additional informa	tion or for copies of the plans?	
Yes	No	Unknown	
Design Engineer J. M.	Lloyd + Asso	<u>c</u> iates	
Do you have any representate can have?	ive photographs which the Tex	Unknown  cia tes  xas Water Development Board	
Yes	□No		
Can you furnish them in a di	gital 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	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	Doubk colors Quegee asome mil
Liliali	Attn: CESWF-OD-L, P.O. Box 17300	Paul. K. rodman @ usace, army.mil
Address	Ft. Worth, TX 76102-0300	CL3WF-EC-H
Address		1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Floretian		Operating rule curve uses 220.6 as TOP of conservation port from beginning Nuvember To end of march. From beginning April To end of may the rule curve rises 22715, after which it falls 10 22016 at
Elevation	220.0	November To end of march. From beginning
of TOC (feet)	220.0	April To end of May The rule curve rises
Dead Pool Elevation (feet)		22715, atter which it talls 10 22016 at
		end of octuber.
Original Conservation		100 1 000
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	10,304	January 1997 TWDB
Last Survey	35/131	Ta 21/2 1997
Last Survey Performed by	30-701	THEORY
Total Drainage		10000
11	2.440	1/
Area (mile²)	3,443	V
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	flood control, water supply	· recreation
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	286	V
Dam Length		-
(feet)	18,500	18640
Dam Height		
(feet)	106	✓
Top Width		
(feet)	30	V
Comments Dam General		
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Emergency Spinway Type	uncontrolled	
Emergency Spillway Location	right end of dam	
Linergency Spirway Location	nghi end or dam	

of of the

		Comments
Emergency Spillway Elevation		·
(feet above MSL)	259.5	ν
Emergency Spillway Length		
(feet)	200	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	63,200	V
Service Spillway Type	0	What.
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	260	K
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		27600 cfs.
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	V,
County	Bowie, Cass	V. ,
Nearest town	Texarkana	w
Distance from		/
Nearest Town (miles)	9	V

		/ Comments
Direction from Nearest Town	SW	V
Dam		0001011011
Central Latitude	33.305	33° 18′ 16″ 94° 09′ 38″
Dam		040 091 2911
Central Longitude	-94.16	99 07 30
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	

<sup>\*</sup> 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

Has your structure h	nad any significant modificati	ons since 1970?
Yes	<b>⋈</b> No	Unknown
If so, what modifica	ations were made and when?	
May we contact the		I information or for copies of the plans?
we domain the	design engineer for additional	i mormation of for copies of the plans?
☑ Yes	□No	🔀 Unknown
Design Engineer	Forest + Cotten	
Do you have any rep can have?	presentative photographs which	ch the Texas Water Development Board
Yes	<b>⊠</b> No	
Can you furnish the	m in a digital format?	
Yes	☐ No	
May we have permis Freese and Nichols'	ssion to share photographs or archives with the Texas Wate	design information on your dam in the er Development Board?
X Yes	□ No	
Thank you for your	time!	

	1	Comments
Name	Toledo Bend Reservoir	
Impoundment Name	Conti	
Dam Name	Toledo Bend Dam	V4.
1.944		T \
	Sabine River Authorities of	10/03 2 2 11 (Cell 1)
Owner	Texas and Louisiana	50/SU DWN ERSHIP
Contact Person	Donnie Henson	
Telephone	409-746-2192	
Fax	409-746-3780	
Email	dhenson@sratx.org	1
	P.O. Box 579 Orange, TX	
Address	77630	
Page 033	177030	
Elevation	· · · · · · · · · · · · · · · · · · ·	\$ 1 manual 1
of TOC (feet)	1770	
	172.0	 
Dead Pool Elevation (feet)	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Nychie - 162.2 Water sug 126
Autitus Assessed		
Original Conservation	,	
Pool Total Volume (acre-feet)	4,477,000	
Original Surface	,	V 7. 7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Area at TOC (acre)	181,600	
Original Dead Pool Volume		Nydra 2922, 800 with 5 79847?
(acre-feet)	IJN KNO WN	North 2922, 800 with " 15
Last Survey Conservation		
Pool Total Volume (acre-feet)	4,477,000	
Last Survey Conservation	4,477,000	
Pool Capacity (acre-feet)	4 472 000	
Last Survey Dead Pool	4,472,900	
Volume (acre-feet)	4.400	
	4,100	* ( ***
Last Survey Area at TOC		
(acres)	181,600	
Date of		
Last Survey	n/a	
Last Survey Performed by	- , ,	
Total Drainage		
^ Area (mile²)	7,178	7190 sq miles
Contributing Drainage		
Area (mile²)		· ·
78	water supply, hydroelec,	
Main Purposes	recreation	
Dam Type	earthfill	**************************************
Top of Dam Elevation	sai mini	All the second s
(feet)	405	
Dam Length	185	9.3
(feet)	4.400	
(iaal)	11,200	
Dan 11-1-1-1	122 (Report 126); Dike 1: 10	
Dam Height	ft, Dike 2: 55 ft, Dike 3: 11ft	
(feet)	(NID 2006)	
Top Width		
(feet)_	25	
Comments Dam General	earthfill and gravity NID 2006	
Year(s) of Modifications		None
Description of Modifications		

		Comments
Emergency Spillway Type	controlled	_
Emergency Spillway Location	LcEE Right end of dam	North end
Emergency Spillway Elevation		
(feet above MSL)	145	173 MSL
Emergency Spillway Length		_
(feet)	440	838 #
	1774	, T
Maximum Emergency Spillway	202.000	290,000
Discharge Capacity (cfs)	360,000	
Service Spillway Type	0	2
Service Spillway Location		4-74
Service Spillway Elevation		
(feet above MSL)		***************************************
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		V. 15
Information	ļ	
Type of Gates	tainter(radial)	
Number of Gates	12i	1) antia
Maximum Gate Release	V-1	The second second
Capacity (cfs)		11 galis 26.363 cfs
Hydropower (Y/N)		26,74,74,3
No. of Hydropower Units	2	78 had a constraint of the second of the sec
Generation Capacity (mW)	80.75	85
Type of Outlet Works		4
Elevation of Outlet Works	slide(sluice)	A
(feet above MSL)	100.0	
Discharge Capacity of Outlet	100.0	\$
Works (cfs)		144 Cfs
		777
Elevation of Water Supply	N/A	
Outlet (in Dam)	N/F6	
Discharge Capacity of Water		·
Supply Outlet in Dam (cfs)	NIA	سي وويو
Location of Reservoir Water		12 play is completely Lynniger
Supply Outlets		many
On or Off Channel (ON/OFF)	Qn.	
Stream if Off-Channel	. N/A	**************************************
Yield Type (FY:Firm Yield,SY:	1/3	
Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	750,000	At 1/2
Year 2060 Yield (acre-feet)	750,000	it is the
River Basin	Sabine	NOX Y
Stream	Sabine River	
Vilvain	Newton, Panola, Sabine,	p , ( q execution )
County	Shelby	TX
Nearest town	Burkeville	
Distance from	DUIKEVIIIE	******
Nearest Town (miles)	14 miles NE	
- redical Lower (Times)		V4.

		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-8x3 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)		A Company of the Comp
Latest Amendment	Α	
Authorized Impoundment	4,477,000	
Priority Date(s)	03/05/1958, 01/22/1986	
Hazard Classification	High	

<sup>\*</sup> 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





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	and K codman Bucaco armi mil
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	paul. K. redman & Usace, army, mil CESWF-EC-H
Address	Worth, TX 76102-0300	CESWY-ECH
Autress	Voitii, 1X 70 102-0000	
Elevation		
of TOC (feet)	83.0	
Dead Pool Elevation (feet)	00.0	
Dead Pool Elevation (leet)		
Original Conservation		
Pool Total Volume (acre-feet)	94,200	
II	94,200	
Original Surface	40.700	
Area at TOC (acre)	13,700	
Original Dead Pool Volume		
(acre-feet)		
Last Survey Conservation		./
Pool Total Volume (acre-feet)	66,972	V
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	<i>V</i>
Date of		
Last Survey	37744	June 2003
Last Survey Performed by		TWDB
Total Drainage		/
Area (mile <sup>2</sup> )	7,573	
Contributing Drainage	,,,,,,	
Area (mile <sup>2</sup> )		
Main Purposes	water supply, hydropower	I man laring was a single
Dam Type	earthfill	/ reregulation, recreation
Top of Dam Elevation	earuilli	~
(feet)	95	
	95	
Dam Length	6.000	I in aludion collis in
(feet)	6,698	Including Spillway
Dam Height	4.5	/
(feet)	45	<u> </u>
Top Width	0.5	
(feet)	25	7
Comments Dam General	paved earthfill	4
Year(s) of Modifications	1988	V
Description of Modifications		hydropower farling constructed
Emergency Spillway Type	uncontrolled	<i>y</i> - , , , , , , , , , , , , , , , , , , ,
Emergency Spillway Location		

		Comments
Emergency Spillway Elevation		
(feet above MSL)	85	
Emergency Spillway Length		
(feet)	6100	
(1007)	0100	
Maximum Emergency Spillway	-68000-at-water-el-83-(Report-126;	maximum Decign Warr surface 218,300 cts an Plev. 93.0
Discharge Capacity (cfs)	spillway-only); 218200 (NID 2006)	2/8,300 cts of play, 93,0
Service Spillway Type	controlled	11.9.
Service Spillway Location	right end of dam	
Service Spillway Elevation	ngsk ond or dam	
(feet above MSL)		50.0
(loctaboto mol)		
Service Spillway Length (feet)	240 (net)	
Maximum Service Spillway	2.13 (Het)	
Discharge Capacity (cfs)		67000 cfs at elev. 83,0
Comments Service Spillway		U, UUU U, C, C, C, C, C, C, C, C, C, C, C, C, C,
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	1	2.
Generation Capacity (mW)		3.84 MW
Type of Outlet Works	other	Jo 8 7 /N VV
Elevation of Outlet Works	Otrier	
(feet above MSL)	52.0	·,/
Discharge Capacity of Outlet	02.0	
Works (cfs)		1490 cts at elevation 83,0
Elevation of Water Supply		17 10 678 41 (760(1107) 8370
Outlet (in Dam)		
Oddet (III Dalli)		
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	<del></del>
County	Tyler, Jasper	<u>/</u>
Nearest town	Town Bluff	<u> </u>
Distance from	TOWIT DIVIL	<u> </u>
Nearest Town (miles)	0.5	
ivediest rown (iiilles)	0.5	

		Comments
Direction from Nearest Town	N	
Dam		
Central Latitude	30.8011	V
Dam		/
Central Longitude	-94.1716	V
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	C4411 excluding the backups for other	
Number(s)	diversion	
Permit Number(s)		
Latest Amendment	D	
Authorized Impoundment		
Priority Date(s)	08/12/1913, 12/31/1924, 11/12/1963	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure ha	d any significant modifica	tions since 1970?	
Yes	☐ No	Unknown	
_	ons were made and when?	,	
May we contact the d	esign engineer for additior	nal information or for copies of the p	lans?
Yes	□ No	Unknown	
Design Engineer	Barrion of	North of Sand	
Do you have any repr can have?	esentative photographs wh	nich the Texas Water Development E	Board
☐ Yes	No		
Can you furnish them	in a digital format?		
Yes	☐ No		
	ion to share photographs o rchives with the Texas Wa	or design information on your dam in ter Development Board?	ı the
Yes	☐ No		
Thank you for your ti	mel		

		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- 651- 4204
Fax	915-655-6397	325-655 4397
Email	wwilde@wcc.net	325-655 4397 325-655 4397 Will Dilde O Son Andrew Texas. US
Address	P.O. Box 1751 San Angelo, TX 76902	72 W. College So. Angelotts
7.44.000		***
Elevation		
of TOC (feet)	1,940.2	
Dead Pool Elevation (feet)	4,600	· 1884 a. 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 <sup>2</sup> )	3,724	
Contributing Drainage	5,121	
Area (mile <sup>2</sup> )	2,546	
/ uca (mile)	water supply, flood, irrigation,	
Main Purposes	recreation	
Dam Type	earthfill	
Top of Dam Elevation	- Julian - J	
(feet)	1,991	
Dam Length	1,001	
(feet)	8.04 miles	
Dam Height	5.5 1 111105	
(feet)	134	
Top Width	104	
(feet)	30	
Comments Dam General		
Year(s) of Modifications	1997	
Description of Modifications	1007	
Emergency Spillway Type	uncontrolled	
Emergency Opinway Type	anonii died	
Emergency Spillway Location	near left end of dam	
Lineigonoy opiniway Location	, tour tote one of date	

		Comments
Emergency Spillway Elevation		·
(feet above MSL)	1969.1	
Emergency Spillway Length		
(feet)	200	
(icci)		,
Maximum Emergency Spillway		
Discharge Capacity (cfs)	47,300	
Service Spillway Type	0	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	1,960	
(reer above mer)	1,000	
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)		
	tainter(radial)	
Type of Outlet Works Elevation of Outlet Works	taintei(taulai)	
11	1 905 0	
(feet above MSL)	1,885.0	
Discharge Capacity of Outlet	25 000 0	
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	0	
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	
	South Concho River, Spring Creek,	
Stream	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		
Time of the Multiple Division			
Type of Use, Multiple Purpose			
Consumptive Diversion	U		
Water Right or Application	24249		
Number(s)	C1318		
Permit Number(s)			
Latest Amendment	Α		
Authorized Impoundment	170,000		
Priority Date(s)	05/06/1959		
Hazard Classification	High		

<sup>\*</sup> 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 Nuces Dam

Has your structure	had any significant modifica	tions since 1970?
Yes	No	Unknown
If so, what modific	ations were made and when?	
May we contact the	e design engineer for addition	nal information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer _		
Do you have any recan have?	epresentative photographs wh	nich the Texas Water Development Board
Yes	V No	
Can you furnish the	em in a digital format?	
Yes	No	
	ission to share photographs of archives with the Texas Wa	or design information on your dam in the ater 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	
	P.O. Drawer 729 Crystal City, TX	***************************************
Address	78839	
7.00.00	, , , , , , , , , , , , , , , , , , , ,	
Elevation		
of TOC (feet)	598.0	
Dead Pool Elevation (feet)	330.0	
Dead Foor Elevation (leet)		
Original Conservation		
Pool Total Volume (acre-feet)	7 500	
Original Surface	7,590	
	240	
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 <sup>2</sup> )	2,160	
Contributing Drainage	2,100	
Area (mile <sup>2</sup> )		•
Main Purposes	irrigation	
Dam Type	earthfill	
Top of Dam Elevation	Cartinii	
(feet)	598	
Dam Length	396	
(feet)	550	
Dam Height	550	
(feet)	60	
Top Width		
(feet)	20	
Comments Dam General	20	
	4057 (Danast 400) 4000 (NID	
Year(s) of Modifications	1957 (Report 126) 1990 (NID	
Description of Modifications	1957: Spillway	
Emergency Spillway Type	uncontrolled	
<b> </b>	. , . 1	
Emergency Spillway Location	upstream of dam	

Î

Ø

d d

Ø

¢

ŧ

		Comments
Emergency Spillway Elevation		Oomilients
(feet above MSL)	606	
Emergency Spillway Length		
(feet)	320 (Report 126), 270 (NID 2006)	
(1001)	020 (10port 120), 270 (11D 2000)	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	ol	
Service Spillway Type	uncontrolled	
Service Spillway Location	dilontiona	
Service Spillway Elevation		
(feet above MSL)	598	•
(idditaboto moz)		
Service Spillway Length (feet)	270	
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway	concrete, discharges flow to a	
Information	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)	1 - 1 - 1
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	

ø

Ø

		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	,

<sup>\*</sup> 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 BRAUNIS

	Has your structure had any s	ignificant modifications since	1970?
	Yes Yes	□No	Unknown
	If so, what modifications were	re made and when?	
t	Added additional r	naterial for embanka Slide areas (shallow	nent Stabilization
¥-	Lime Stabilizer 3	Sticle areas (Shallow	a Slope failures)
	May we contact the design en	ngineer for additional informa	tion or for copies of the plans?
	*Yes	□No	Unknown
	Design Engineer Brown	+ Root, Inc. Houston	V, Tx Job E684
	can have?	made Aveilable, A	xas Water Development Board
	Yes	♂ No	
	CONTACT ERIC Olso	N C 210 353-3677	
	Can you furnish them in a dig		
	Yes	□No	
		share photographs or design in with the Texas Water Develop	
	Yes	No	
	Thank you for your time!		

No	Viotos Prounis Late	Comments
Name	Victor Braunig Lake	
Impoundment Name	Vista Described	
Dam Name	Victor Braunig Plant Dam	
Owner	City Public Service	
Contact Person	A.W.Calle	Richard Peña
Telephone	2 <del>10-353-3886</del>	210 353 1360
Fax	210-333-3800	210 333 4360
Email		
Elliali	P.O. Box 1771 San	
A al alue = =	l I	
Address	Antonio, TX 78296	
Elevation		
of TOC (feet)	507.0	
Dead Pool Elevation (feet)		
Original Conservation		
Pool Total Volume (acre-feet)	26,500	
Original Surface	20,500	
Area at TOC (ages)	4.050	
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	26,500	
	20.522	
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 <sup>2</sup> )	9	
Contributing Drainage		
Area (mile²)		
Main Purposes	industrial, recreation	
Dam Type	earthfill	
Top of Dam Elevation		
(feet)	516	
Dam Length	310	
(feet)	9,647	
Dam Height	3,047	
(feet)	80	
Top Width		
(feet)	40	
Comments Dam General	18	
Year(s) of Modifications		
Description of Modifications		
Emergency Spillway Type	controlled	
mergency Spillway Location		

		Comments
Emergency Spillway Elevation		
(feet above MSL)	493	3
Emergency Spillway Length	66 (Report 126), 74 (NIC	
(feet)	2006	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	16,944	<u> </u>
Service Spillway Type	C	
Service Spillway Location		
Service Spillway Elevation		
(feet above MSL)	493	3
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	ol	
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	

<sup>\*</sup> 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 Rusace, armu, mil
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	paul. K. rodman e usace, army, mil
Address	Worth, TX 76102-0300	1.00
Elevation		
of TOC (feet)	455.0	462,0
Dead Pool Elevation (feet)		
·		, 1
Original Conservation		original
Pool Total Volume (acre-feet)	152,500	AT TOC elevation 455
Original Surface		original  OT TOC elevation 455  original  AT TOC elevation 455
Area at TOC (acre)	7,270	at Toe eleverton 455
Original Dead Pool Volume		
(acre-feet)		
Last Survey Conservation		
Pool Total Volume (acre-feet)	144,830	199227 AT TOC dev. 462
Last Survey Conservation		·
Pool Capacity (acre-feet)	144,546	198943
Last Survey Dead Pool		
Volume (acre-feet)	284	$\checkmark$
Last Survey Area at TOC		
(acres)	7,194	8437 at 706 clev 462
Date of		
Last Survey	34700	January 1915
Last Survey Performed by		January 1995 TWDB
Total Drainage		
Area (mile <sup>2</sup> )	1,670	1652
Contributing Drainage		
Area (mile <sup>2</sup> )		_
Main Purposes	flood control, water supply	, recreation
Dam Type	earthfill	
Top of Dam Elevation		514.6 top of faraper in it
(feet)	510	511.3 Top eleverion
Dam Length		
(feet)	24.618	17381 for (excluding Spillway)
Dam Height		7
(feet)	140	
Top Width		
(feet)	20	,
Comments Dam General	earthfill with concrete spilway	
Year(s) of Modifications		Sept 1978 Thru Apr 2000
Description of Modifications		Sept 1978 thru Aprzood Raised crest and Faraper 104//
Emergency Spillway Type	controlled	the state of the s
5 - 7 7 - 7 - 7 - 7	23	
Emergency Spillway Location	center of dam	

		Comments
Emergency Spillway Elevation		
(feet above MSL)	465	į
Emergency Spillway Length		
(feet)	560	r'
		683000 cfs at maximum
Maximum Emergency Spillway		Design Water Surface
Discharge Capacity (cfs)	563,300	DESTAN SVATER SUPERCE
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	
Maximum Gate Release		
Capacity (cfs)		
Hydropower (Y/N)	N	
No. of Hydropower Units		
Generation Capacity (mW)		
Type of Outlet Works	other	Broome -gove tractor pates
Elevation of Outlet Works		
(feet above MSL)	400.0	
Discharge Capacity of Outlet		21500 CFS at Maximum
Works (cfs)		Dreign 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:	İ	
Safe Tield,Other)	FY	
Year 2010 Yield (acre-feet)	79,869	
Year 2060 Yield (acre-feet)	79,869	
River Basin	Brazos	/
Stream	Bosque River	<u> </u>
County	McLennan	<u> </u>
Nearest town	Waco	
Distance from		
Nearest Town (miles)	2 miles W	V

		Comments
Direction from Nearest Town	· W	
Dam		210 211 115 11
Central Latitude	31.584	31 39 46
Dam		31° 34′ 46″ 97° 11′ 51″
Central Longitude	-97.202	9/ // 5/
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	
	01/10/1929, 04/16/1958, 02/21/1979,	
Priority Date(s)	09/12/1986, 01/21/1988	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure had any si	gnificant modifications since	1970?
X Yes	□No	Unknown
	Pause dam and	extented spillway
May we contact the design en	ngineer for additional informa	tion or for copies of the plans?
▼ Yes	□No	Unknown
Design Engineer HOR	Austin	_
Do you have any representat can have?	ive photographs which the Te	xas Water Development Board
Yes	No	
Can you furnish them in a di	gital format?	
Yes	□No	
May we have permission to Freese and Nichols' archives	share photographs or design in s with the Texas Water Develo	nformation on your dam in the opment 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	40.470	
Pool Total Volume (acre-feet)	19,470	
Original Surface	4 040	
Area at TOC (acre)	1,210	
Original Dead Pool Volume		
(acre-feet)		
Last Survey Conservation	18,714	
Pool Total Volume (acre-feet)	10,714	
Last Survey Conservation	18,650	
Pool Capacity (acre-feet)	10,000	
Last Survey Dead Pool Volume (acre-feet)	69	
Last Survey Area at TOC	00	
(acres)	1,158	
Date of	1,100	
Last Survey	35886	
Last Survey Performed by		
Total Drainage		
Area (mile <sup>2</sup> )	109	
Contributing Drainage	100	
Area (mile <sup>2</sup> )		
Main Purposes	water supply, irrigation, recreation	
Dam Type	earthfill	
Top of Dam Elevation	Saram	
(feet)	914	
Dam Length		
(feet)	4,055	
Dam Height	, and the second	
(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	section 1: 500 ft, section 2: 500 ft	
(feet)	(Report 126); 500 (NID 2006)	
(.000)		
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	
(1001.0001.11.11)		
Service Spillway Length (feet)	102	
Maximum Service Spillway		
Discharge Capacity (cfs)	•	
	semi circular drop inlet, discharge	
Comments Service Spillway	conuit 9x9 ft, 425 ft long note states :	
Information	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	Α	
Authorized Impoundment	19,470	
Priority Date(s)	08/16/1954, 12/01/1969	
Hazard Classification	High	

<sup>\*</sup> 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

Has your structure had any si	ignificant modifications since	1970?
Yes	□No	Unknown
If so, what modifications were		
DAM SAFETY IMPROVEMENT PROVINCE	SYMENTS INTAKE A ENTS WESTERN END	REA 1993 HDR 106 Spillway 1997 (Ciry)
		tion or for copies of the plans?
Yes	□No	Unknown
Design Engineer (HDR) R (CITY) N Do you have any representation can have?	Shoemaker P.E. Jame Hotopp P.E. ive photographs which the Tex	– kas Water Development Board
Yes	No	
Can you furnish them in a di	gital format?	
Yes	□ No Rip-RAP ON	3-5
	share photographs or design in with the Texas Water Develo	
Yes	□No	
Thank you for your time!		

Comments Name Welsh Reservoir Note - this is for our Welsh Power Plant Swauano Creek Reservoir Impoundment Name Swauano Creek Dam Dam Name National Inventory # 4357 Owner AEP-Southwestern Electric Power Company Contact Person **Greg Carter** 318-673-3831 903-746-4585 Telephone 318-673-2742 don't have one that I regularly use Fax wgcarter@aep.com Email 2400 FM 3251 Hallsville, Texas 75650 Address P.O. Box 21106 Shreveport, LA 71156 Elevation □of TOC (feet) 320 Dead Pool Elevation (feet) 23587 Original Conservation Pool Total Volume (acre-feet) 1365 1269 Original Surface DArea at TOC (acre) 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. 18431 Last Survey Conservation Pool Capacity (acre-feet) Last Survey Dead Pool Volume (acre-feet) 1811 Last Survey Area at TOC (acres) -1269 Date of □Last Survey 37196 11/27&28/2001 **TWDB** Last Survey Performed by 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 60.5 Dam Height (feet) 60 20 Top Width□(feet) soil foundation, upstream facing concrete soil cement on upstream face from elev 310 to 335 Comments Dam General dam Year(s) of Modifications Description of Modifications **Emergency Spillway Type** uncontrolled right of dam **Emergency Spillway Location** Emergency Spillway Elevation (feet above MSL) 326 1500 1500 ft wide and about 1800 ft long Emergency Spillway Length (feet) 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 21840 329.36 feet Maximum Emergency Spillway Discharge Capacity (c 0 Morning glory (drop inlet) Service Spillway Type In front of dam near center Service Spillway Location

Maximum Service Spillway Discharge Capacity (cfs)

Service Spillway Elevation (feet above MSL)

Service Spillway Length (feet)

Comments Service Spillway Information Type of Gates Number of Gates

Maximum Gate Release Capacity (cfs)

Hydropower (Y/N)

valve

N

2

320

none

0

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

351 ft from centerline of Morning glory to stilling basin. Conduit under dam is generally 8 ft wide by 7 ft tall.

No. of Hydropower Units Generation Capacity (mW) 0 2 each 18 inch butterfly valves in 18 inch concrete c greated Type of Outlet Works 295 Elevation of Outlet Works (feet above MSL) 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) FΥ Is this from TCEQ's WAM? Or F&N design? Please provide 3739 documentation to me. Year 2010 Yield (acre-feet) Year 2060 Yield (acre-feet) 3739 from DB07 River Basin Cypress Swauano Creek Stream Titus County Daingerfield Cason Nearest town 1 mile NW Distance from □ Nearest Town (miles) 5 miles W Direction from Nearest Town W 33.044 Dam □Central Latitude Dam □Central Longitude -94.8333 17000 Total Authorized Consumptive Diversion (Ac-Ft/Yr) Total Non Consumptive Use (Ac-Ft/Yr) Type of Use, Non-Consumptive Diversion 0 Type of Use, Multiple Purpose Consumptive Diversio 0 COA 04-4576 Water Right or Application Number(s) C4576 2926 Permit Number(s) 12/16/2002 Latest Amendment Authorized Impoundment 23587 Priority Date(s) 09/10/1973 Hazard Classification High

<sup>\*</sup> 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

White Oak Creck Dam

Has your structure had any	significant modifications	since 1970?
X Yes	☐ No	Unknown
If so, what modifications w		.,
Two foot "I" the level of	beam installed the lake tu	in spillway to raise
May we contact the design	engineer for additional inf	formation or for copies of the plans?
Yes	□No	Unknown
Design EngineerFree	se and Nichols	<del></del>
		e Texas Water Development Board
Yes	□ No Phese	s have been made since e pictures were taken.
Can you furnish them in a d	igital format?	
Yes	□No	
May we have permission to Freese and Nichols' archive		gn information on your dam in the evelopment Board?
X 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	rice @ sulphursprings +x. 019
	125 South Davis Sulphur	
Address	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	aa	
Pool Capacity (acre-feet)	17,838	
Last Survey Dead Pool	,	
Volume (acre-feet)	n/a	
Last Survey Area at TOC	4 0 4 0	
(acres)	1,340	
Date of	/-	
Last Survey	n/a	
Last Survey Performed by Total Drainage		
H	66	
Area (mile <sup>2</sup> )	66	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, recreation	
Dam Type	earthfill	
Top of Dam Elevation	4774	
(feet)	474	
Dam Length	6 222	
(feet)	6,232 44 (Report 126); 34 (NID	
Dam Height	44 (Report 126); 34 (NID 2006)	
(feet)	2006)	
Top Width	20	
(feet)	legnth includes service	
Comments Dam General	spillway	
Year(s) of Modifications	Spillway	
Description of Modifications		
Emergency Spillway Type	uncontrolled	
Lineigency Spiliway Type	uncontrolled	
Emergency Spillway Location	left end of the dam	

f		Comments
Emergency Spillway Elevation		
(feet above MSL)	462	
Emergency Spillway Length	275 (Report 126); 800 (NID	
(feet)	2006)	
(1001)		
Maximum Emergency Spillway	•	
Discharge Capacity (cfs)	49,800	
Service Spillway Type	controlled	
Service Spillway Location	near center of dam	
Service Spillway Elevation		, 1.
(feet above MSL)	441 (gated), 457 (ungated)	459 (ungated)
(loct above inely	45 ft (gated), 20 ft	1) 10% ) %
Service Spillway Length (feet)	(ungated)	•
Maximum Service Spillway	(angus a)	
Discharge Capacity (cfs)		
Discharge Capacity (cra)	concrete ogee, four vertical	· · · · · · · · · · · · · · · · · · ·
Comments Service Spillway	gates, Farm to Market	
Information	Road 2285 bridge over	
mormation	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	110,10	
(feet above MSL)		
Discharge Capacity of Outlet		
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
Oddet (iii Daiii)		
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	Carpital Opinigo	
Nearest Town (miles)	2 miles N	
I INCOLOSE LOWER (HIMES)	Z IIIICS IV	

		C
		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	В	
Authorized Impoundment	17,838	
Priority Date(s)	07/24/1951	
Hazard Classification	High	

<sup>\*</sup> 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 <sup>2</sup> )	172	
Contributing Drainage		
Area (mile <sup>2</sup> )		
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	

\$ \$

į

		Comments
Emergency Spillway Elevation		
(feet above MSL)	2384	
Emergency Spillway Length		
(feet)	1100	
(100.)		
Maximum Emergency Spillway		
Discharge Capacity (cfs)	91,120	
Service Spillway Type	uncontrolled	
Service Spillway Location	center of dam	
Service Spillway Elevation	crest: 2369.2 and invert to low outlet:	
(feet above MSL)	2330.75	
(ICCL above IVICE)	200110	
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	, uno	
(feet above MSL)	2,323.0	
Discharge Capacity of Outlet	2,020.0	
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
Oddet (III Daill)		
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	Crosbyton	
Nearest Town (miles)	16 miles SE	
ivearest rown (miles)	TO TIMES OF	

		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	

<sup>\*</sup> 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 s	ignificant modifications since	1970?
Yes	☑ No	Unknown
If so, what modifications we	re made and when?	
May we contact the design e	ngineer for additional informa	tion or for copies of the plans?
Yes	□ No	Unknown
Design Engineer Freeze	Nichols and Endre	2.2
Do you have any representat can have?	ive photographs which the Tex	xas Water Development Board
Yes	☑No	
Can you furnish them in a di	gital format?	
Yes	☑No	
= =	share photographs or design in with the Texas Water Develo	
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	pavl.k.rodman @ usace.armymil CESWF-EC-H	
	Attn: CESWF-OD-L, P.O. Box 17300 Ft.	CESWF-EC-H	
Address	Worth, TX 76102-0300		
Elevation			
of TOC (feet)	533.0		
Dead Pool Elevation (feet)			
Original Conservation			
Pool Total Volume (acre-feet)	627,100	V	
Original Surface	-		
Area at TOC (acre)	23,560	V	
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	V	
Last Survey Dead Pool			
Volume (acre-feet)	859	854	
Last Survey Area at TOC		/	
(acres)	23,220	V	
Date of			
Last Survey	38504	June 2005	
Last Survey Performed by		TWDR	
Total Drainage			
Area (mile <sup>2</sup> )	26,616	27/89	
Contributing Drainage		, en , d	
Area (mile <sup>2</sup> )	17,656	17623	
		4. 0.1/ .11.	
Main Purposes	flood control, water supply, hydroelectric	power, recreation, fish/wildlife	
Dam Type	l gravity	r r	
Top of Dam Elevation		584 TOP of concrete dam 580 Top of earth emborkment	
(feet)	584	580 TOP OF EATTH EMBRAKMENT	
Dam Length	47.00		
(feet)	17,695		
Dam Height	450		
(feet)	159		
Top Width	24(amhanismant) and 20 (anillisms)		
(feet)	34(embankment) and 28 (spillway)		
Comments Dam General	concrete gravity and earthfill		
Year(s) of Modifications			
Description of Modifications	and the last		
Emergency Spillway Type	controlled		
	last and of the dam	۵.	
Emergency Spillway Location	left end of the dam		

		Comments
Emergency Spillway Elevation		- Commonts
(feet above MSL)	533	ŕ
Emergency Spillway Length	000	
(feet)	680	V
(icet)	000	
Maximum Emergency Spillway		
Discharge Capacity (cfs)	684,000	$\mu'$
Service Spillway Type	004,000	
Service Spillway Location	U	
Service Spillway Elevation		
(feet above MSL)	533	
(leet above MSL)	000	
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	17	
Capacity (cfs)		
Hydropower (Y/N)	Y	
No. of Hydropower Units	2	
Generation Capacity (mW)	30	
Type of Outlet Works		
Elevation of Outlet Works	UIKIOWII	16 conduits through base of dam
1	440.0	1311 10 00
(feet above MSL)	440.0	498.83
Discharge Capacity of Outlet	45,000.0	46400 645
Works (cfs)	45,000.0	448.83 46400 cfs at top of flood control pool
Elevation of Water Supply		
Outlet (in Dam)		
Discharge Conseit: of Mater		
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	V ,
Stream	Brazos River	V
County	Hill, Bosque	V
Nearest town	Whitney	V
Distance from		
Nearest Town (miles)	5.5 miles SW	,

		Comments
Direction from Nearest Town	SW	
Dam		010-11-11
Central Latitude	31.8727	31°51′55″ 97°22′18″
Dam		9700011011
Central Longitude	-97.36667	77 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	

<sup>\*</sup> 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	Jim Bukon
Telephone	254-442-2111	
Fax	254-442-3632	
Email	ciscocit@eastland.net-	CISCOMANAGER @ SBC CLOBAL . 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 <sup>2</sup> )	26	
Contributing Drainage		
Area (mile <sup>2</sup> )		
Main Purposes	water supply, recreation	,
Dam Type	concrete	
Top of Dam Elevation		
(feet)	1,529	
Dam Length		
(feet)	1,060	
Dam Height	133.5 (Report 126); 96 (NID	•
(feet)	2006)	
Top Width		.*
(feet)		
	slab and buttress, Roadway	
Comments Dam General	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	

j.

		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	
Garaine Gailleann Lamath (fact)		
Service Spillway Length (feet)		
Maximum Service Spillway		
Discharge Capacity (cfs)		
Comments Service Spillway		,
Information		
Type of Gates	none	
Number of Gates  Maximum Gate Release		
<b>II</b> 1		
Capacity (cfs)	N	
Hydropower (Y/N)	IV	
No. of Hydropower Units		
Generation Capacity (mW)	alida/aluiaa)	
Type of Outlet Works  Elevation of Outlet Works	slide(sluice)	
(feet above MSL)		
Discharge Capacity of Outlet		
Works (cfs)		
Elevation of Water Supply		
Outlet (in Dam)		
Oddet (iii baili)		
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	

1 T

		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	· ol	
Water Right or Application		
Number(s)	C4211	
Permit Number(s)		
Latest Amendment	Α	
Authorized Impoundment	45,000	
Priority Date(s)	04/16/1920, 09/05/1978	INSPECTED 2006 / DAM INSPECTION/TOSG
Hazard Classification	High	

<sup>\*</sup> 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 has	ad any significant modification	ations since 1970?
Yes	☑ No	Unknown
If so, what modificat	ions were made and when	?
May we contact the o	design engineer for additio	nal information or for copies of the plans?
Yes	☐ No	Unknown
Design Engineer		
Do you have any rep can have?	resentative photographs w	hich the Texas Water Development Board
Yes	No	
Can you furnish then	ı in a digital format?	
Yes	No	
	sion to share photographs of archives with the Texas W	or design information on your dam in the ater Development Board?
Yes	No	
Thank you for your ti	ime!	

APPENDIX D

DATABASE

General	General	General	General	General	General	General	General	General	General	General	General	General	General General		Ownership	Ownership	Ownership	Ownership
Name	Name	Name	Name	Name	Name	Report 126		Construction	Construction	Construction	Construction	Construction	Construction Constructio  Modification Construction		Contact	Contact	Contact	Contact
Name	Other Name(s)	Impoundment Name	e Dam Name	Name Source	Name Comments	(Y or N)	or N)	Design Engineer	Contractor	Construction Cost	Modification Engineer	Contractor	Cost Source		Owner	Contact Person	Telephone	Fax
														1981 work included raising				
														of the dam 10 feet, widing of the emergency				
Abilene, Lake		Lake Abilene	Abilene Dam			Υ	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 Report 126	spillway, and drain work.	City of Abilene	Tommy O'Brien	325-676-6416	325-676-6458
Alan Henry Reservoir	Justiceburg Dam, Lake Alan Heni	ry (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				Υ		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
										Dam U.S.: \$28,321,000; Dam Mexico: \$22,072,000; Dam Total:								
									U.S.: Perini Corp Framingham,	\$50,393,000; Powerplants U.S.: \$6,140,000;								
									Massachusetts, Vinnell Corp Alhambra, CA, J.A. Jones Construction Co Charlotte, NC, C.H.	\$4,488,000; Powerplants Total:								
								United States: US Army Corps of Engineers and IBWC; Mexico: Ministry of Hydraulic Resources,	Leavell & Co El Paso, TX; Mexico: Cia. La Victoria Y Asociados,	U.S.: \$34,461,000; Total Mexico: \$26,560,000; Grand			NID 2006,		International Boundary & Water Comm. (United			
Amistad, International Reservoir		Amistad Reservoir	International Amistad Dam			Y		Mexico, D.F.	S.A., Mexico, D.F.	Total: \$61,021,000			Report 126		States and Mexico)		915-832-4749	830-775-5956
													NID 2006, Report 126, 1	981				
													HDR Engr Report, 1985 O&M Manual	for				
Amon G Carter, Lake		Lake Amon G. Carter	Amon G. Carter Dam			Υ	Υ	Freese and Nichols, Inc.	John A. Petty	\$320,046	HDR	Bosco and Sons	the Enlargement of Lake Amon \$5,491,000 Carter	G.	City of Bowie	James Cantwell	940-872-1114 ext. 30	940-872-5702
								Freese, Nichols, and Turner for					Volumetric					
Anahuac, Lake	Lake Charlotte	Lake Anahuac	Anahuac Dam		USGS Index of Stations shows this lake to be Lake Charlotte	Y	Y	Enlarged Project					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		Sprinkle and Sprout (2003 Dam Improvement	NID 2006		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
												Project); H.B. Zachry Company (1995 Parapet						
												Wall); Thomco Construction, Inc. (1992 Outlet						
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.	Structure Erosion Repair)	\$1,738,687 (2003 Report 126		City of Arlington	Chuck Vokes	817-459-5889	817-496-4133
Arrowhead, Lake		Lake Arrowhead	Lake Arrowhead Dam			Υ		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
								Wisenbaker, Fix, and Associates (Report 126); Velvin & Weeks	Elm Fork Construction									
Athens, Lake	Flat Creek Lake	Lake Athens	Lake Athens Dam	NID 2006		Y		(NID 2006)	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	\$3,470,200	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
,our, cono		, manus s reconst	, on mile bail	1		12	1	o consuments.		, 45,47 5,308	p. 12300 una relationa, inc.	, IIIC	\$10,000,000  Nepult 120	1	1======================================	- Lundy	12.2.400 2000	012 0100

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 General  Construction 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	Design Engineer	Construction Contractor	Construction Cost	Modification Engineer	Modification Contractor	Modification Construction Cost Source	Construction Comments	Owner	Contact Person	Telephone	Fax
									Daniel de William 0									
B A Steinhagen Lake	Dam "B"		Town Bluff Dam	NID 2006	Dam B	Y			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
	District Life Box		Balmorhea Dam	NID 2006				Department of Interior: Bureau o	L.B. Westerman	\$121,710			NID 2006, Report 126		2	Abel Baeza	915-375-2238	915-375-0338
Balmorhea, Lake	Balmorhea Lake Dam		Balmornea Dam	NID 2006		r		Reclamation	L.B. Westerman	\$121,710			Report 126		Reeves County WID No 1	Adel Baeza	915-3/5-2238	915-375-0338
									M & S Construction				NID 2006,					
Bardwell Lake			Bardwell Dam			Y		Corps of Engineers-SWF	Company	\$11,500,000			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		_ower Colorado River Authority	Mike Lowe	512-473-3200 (office), 512-470-8864 (cell)	512-473-3551
Baylor Lake	Davides Create December		Baylor Creek Dam					Dan Davis (D.T.M. Davis)					NID 2006, Report 126		City of Childress	lana Commina	940-937-2102/3684	940-937-6420
Daylor Lane	Baylor Creek Reservoir		Baylor Creek Dalli				·	Dali Davis (D. I .w. Davis)					Report 120		any or Criminess	Jerry Cumming	340-937-2102/3004	940-957-0420
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	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	N	URS/ Forrest and Cotton, Inc.	HB Zachry	\$13,875,512			NID 2006, Report 126 Co	ost was split be(	Fitus 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 General  Construction Construction		Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	Other Name(s)	Impoundment Name	Dam Name	Name Source	Name Comments		odated Since Report 126? (Y	Design Engineer	Construction Contractor	Construction Cost	Modification Engineer	Modification Contractor	Modification Construc	tion Construction	Owner	Contact Person	Telephone	Fax
						(1 of II)	or Ny		Contractor			Contractor	out Source	Comments				
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		Υ		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	
								C.C. Armstrong (NID 2006); Lockwood and Andrews (Report					NID 2006,					
Brazoria Reservoir		Brazoria Reservoir	Brazoria Dam			Y		126)	Gulf Bitulithic	\$1,500,000			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			Brown County WID No. 1	Dennis Spinks		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	Codes D	Country Club Dam	2006 NID D		Y		E.J. Foster and Terrell Bartlett	Webb County with its own equipment				NID 2006, Report 126		Webb County	Fitzgerald G. Sanchez, P.E.	1	956-523-5008
Cedar Bayou Generating Pond		Cedar Bayou Generating Sta	tic Cedar Bayou Generating Pond Levee	2006 NID Database		IN .		Ebasco Services Inc.				No. 2 - SA Construction Co.,	NID 2006		NRG Texas Power, LLC	Ted Long	713-795-6213	
												Inc. No. 4 (spillway 1962) Gibraltor Const.						
												Co. No. 5 (spillway) Markham and brown No. 6 (spillway						
Cedar Creek Reservoir Colorado	Lake Fayette	Cedar Creek Reservoir	Cedar Creek Dam			N		S J Groves				excavation) Roland	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 General  Construction Construction	General Construction	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	Other Name(s)	Impoundment Name	Dam Name	Name Source	Name Comments		pdated Since Report 126? (Y	Design Engineer	Construction Contractor	Construction Cost	Modification Engineer	Modification Contractor	Modification Construction Cost Source	Construction Comments	Owner	Contact Person	Telephone	Fax
									S.A. Construction									
Cedar Creek Reservoir Trinity			Joe B. Hogsett Dam			Υ		Freese, Nichols, Endress	Company(dam) Gibralter Construction Co (Spillway)	\$20,500,000			NID 2006, Report 126	Gilbrater Constru	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	Chaka Cannaa Baassais	Chala Casum Bassasia		2006 NID Database					U.S. Bureau of Reclamation				NID 2006		Bureau Of Reclamation - USDOI operated by Corpus			361-786-3870
Choke Canyon Reservoir	Crioxe Carryon Reservoir	Choke Canyon Reservoir	Choke Carryon Dam	2006 NID Database				Dureau of Necialitation							Onisu	Norman Kuenstler	301-700-2041	361-766-3670
Cisco, Lake	Cisco Dam		Williamson Dam	NID 2006		Y N		Elrod Engineering Company	Ford Allen Construction	\$1,500,000			NID 2006, Report 126 NID 2006,		City of Cisco/Water Department	Jim Baker		254-442-3632
Clyde, Lake			Upper Pecan Bayou WS Site 7 Dam			Y		USDA Soil Conservation Service	R. N. Adams	\$270,000			Report 126 NID 2006,		City of Clyde	Kevin Hagan	325-893-3402	325-893-5010
Coleman, Lake			Coleman Dam			Y		Forrest and Cotton Inc.	Construction Co.	\$1,227,648			Report 126		City of Coleman	Larry Weise	325-625-5114	325-625-5837
								UDO/ F					AUD Good					
Coleto Creek Reservoir		Coleto Creek Cooling Pond	Coleto Creek Dam	2006 NID Database		N		URS/ Forrest and Cotton					NID 2006			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 cos	San Jacinto River Authority	W.B. Kellum	Conroe 936-588-1111, Metro 936-447-5260	936-588-1114
												ASI-RCC						
Corpus Christi, Lake			Wesley E. Seale Dam			Y Y		Ambursen Engineering Company	H.B. Zachry Company	\$21,936,000		(stabilization); Abhe & Svoboda (gate rehab)	NID 2006, \$16402085 (stab Report 126	\$9,779,200 cost	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			,			Denison, and Buchner, and McGuier and Cavander	\$250,000			NID 2006, Report 126		City of Paris	Doug Harris	903-784-2464	903-784-4809
						,		Wisenbaker, Fix and Associates	Villbig Construction		Freese and Nichols, Inc.	F11-71	NID 2006,					903-537-4538
Cypress Springs, Lake			Franklin County Dam			Y Y		Hayter Engineering	Company	\$1,270,000	Freese and Nichols, Inc.	Earthbuilders	4,000,000 Report 126	nattening the dov	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	
								R A Thompson Winkin Co	W E Callaban				NID 2006,					
Diversion, Lake			Lake Diversion Dam			Y		R.A. Thompson, Wichita Co WID #1, Biggs and Matthews	Construction Company				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			,		Hawley, Freese and Nichols	McKenzie and Uvalde Construction Companies	\$3,637,000	Freese, Nichols, and Endress	Guy H. James Construction Co.	NID 2006, \$2,565,679 Report 126		Tarrant Regional Water District	David Marshall	817-335-2491	817-625-9112
Eagle Nest Lake	g-c modinali Lara		g- mornan sali		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		ay,		95,007,000			washing report rad		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	General	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact
Name	Other Name(s)	Impoundment Name	Dam Name	Name Source	Name Comments	In Report 126?	Updated Since Report 126?		Construction	Construction Cost	Modification Engineer	Modification	Modification	Construction	Construction	Owner	Contact Person	Telephone	Fax
						(Y or N)	or N)		Contractor			Contractor	Cost	Source	Comments				
Electra, Lake		Lake Electra	Lake Electra Dam	NID 2006		N		Freese & Nichols					N	ID 2006		City of Electra	David Simon	940-495-2146	940-495-3025
												Eagle Construction							
Ellison Creek Reservoir Fairfield Lake	Lone Star Lake Big Brown Creek Lake		Ellison Creek Dam Fairfield Dam	NID 2006 Big	Brown Creek Lake	Y	Y	Freese and Nichols, Inc. Forrest and Cotton, Inc.	Spencer Construction Company	\$2,600,000	Freese and Nichols, Inc.	and Environmental Services	\$567,041 R	ID 2006, eport 126 ID 2006, eport 126		U.S. Steel Tubular Products, Inc. Luminant Generation Company LLC dba Luminant Power	Ronnie Rouse Gary Spicer	903-656-6244 214-812-8403	903-656-7464 214-875-8333
									Joint Venture of: C.F. Lytel Co Sioux City, Iowa. Foley Bros., Inc	Dam: \$19,576,500 US; \$13,830,500 MEX; \$33,407,00 Total.									
									Saint Paul, Minn. Massman Construction Co Kansas City, Mo. Tellepden Construction	\$6,329,000 US: \$6,329,000 MEX;									
Falcon, International Reservoir			International Falcon Dam			Y		U.S. Bureau of Reclamation and International Boundary and Water Commission	CoHouston, TX.	Totals: \$25,905,500 US; \$20,159,500 MEX.				ID 2006, eport 126		International Boundary & Water Comm.	Michael P. Evans	915-832-4795	956-848-5426
Lake Nocona	Farmers Creek Reservoir		Lake Nocona Dam		inally Farmers Creek Reservoir/Dam			Freese & Nichols	Gilvin & Terrill, Inc.	toor oor	Freese and Nichols, Inc.	OAD David Law	\$107,250 R	ID 2006,		North Montague Co WSD	Revell Hardison	940-825-3282	940-825-6240
Forest Grove Reservoir	Parmers Creek Reservoir	Forest Grove Reservoir		July	inally Farmers Creek Reservoli/Dam	N		Freese & Nichols	Central Plains Contracting Co.	\$6,835,810	Freese and Nicrois, Inc.	Gar Fallick, Inc.		ID 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			N	ID 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				ID 2006, eport 126		City of Abiliene	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				ID 2006, eport 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Gibbons Creek Reservoir Gilmer, Lake	Kelsey Creek Dam	Gibbons Creek Reservoir  Lake Gilmer	Gibbons Creek Dam  Lake Gilmer Dam	NID 2006 NID 2006		N N	N	Freese & Nichols Inc  NRS Consulting Engineers, Inc.  Texarkana	H. B. Zachry Company	\$9,962,961				ID 2006 ID 2006		Texas Municipal Power Agency City of Gilmer	Gary Parsons  Danny Lancaster	936-873-1100 903-843-8209	936-873-1183 903-843-8208
								Fargo Engineering Company (Report 126), Forrest and Cottor					N	ID 2006,					
Gonzales (H-4), Lake	Lake Gonzales Dam		H-4 Dam	NID 2006		Y		Inc. (NID 2006)	Sumner and Sollet				R	eport 126		Guadalupe-Blanco River Authority	Tommy Hill	830-379-5822	830-379-1766
Graham, Lake			Eddleman Dam	Volumetric Survey of Lak	e 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 R	ID 2006, eport 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				ID 2006, eport 126		Brazos River Authority	Phil Ford	254-761-3100	254-761-3205
												ID A discussion	NI	ID 2006,		0		047 000 4500	247 000 0470
Granger Lake	Laneport Lake		Laneport Dam			Y		U.S. Army Corps of Engineers	T.L. James, Inc., and	\$52,300,000		JD Adams \$	\$ 18,682,343 R			Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Grapevine Lake			Grapevine Dam			Y		U.S. Army Corps of Engineers	Gullian Brothers, Ruston	\$11,753,000			Ni Ri	ID 2006, eport 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				ID 2006, eport 126	Report 126 states	Greenbelt MIWA	Bobbie Kidd	806-874-3650	806-874-3223
Galveston County Reservoir	Texas City Reservoir, Gulf Coast	t W. Galveston County Water Res	e Galveston County Water Reservoir D	a 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					Ni Re	ID 2006, eport 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			NI Re	ID 2006, eport 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		Υ	N	Llyod Engineers and Freese, Nichols and Endress.	Spencer Construction Company	\$500,000			NI Re	ID 2006, eport 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 General  Construction Construction	General	Ownership Contact	Ownership  Contact	Ownership Contact	Ownership Contact
Name	Other Name(s)	Impoundment Name	Dam Name	Name Source	Name Comments	In Report 126?	Updated Since Report 126? (1	Y Design Engineer	Construction	Construction Cost	Modification Engineer	Modification	Modification Construction	Construction	Owner	Contact Person	Telephone	Fax
		•				(Y or N)	or N)		Contractor			Contractor	Cost Source	Comments				
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	NID 2006, \$2,700,000 Report 126		City of Houston operated by Coastal Water Authority	Jerry Berry	713-658-9020	713-658-9429
												Robert L. Carroll (1989 Riprap Repair); Robert L.						
Hubbard Creek Reservoir			Hubbard Creek Dam			Y	Y	Freese, Nichols and Endress		\$3,589,497	Freese and Nichols, Inc.	Carroll (1993 Spillway Repairs)	NID 2006, \$368,121 (1989 FReport 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 NID 2006		Y		Freese, Nichols and Endress	Longview Construction Company	\$820,760	HDR		NID 2006, Report 126		City of Gainesville Pecos Co WID 2	Ron Sellman Jonnie Sherwood		940-668-4536 915-536-2292
impenal Reservoir				NID 2006		IN .		Fargo Engineering Company,	Morrison-Knudsen Company for the dam, LCRA for the power				NID 2006,					
Inks Lake			Roy Inks Dam			Y	Y	LCRA	features.	\$2,079,738	Freese and Nichols, Inc.		Report 126 NID 2006,		_ower Colorado River Authority	Mark Jordan	512-473-3200	512-473-3551
J B Thomas, Lake  Jacksonville, Lake	Lake J.B Thomas Dam  Gum Creek Dam		Colorado River Dam  Buckner Dam	NID 2006 NID 2006		Y	N	Freese, Nichols and Endress  Wisenbaker Fix and Associates		\$1,452,877 \$675,000			Report 126 NID 2006, Report 126		Colorado River Municipal Water District  City of Jacksonville	John Grant Will Cole		915-267-3121
Jacksonville, Lake	Guill Cleak Dalli		Bucknet Dam	NID 2006				Wiselibaker Pix and Associates	menenee Bromers	\$675,000			Report 120		only of Jacksonville	yviii Cole	903-369-3310	303-300-4003
Jim Chapman Lake	Cooper Lake		Cooper Dam			Υ		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
les Beell else	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
Joe Pool Lake	Lakeview Daili	Joe Pool Lake	Jue Pour Lake Dain	NID 2006	Lakeview Dailli	IN .		Corps of Engineers - SWI					NID 2000		SOLDS OF ENGINEERS STATE	Paur Kouman	017-000-1330	017-000-0472
													NID 2006,					
Johnson Creek Reservoir	Wilkes Lake		Johnson Creek Dam		cooling for Wilkes power plant	Y		Freese, Nichols and Endress  Robert A. Thompson, Tulsa	Douglas A. Lott	\$354,604		Amis Construction	Report 126		AEP-Southwestern Electric Power Company	Greg Carter	903-746-4585	
Kemp, Lake			Lake Kemp Dam			Y		Corps of Engineers	Miles Construction		Engineers- Tulsa District	Company	\$8,000,000 Report 126 L	ake Diversion D	Wichita CWID #2 & City of Wichita Falls	Kyle Miller		940-767-6722
Kickapoo, Lake			Lake Kickapoo Dam			Y		F.M. Rugeley and A.J. Gates	Company	\$3,500,000			Report 126		City of Wichita Falls	Daniel Nix	940-761-7477	940-761-6873
Kirby, Lake			Kirby Dam			Υ		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		Υ		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			_		U.S. Army Corps of Engineers - SWF	J.W. Moorman & Son,	\$12.500.000	U.S. Army Corps of Engineers- SWF	H.B. Zachary & Company,	NID 2006, \$53,900,000 Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
LAVOIT LANG			Lavon Dani						McCorstin Consturction	\$12,500,000	Eliginoois ovii	Company,			Supple Control Control	r du recuriari	577-050-1550	517-030-0472
Leon, Lake	Lake Leon Dam		Leon Dam	NID 2006		Y		Freese, Nichols and Endress; Jacob and Martin	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 c	osts include pipe	Entergy	Manuel Montalvo	936-856-0623 (office); 936-520-9010 (cell)	936-856-0644
									Edward Morgan									
Lewisville Lake	Garza Little-Elm Dam		Lewisville Dam			Υ	Υ	U.S. Army Corps of Engineers- SWF	Company and Jones &	\$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
			_					Brown and Root Inc.; Forrest	Markham and Brown Company and Whittle				NID 2006,					
Livingston, Lake  Loma Alta Lake	Res. 1A, 1B,2, &3 (2 & 3 have not	t None	Livingston Dam  Loma Alta Dam		Rachel A. Ickert: Not in NID 2006, but in Previous Report 126	Y	Y	and Cotton for construction.  Siglar, Clark and Winston.	Construction Company	\$16,286,132			Report 126 Report 126		Trinity River Authority  Brownsville Navigation District	Robert R. Stevens  Eduardo A. Campirano		936-295-9116 956-831-5006
Lost Creek Reservoir		Lost Creek Reservoir	Lost Creek Dam	NID 2006		N	<sub>Y</sub>	HDR Engineering			<u> </u>		NID 2006		City of Jacksboro	Thomas Rhoades	940-567-6321	

General Name	General Name	General Name	General Name	General Name	General Name	General General Report 126 Report 126	General Construction	General Construction	General Construction	General General  Construction Construction	General General General  Construction Construction 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? (or N)	Y Design Engineer	Construction Contractor	Construction Cost	Modification Engineer Modification Contractor	Modification Construction Construction Cost Source Comments	Owner	Contact Person	Telephone	Fax
Lyndon B Johnson, Lake			Alvin Wirtz Dam			у у	Fargo Engineering Company; Lan Christenson Company (MOD)	Brown and Root Inc.	\$9,725,934	Freese and Nichols, Inc. Barnard	\$ 7,737,750 Report 126	Lower Colorado River Authority	Mike Lowe	512-473-3200 (office), 512-470-8864 (cell)	512-473-3551
Mackenzie Reservoir Manor Lake			Mackenzie Dam Lake Manor Dam	Lake Manr Dam Pha	ise I Inspection Report	Y N	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
Martie Falte, Later			Max Starcke Dam			Υ Υ	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 NID 2006,	Luminant Generation Company LLC dba Luminant Power	Gary Spicer	214-875-8299	214-875-8333
Medina Lake			Medina Dam			Υ	Bartlettand Ranney, San Antoni		\$2,739,300		Report 126 This project incl	Rexar-Medina-Atascosa Counties WCID #1	Ed Berger	830-665-2132	830-663-3519
Mendith, Lake  Millers Creek Reservoir			Sanford Dam  Millers Creek Dam			Y N	U.S. Bureau of Reclamation  Freese, Nichols and Endress		\$17,868,160 \$1,204,960		NID 2006, Report 126 NID 2006, Report 126	US Bureau of Reclamation  North Cent Tex MWA Et Al			806-865-3314
	Lake Mineral Wells Dam		Mineral Wells Dam	NID 2006		Y Y	McClendon Engineering Company	T.L. James and		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		Company	\$4,094,315		NID 2006	Colorado River Municipal Water District	John Grant	915-267-6341	915-267-3121
Monticello Reservoir			Monticello Dam			У	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 Markham and Brown	\$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	Company; McMullin and Lavon	\$1,600,000		NID 2006, Report 126	Panola County Fresh Water SD #1	Wade Kirk	903-693-6562	same as phone so call first to inform
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	936-559-2589
Nasworthy, Lake			Nasworthy Dam			Y N	Floyd and Lockridge, Dallas, Texas	Callahan Construction Company	\$376,600		NID 2006, Report 126 new gates in 20	City of San Angelo	W.H. Wilde	325-657-4209	325-655-4397
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	817-896-1538	817-896-6472
New Terrell City Lake	Cedar Creek WS SCS Site 87A D	an	New Terrell City Lake	NID 2006		Y	Joe E. Ward	John A. Petty	\$169,900	USDA-SCS James Payne	NID 2006, 54,140 Report 126 Dam raised and	City of Terrell	Sonny Groessel	972-551-6609	972-551-6682
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	940-592-4793
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	214-875-8333
O C Fisher Lake	San Angelo Reservoir, San Angel	51	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	817-886-6472

General Name	General Name	General Name	General Name	General Name	General Name	General   General     Report 126   Report	General Construction	General Construction	General Construction		General	General General  Construction 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	Design Engineer	Construction Contractor	Construction Cost		odification ontractor	Modification Construction Cost 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			,	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		,	,	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
										W- 0	A. Smith						
Palestine, Lake			Blackburn Crossing Dam				Forrest and Cotton Inc. Jones and Boyd Inc.		\$1,950,000		ruction Co.,	\$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
	Lake Palo Pinto Dam		Palo Pinto Creek Dam	NID 2006	,	(		Longview Construction Company	\$594,400			NID 2006, Report 126 NID 2006,		Palo Pinto County MWD No. 1			940-325-5906
Pat Cleburne, Lake			Cleburne Dam			Y N	Hunter Associates	Moorman and Singleton	\$1,316,600			Report 126		City of Cleburne	Bill Pannell	816-645-0957/641-3321	817-645-0926
Pat Mayse Lake			Pat Mayse Dam				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 Pinkston Reservoir	Sandy Creek Reservoir	Peacock Site 1A Tailing Res	ser Peacock Site 1A Tailings Reservoir D	NID 2006		N N		Central Plains Contracting Co.				NID 2006 NID 2006		U.S. Steel Tubular Products, Inc. City of Center			903-656-7464 936-598-2615
								C.F. Lytle and A.L.		Inc	t - ASI-RCC b						
Possum Kingdom Lake			Morris Sheppard Dam		,	Y Y	U.S . Army Corps of Engineers -	Johnson	\$7,000,000	Freese and Nichols, Inc. Martin	K Eby \$	\$3,515,383 Report 126 NID 2006.		Brazos River Authority	Phil Ford	254-761-3100	254-761-3205
Proctor Lake			Proctor Dam		,	·	SWF	Inc. , Rosswell, NM.	\$5,752,110			Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
								S. & A. Construction									
Ray Hubbard, Lake	Forney Dam		Rockwall-Forney Dam		Also called Forney Dam	r N	Forrest and Cotton, Inc. Jones	company; Markham,	\$26,100,000	Forrest and Cotton		NID 2006, Report 126	Downstream bern	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
												NID 2006,					
Red Bluff Reservoir  Red Draw Reservoir	Red Bluff Water power Control Dis	str Red Draw Lake	Red Bluff Dam	NID 2006				S.J. Groves and Sons  Price Construction Inc.	\$2,600,000 \$1,597,948			Report 126  NID 2006		Red Bluff Water Power District  Colorado River Municipal Water District			915-445-2740
IXOU DIAW IXOSOIVUII		Ned Diaw Lake	Red Draw Dam	1000		,	Trease and reasons, inc.	THE CONSTRUCTION	\$1,557,540			140 2000		COORDINATION THAT DOWN	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		,	r 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	U.S . Army Corps of Engineers - SWF	Paul Hardeman Inc. Stanton, California	\$63,290,000			NID 2006, Report 126	Marketing Agency	Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
								_				NID 2006,					
Santa Rosa Lake Smithers Lake	Lake George		Santa Rosa Dam Smithers Lake Dam	NID 2006	,	Y Y	Hawley and Freese; E.C. Will  Ebasco Services, Inc.	W.T. Waggoner Estate  Ebasco Services, Inc.	\$88,338	Biggs and Matthews		Report 126 NID 2006, Report 126		W. T. Waggoner Estate  NRG Texas Power, LLC		940-552-2521 713-795-6213	940-552-2523

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 General  Construction 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)	dated Since Report 126? ( or N)	Y Design Engineer	Construction Contractor	Construction Cost	Modification Engineer	Modification Contractor	Modification Construction Cost Source	Construction Comments	Owner	Contact Person	Telephone	Fax
									Clement Bros. Co., Inc.				NID 2006,					
Somerville Lake			Somerville Dam			Y		U.S. Army Corps of Engineers Forrest and Cotton; Brown and	Hickory, N.C.	\$21,700,000			Report 126		Corps of Engineers-SWF			817-886-6472
South Texas Project Reservoir	MCR Dam	Main Cooling Reservoir	STP Main Cooling Reservoir Dam	NID 2006		N		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	Gary Spicer	214-875-8299	214-875-8333
equal ofcer receives		oquali orcek resolven	oquan order built					Treese, Norios and Endess					1115 2500			Cary Opaces	214 070 0250	214 678 6666
								For any of Michigan	L. & S. Contractor				NID 2006,		City of Stamford			
Stamford, Lake			Stamford Dam			Y		Freese and Nichols	L. & S. Contractor	\$289,365			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 Rese		NID 2006		N		Freese and Nichols, Inc.	Central Plains				NID 2006		Colorado River Municipal Water District	John Grant		915-267-3121
									Elm Fork Construction				NID 2006,					
Sulphur Springs, Lake	Lake Sulphur Springs Dam		White Oak Creek Dam	NID 2006		Y		Freese, Nichols and Endress	Company	\$1,687,988			Report 126		City of Sulphur Springs	Robert Lee	903-439-2891	903-885-0306
									Womack Henning				NID 2006,					
Sweetwater, Lake	Lake Sweetwater Dam		Sweetwater Dam	NID 2006		Y		Hawley & Freese	Construction Company	\$346,000			Report 126		City of Sweetwater	Mickey Rogers	915-236-6952	
									Moorman, Dewitt and Singleton and Whittle Contracting Company (A				NID 2006,					
Tawakoni, Lake			Iron Bridge Dam			Y N		Forrest and Cotton	Joint Venture)	\$4,301,200			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			,		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			Randy Harlow/Basheer Mohammed/Bobby Gose	\$12-499-2000/512-505-7801/512-505-7803	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	,		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
								Electric Bond and Share	Texas Construction						Luminant Generation Company LLC dba Luminant			
Trinidad Lake	Texas Powr and Light Co Dam		Trinidad Levee	NID 2006		Y		Compant	Company		<u> </u>		Report 126		Power	Gary Spicer	214-875-8299	214-875-8333
									H.B. Zachry (Report				NID 2006,					
Twin Buttes Reservoir			Twin Buttes Dam			Y		Bureau of Reclamation	126)	20,687,000 (Report 126	s)11836426 (bid Tab)		Report 126		Bureau of Reclamation - USDOI  Luminant Generation Company LLC dba Luminant	W.H. Wilde		325-655-4397
Twin Oak Reservoir		Twin Oak Reservoir	Twin Oak Dam			N		USR, Forest and Cotton Inc.	Caruth Construction				NID 2006 NID 2006,		Power			214-875-8333
Tyler, Lake			Whitehouse Dam	Report 126	lake was combined with Lake Tyler East May 29, 1968	Y		Forrest and Cotton (	Company	\$1,195,797			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 NID 2006,		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

Column   C	General	General	General	General	General	General	General	General	General	General	General General	Gener		General	General	Ownership -	Ownership	Ownership	Ownership
	Name	Name	Name	Name	Name	Name	Report 126	Report 126	Construction	Construction		Maditia				Contact	Contact	Contact	Contact
	Name	Other Name(s)	Impoundment Name	Dam Name	Name Source	Name Comments			Design Engineer		Construction Cost Modification Engi					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	
										Farthwork: Clamont									
Companies   Comp	Waco Lake			Waco Dam			Y	Y	U.S. Army Corps of Engineers	Bros, Hickory, North Carolina; Spillway: Elmer	U.S. Army Corps of \$5 378 445 Engineers	R.G. LaTou	ırneau,	NID 2006, Report 126	Difficulty was en	c Corps of Engineers-SWE	Paul Rodman	817-886-1538	817-886-6472
							Y		Brown and Root	Amis Construction		1110.		NID 2006,	Dimodity was cri				
Part   Part																-			
March   Marc	.Waxahachie, Lake			South Prong Dam			Y	Υ	Forrest and Cotton, Inc.	J.W. Moorman and Son	Freese and Nichols, I	(1994 Dam		NID 2006, 1 Report 126		Ellis County Water Control & Improvement Dist	ict #1 David Bailey, Director of Utilities	972-937-7330 ext. 121	972-923-1058
March   Marc																			
	Weatherford Lake	Clear Fork Dam		Weatherford Dam	also know	n as Clear Fork Dam	Y	Y	Associates (Report 126); Rolan	d Weatherford Cage	\$413.790 HDR			NID 2006, Report 126		City of Weatherford	Sharon Haves	817-598-4270	817-598-4012
Second Second																			
Second Second																			
Second Second										List and Clark									
The field   The control   Th	Welsh Reservoir		Swauano Creek Reservoir	Swauano Creek Dam	cooling for	Welsh power plant	N		Freese, Nichols and Endress	Construction Company	\$2,428,460			NID 2006		AEP-Southwestern Electric Power Company	Greg Carter	903-746-4585	
Victor Labe   Victor   Victo	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
Victor Labe   Victor   Victo																			
Victor Labe   Victor   Victo																			
Marco   Marc																			
Marco   Marc																			
Marco   Marc																			
Marco   Marc																			
Marco   Marc																			
Marco   Marc	White Rock Lake			White Rock Dam			Y	Y	Forrest and Cotton, Inc					Report 126		Dallas Parks & Recreation	Paul Dver	214-670-4071	214-670-4084
Wideling   Labe   Wideling							-												
Wideling   Labe   Wideling																			
Windows   Lake Windows Dam   Lake Windows Dam   Lake Cheek Reservoir   Elem Create Dam   NID 2006	Whitney, Lake			Whitney Dam			Y		U.S. Army Corps of Engineers SWF	L.P. Reed Inc.	\$41,795,000			Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
The Underground Construction Company (Nov. 1914 No. 1913); (Nov. 1914 No. 1913); (Nov. 1914 No. 1913); (Nov. 1914 No. 1913); (Nov. 1914 No. 1913); (No. 1914 No. 1914); (No. 1914 No. 1914); (No. 1914 No. 1914); (No. 1914	Wichita, Lake			Lake Wichita Dam			Y		Montgomery and Ward		\$350,000					City of Wichita Falls	Daniel Nix	940-761-7477	940-761-6873
Contact   Cont	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
Contact   Cont										The Underground									
Edward Peterson Company, Folder Between Lake Texarkana Dam										(Nov. 1911-Apr. 1913); City of Fort Worth (Apr.		Excavating							
Corps of Engineers-New Orleand Inc., and Talepsean Use Texarkana Dam S17-886-1538 S17-886-6472 S17-884 S17-886-1538 S17-886-6472 S17-884 S17-886-1538 S17-886-153	worth, Lake			Lake Worth Dam			Y	Y	Jonn B. Hawley	Edward Peterson		inc. (parapet wa	\$523,89	Keport 126	cost does not in	Ury or Fort Worth	Paul Bounds	817-392-8567	1817-237-0759
Tyler, Lake Mud Creek Dam Report 126 lake was formerly called Lake Tyler Fast, combined with Lake Tyler on May 29, IY Wisenbaker, Fix, and associates Company \$1,951,033 Report 126 Oily of Tyler Mitch Marable 903-939-1538 903-531-1259	Wright Patman Lake	Lake Texarkana		Texarkana Dam			Y		Corps of Engineers-New Orlean District	s Inc., and Tellepsen				Report 126		Corps of Engineers-SWF	Paul Rodman	817-886-1538	817-886-6472
Freese and Nichols, Inc. Weldon C. Jourdan \$486,490 Originally 2 separCity of Graham Larry M. Fields 940-549-3324 940-549-5330	Tyler, Lake			Mud Creek Dam	Report 126 lake was f	ormerly called Lake Tyler East, combined with Lake Tyler of	on May 29, Y		Wisenbaker, Fix, and associate	Vilbig Construction s Company	\$1,951,033			Report 126		City of Tyler	Mitch Marable	903-939-1538	903-531-1259
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																			
	Graham, Lake			Graham Dam	Volumetric Survey of Lake Eddl	eman became a part of Lake Graham in 1959	Y		Freese and Nichols, Inc.	Weldon C. Jourdan	\$486,490				Originally 2 sepa	r 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 say remission to blase info with TWDB does not say remission to blase info with TWDB did not respond to survey.

General Name	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact	Reservoir Original	Reservoir Original	Reservoir	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey
Name	Email	Address	Contact	Contact Comments	Elevation of TOC (feet)	Dead Pool Elevation (feet)	Datum	Original Conservation Pool Total Volume (acre-feet)	Original Surface	Original Dead Pool Volume	Year Construction Started	Year of Completion	Year Impoundment Began	t Source Original		.ast Survey Conservation Pool Tota				Date of Last Survey		Source Last Survey	
Abilene, Lake	Tommy,OBrien@Abilenetx.com	P. O. Box 60 Abilene, TX 79604-0060	FNI files		2012.3	(lety)	U.S. Coast and	7,900		(acre-feet)	1919		-		Capacity and area at elevation 2012.3	7,90			595	n/a			
	4-15-8-111-1	P. O. Box 2000			2000			445 007			4004	4004	400	1,41,		94,80	94,808		0.744	7/1/2005 TV	A/DD	Volumetric Survey of	
Alan Henry Reservoir  Alcoa Lake	wfranklin@mylubbook.us	Lubbook, TX 79457  Alcoa Inc., P.O. Box 472 Rockdale, TX 76567		originally owned by BRA	2220		msl	115,937			1991 Feb. 17, 1952	1994 October 1952		Volumetric Survey 2005	Gates installed Jan. 1953, Water purn				2,741	7/1/2005 TV	WDB	Lake Alan Henry: 2005	
		HCR #3, Box 37, HWY. 90 West Del Rio, TX																					
Amistad, International Reservoir	kenbreiten@ibwc.state.gov	78840			1117	930	0	3,505,400	64,900	8000	December 1964	Nov. 21, 1969	May 31, 1968	8 Report 126	Max design flood stage: el 1145.12, cl	3,151,26	7 3,151,267		0 64,900	1969 IB		Report 126	
Amon G Carter, Lake	jcantwell @ cityofbowietx.com	304 Lindsey St. Bowle, TX 76230			920			20,050	1,540		July 11, 1955	August 1956  August 1914;	May 1956	Report 126		28,58	9	14	8 1,848		ata is for dam after alargement		
Anahuac, Lake	marybeth@clcnd.com	P.O. Box 518, 207 Miller St. Anahuac, TX 7751	4 owner		4		msl	35,300	5,300		started March 17, E	Enlarged Project July , 1954	1914	Volumetric Survey 4 2006, Report 126		33,34	8 33,348	n/a	5,035	4/6/2006 TV	WDB	Volumetric Survey of Lake Anuhuac	Planning: zero
Aquilla Lake	paul.k.rodman@usace.army.mil	Attr: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	, owner		537.5	503	3 msl	52,400	3,280	227	1976	1983	1983	3 Volumetric Survey of Aqu	at top of flood control storage (elev 55	45,31	9 45,092		7 3,020	4/2/2002 TV	WDB	Volumetric Survey	
Arlington, Lake	Chuck.Vokes@arlingtonbr.gov	1901 Lakewood Dr. Arlington, TX 76013			550		msl	45,710	2,275		May 15, 1956	July 19, 1957	March 31, 1957	7 Report 126		38,78	5 38,740	4	5 1,939	8/1/1994 TV	WDB	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	7 Report 126	Design flood stage elevation 939.55, (	235,99	77 235,997		14,969	6/21/2001 TV	WDB	Volumetric Survey of Lake Arrowhead, 2002	
Athens, Lake	no email	508 East Tyler Athens, TX 75751			440			32,790	1,520		September 25, 1961  Original Dam: November 5, 1890;	May 1963	November 1, 1962	2 Report 126	Emergency spillway el 446, capacity 4	29,47	5 29,440	4	1,799	1/20&21/1998 TV	WDB	Volumetric Survey of Lake Athens, 2003	
Austin, Lake		P.O. Box 1088 Austin, TX 78767			492.8			21,000	1,830		Present Dam: July 5, 1938	1939	1939	Report 126	Invert to penstock el 462 +/-; Power u	21,72	21,725	n/a	1,599	Mar-99 TV	WDB	Volumetric Survey of Lake Austin, 2001	

General Name	Ownership Contact	Ownership Contact	Ownership	Ownership Contact	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey
Name	Email	Address	Contact Source	Contact Comments	Elevation of TOC (feet)	Dead Pool Elevation (feet)	Datum	Original Conservation	Original Surface Area at TOC (acre)	Original Dead	Year Construction Started	Year of Completion	Year Impoundment Began	Source Original		Last Survey Conservation Pool Tol				Date of Last Survey	Last Survey Performed by	Source Last Survey	
										(acre-reet)													
B A Steinhagen Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth TX 76102-0300	n, owner		83 (normal pool ur			94,200	13,700	)	March 1947	1951	1 April 16, 1951	Report 126	Max design water surface el 93, capa	66,9	72 66,966		6 10,687	6/1/200	3 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	5 1985	NID 2006	qlu: 1668 when fullPlanning: Moonen:	6,8	50 6,850	n/a	500	n/	a		
																					U.S. Bureau of		
Balmorhea, Lake	rcwid1@pecos.net	P.O. Box 185 Balmorhea, TX 79718			3187			7,707	573	3	1916	1917	7 1917	Report 126	Operating Level (1948): el 3187, capa	6,3	50 6,350	n/a	573	1948	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	46,4	72 46,122	350	0 3,138	2/1/199	9 TWDB	Volumetric Survey of Bardwell Lake, 1999	
Bastrop, Lake	mike.lowe@lcra.org	P.O. Box 220 Austin, TX 78767			450			16,590	906	5	May 1963	April 1964	4 April 1964	Report 126	El. 450 is top of tainter gates	16,5	90 16,590	n/a	906	n/	a		Planning: no los
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		9,2	9,220	n/a	610	n/	a		
Bellon Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth TX 76102-0300			594			457,600	12 200		luhr 1949	December 15, 1956	4 March 9 1954	Papart 126	May design water surface at 656 0, co	435,2	25 435,225		0 12,135	E/1/200	3 TWDB	Volumetric Survey of Belton Lake, 2005	
Belton Lake	- Journal Pg Godec di IIIy. I I III		owner		594			457,800	12,300		July 1349	Seconide 15, 1954	4 March 8, 1954	Sepon 120	Max design water surface el 656.9, ca	435,2	455,225		- 12,139	5/1/200		2003	
Benbrook Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth TX 76102-0300	n, owner		694			88,250	3,770	)	1949	December 1950	D September 29, 1952	Report 126	Max design water surface el 741, capi	85,6	48 85,648		0 3,635	Jan-9	8 TWDB	Volumetric Survey of Benbrook Lake, 2003	
	10	DO DO STORY DE LA CONTRACTOR DE LA CONTR						_	_					D							TWD	Volumetric Survey of Lake Bob Sandlin,	
Bob Sandlin, Lake	tspruill@countrynet.net	P.O. Box 650 Mt. Pleasant, TX 75456-0650			337.5	294.5		213,350	9,460	3303	1974	1978	5	Report 126	Max water (test flood) el 345.6, capac	204,6	78 200,579	4,09	9 9,004	Feb-9	8 TWDB	2003	

General Name	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir 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 Impoundmen Began	Source Original Information	Comments Original Information	ast Survey Conservation Pool Tot Volume (acre-feet)	al Last Survey Conservation Poo 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 196	59 Report 126	Qingguang Lu: March 2004 survey	11,03	38 11,02	5. 1	2 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, 196	3 Report 126	Crest of emergency spillway el 1762.4	30,43	30 29,111	1,32	2,020	n/a			
Brandy Branch Cooling Pond	wgcarter@aep.com	2400 FM 3251 Hallsville, TX 75650			340			29,513	1,242		1981	1983	198:	3		29,51	13 29,51:	3 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 195	4 Report 126	This is part of a system of reservoirs a	21,97	70 21,97	D 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, 193	2 Report 126	Planning: initial storage is 290000, aft	366,23	366,23	6	0 11,954	4/4/2000 - 4/17/2000	TWDB	Volumetric Survey of Lake Bridgeport, 2001	
																						Volumetric Survey of	
Brownwood, Lake Bryan Utilities Lake	dspinks@bcwid.org	P.O. Box 118 Brownwood, TX 76804  P.O. Box 1000 Bryan, TX 77805			1425 355.5			149,925 15,227	l		1930	1933 1974		3 Report 126 Report 126	Spillway Crest (1959): elevation 1424.	131,42 15,22	1		0 7,298	4/21/1997 - 4/24/1997 n/a	TWDB	Lake Brownwood, 1997	
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, 193	87 Report 126	JJR: Sill of 15-ft gates: elevation 1005	875,56	56 875,56i	6 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	4 Report 126	JJR: The original Caddo Dam was cor	129,00	59,80	0 69,20	26,800	n/a			
			F	Planning: Comfirmed by Rick Thiesen 210-353-4720																			
Calaveras Lake  Canyon Lake	paul.k.rodman@usace.army.mil	P.O. Box 1771 San Antonio, TX 78296  Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth TX 76102-0300		Iniesen 210-353-4720	485 909			62,800 386,200			September, 1 1967 June 27, 1958	1969 1964			JJR: Spillway Crest: elevation 460, ca  JJR: Maximum Design Water Surface	63,20 378,85			3,450	n/a 11/1/2000	TWDB	Volumetric Survey of Canyon Lake, 2001	Planning: estim
	fgsanchez@webbcountytx.gov	1110 Washington St., Suite 303 Laredo, TX 78	8042		446.5			20,000			1948	1951	194	9 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	13,75	50 13,75	D n/a	2,750	n/a			Planning: zero
Cedar Creek Reservoir Colorado	mike.lowe @lcra.org	P.O. Box 220 Austin, TX 78767			300			71,400	2,400			1977		NID 2006		71,40	00 71,40	n/a	2,400	2/8/1995 - 3/9/1995	TWDB	Volumetric Survey of Cedar Creek Reservoir, 2003	
					. 5501			, 71,400				.511				71,90	71,40		2,400			,, 2000	

General Name	Ownership Contact	Ownership Contact	Ownership	Ownership	Reservoir Original	Reservoir	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir	Reservoir Original	Reservoir	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey		Reservoir Last Survey
Name	Email	Address	Contact	Contact Comments	Elevation	Dead Pool Elevation	Datum	Original Conservation	Original Surface	Original Dead	Year Construction	Year of	Year Impoundment	t Source Original		Last Survey Conservation Pool To	otal Last Survey Conservation Po	ool Last Survey Dead Poo	I Last Survey Area at	Date of	Last Survey	Source Last Survey Co	Comments
			Source		of TOC (feet)	(feet)		Pool Total Volume (acre-feet)	Area at TOC (acre)	(acre-feet)	Started	Completion	Began	Information		Volume (acre-feet)	Capacity (acre-feet)	Volume (acre-feet)	TOC (acres)	Last Survey	Performed by	La	ast Survey
Cedar Creek Reservoir Trinity	dmarshall@trwd.com	800 E. Northside Drive Fort Worth, TX 76102			322			679,200	33,750		April 1, 1961	196	6 July 2, 1965	5 Report 126	JJR: Top of tainter gates: elevation 32	640,	415 637,82	22	99 32,873	7/1/2005			
Champion Creek Reservoir	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX			2083	2020		42,500	1.500	990	May 5, 1958	195	9 February, 1959	9 Papart 126	LIP- Maximum Darian Flood Strage a	42.	500 41,61	10	82 1.560	n/a			
Champion Creek Reservoir	gary.spicer@iuminani.com	75201			2063	2020	,	42,300	1,560	880	May 5, 1956	195	9 February, 1955	9 Report 126	JJR: Maximum Design Flood Stage: e	442,1	900 41,01	10	02 1,500	IVa		Volumetric and	
Cherokee, Lake	antcramar@aol.com	NK20 Lake Cherokee Longview, TX 75603			280			45,016	3,987		February 26, 1948	194	8 October 1, 1948	8 NID 2006, Report 126	JJR:Top of design flood pool: elevatio	43,	737 39,02	23 4,7	14 3,467	11/10/2003 - 11/13/2003	TWDB	Sediment Survey of Lake Cherokee, 2004 Dam Owner,	
Choke Canyon Reservoir	normk@ci corous-christi tx us	P.O. Box 1043 Three Rivers, TX 78071			220.5	127.0-136.4		691,130	25,989	54		198	2	NID 2006		695,	271 695,26	62	9 25,989	3/1/1993	TWDB	Volumetric Survey of Choke Canyon Reservoir 2003	
Cisco, Lake	ciscomanager@sbcglobal.net	P.O. Box 110 Cisco, TX 76437	Owner 254-4	nning: Randy Johnson's phone -442-2671.	1520			26,000	1,050		1920	192	3 1925	Report 126	JJR: (based on contours by the Henry	8,1	8,80	00 n/a	1,050	n/a		Pla	lanning: This i
Clyde, Lake	publicdirect@valornet.com	P.O. Box 1155 Clyde, TX 79510			1872			5,748	3 449		June 6, 1969	197	0 1970	Report 126	JJR: 5000 ac-ft for temporary detentio	5,	748 5,74	48 n/a	449	n/a			
Coleman, Lake	citymgr@web-access.net	PO Box 582 Coleman, TX 76834	spoke he pri	ke with Larry Weise 7/2/2008, provided updated info	1717.5			40,000	2,000		August 1, 1965	196	6 April, 1966	Report 126	JJR: Emergency Spillway: elevation 1	38,	094 38,09	94 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			00			31,040	3,100			100	0	NID 2006		31,	040 31,04	40 n/a	3,100	n/a			
Outle Greek Neder Voll	minus guap.com				30			0,,50	5,100			100		140 2000		31,	0.,04	10	0,100	100			
Colorado City, Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201			2070.2			31,805	5 1,612		1948	194	9 April, 1949	Report 126	JJR: Crest of Service Spillway: elevati	31,	805 31,48	85 3	20 1,612				
Conroe, Lake	b.kellum@sjra.net	P.O. Box 329 Conroe, TX 77305	owne	ort 126 indicates partial ership by the City of Houston and TWDB 20.18%	201			430,260	20,985		February 9, 1970	197	3 January, 1973	3 Report 126	JJR: Top of dam: elevation 212.0, cap	416,	228 416,18	88	40 20,118	Mar-Apr 1996	TWDB	Volumetric Survey of Lake Conroe, 2003	
																						Volumetric Survey of Lake Corpus Christi	
Corpus Christi, Lake	louh@cctexas.com	P.O. Box 98 Sandia, TX 78383-0098	FNI files		94			290,917	19,860		November 19, 1955	195	8 April 26, 1958	Report 126	JJR: Top of North Spillway gates: elev	257,	463 256,96	61 2	99 18,256	Dec 2001-Jan 2002	TWDB	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	195	.2 June, 1952	2 Report 126	JJR: First Generating Unit began oper	8,-	400 8,40	00 n/a	550	n/a		Pla	lanning: Cooli
																						Volumetric Survey of	
Crook, Lake	s_napier@ci.paris.tx.us	P.O. Box 9037 Paris, TX 75461-9037			476			11,48	7 1,226		February, 1922	192	3 1923	Report 126	JJR: Based on 1956 U.S. Soil conserv	9,:	260 9,19	95	15 1,060	Jun-03	TWDB	Lake Crook, 2004  Volumetric Survey of	
Cypress Springs, Lake	david.weidman@fcwd.com	P.O. Box 559 Mt. Vernon, TX 75457			378			72,800	3,461		July, 1968	197	July 7, 1970	Report 126	JJR: Elevation 385.0, capacity 100,40	67,	690 67,69	90	1 3,461	Apr-98	TWDB	Lake Cypress Springs, 2003	
Section 1.		105 North Rose Ave. Breckenridge, TX 76424			4070			0.54			December 15, 1947	40.		D			545			07/4070			
varitti, Läht	gernest@wtconnect.com				1278			9,515	5 924		Catember 13, 1947	194	June, 1949	9 Report 126	JJR: (based on 1970 USCS survey) U	9,	515 9,43		80 924	9/7/1978			
Davis, Lake		P.O. Box 168 Benjamin, TX 79505-0168			1401.5			5,454	585			195	9	NID 2006		5,-	454 5,45	54 n/a	585	n/a			
																						Volumetric Survey of	
Diversion, Lake	wcwid2@cbc.global.net	402 E. Scott Wichita Falls, TX 76303			1052			40,000	3,133		1922	192	4 1924	4 Report 126		33,	420 33,42	20 n/a	3,133	Jul-95	TWDB	Medina Lake and Diversion Lake, 2003 Plan	anning: based
Delta Isla		200 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												D 405			200	200					
Dunlap, Lake	thill@gbra.org	933 E. Court St. Seguin, TX 78155			575.2			5,900	410		1927	192	o 1928	Report 126	Usable storage 3,550 acre-ft; General	5,	900 5,90	00 n/a	410	n/a		Volumetric Survey of E. V. Spence	
E V Spence Reservoir	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869  P.O. Box 220 Austin, TX 78767			1898			488,760 9,600			December 15, 1966 1899	196	9 December 15, 1968	Report 126	JJR: Top of emergency spillway: eleva	517,	272 517,27 600 9,60		0 14,640		TWDB	Reservoir, 2000	
wegle Lake	mike.lowe@lcra.org	1 DUX 220 AUSUII, 1X /8/0/			170			9,600	1,200		1899	190	1900	ajisepuit 120		9,1	9,60		1,200	n/a			
																						Volumetric Survey of	
Eagle Mountain Lake	dmarshall@trwd.com	800 E. Northside Drive Fort Worth, TX 76102			649.1			190,460	8,738		January 23, 1930	193	2 February 28, 1934	4 Report 126	JJR: (based on 1968 US Army Corps	182,	505 182,50	00	5 8,702	Apr-00	TWDB	Eagle Mountain Lake, 2001	
Eagle Nest Lake		981 Ridgewood Ave., Suite 101, Vinice, FL 342	285					18,000				194	9	<u> </u>		18,	000 18,00	00 n/a		n/a			

General Name	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir 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)		Year Construction Started	Year of Completion	Year Impoundment Began	nt Source Original Information	Comments Original Information	st Survey Conservation Pool Tota Volume (acre-feet)	al 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		5,62	5,626	n/a	731	7/1/1999			
		6866 Highway 259 South, P.O. Box 1000 Lone	ie .																				
Ellison Creek Reservoir Fairfield Lake	jrrouse@uss.com gary.spicer@luminant.com	Star, TX 75668 500 North Akard Suite LP 9- 050F Dallas, TX 75201	Owner		268.1 310			24,700			1942 August 19, 1968	1943	January, 1943 December, 1969		JJR: Emergency Spillway Crest: eleva	24,70 44,16		n/a	1,516 0 2,159	n/a May/Jun-99	TWDB	Volumetric Survey of Fairfield Lake, 1999	Planning: water 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	3 Report 126	JJR: (Based on 1956 International Bo	2,653,76	2,653,636	12	4 86,843	1956	IBWC	Report 126	
																						Volumetric Survey of	
Lake Nocona Forest Grove Reservoir	revell_hardison@hotmail.com gary.spicer@luminant.com	100 Cooke St. Nocona, TX 76255 500 North Akard Suite LP 9- 050F Dallas, TX 75201			827 359			25,400 20,038	1,470		September, 1959	1960		it began in 1980, but ga	JJR: Elevation 835.0, capacity 39,000 tes have been left open since a power pla	21,74		30 n/a	4 1,362 1,502 n/a	Jul-01	TWDB	Lake Nocona, 2002	Planning: zero
																						Volumetric Survey of Lake Fork Reservoir,	-
Fork Reservoir, Lake	dhenson@sratx.org	P.O. Box 579 Orange, TX 77630			403	36	0 msl	675,819	27,264			1980	1980	0 NID 2006		636,13	604,927	31,20	6 27,264	9/13/2001	TWDB	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	18 Report 126	JJR: (Based on May 1955 U.S. Coil C	70,03	6 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. Wortl TX 76102-0300	h, owner		791			37,100	1,310	7900	1972	1982	2 1980	0 Report 126	JJR: Top of Dam: elevation 861.0 ft, a	36,90	36,823	8	1 1,287	May-05	TWDB	Volumetric Survey of Lake Georgetown, 2006	
Gibbons Creek Reservoir Gilmer, Lake	gparsons@texasmpa.org dannyl@etex.net	P.O. Box 7000 Bryan, TX 77805 P.O. Box 760 Gilmer, TX 75644	Owner		315			32,084 12,720				1981	l .	1 NID 2006 19 NID 2006		32,08 12,72			2,770 n/a 1,010 n/a	1			
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 a	6,50	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	9 1929	9 Report 126, Volumetr	ric SJJR: (capacities from survey made in	45,30	2 45,260	4	2 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	9 Report 126	JJR: Top of Gates: elevation 693.0 ft;	129,01	1 129,011	96	5 7,945	Jul-03	TWDB	Volumetric Survey of Lake Granbury, 2005	elevations are E
		Attn: CESWF-EC-H, P.O. Box 17300 Ft. Wortl	h.																			Volumetric Survey of	
Granger Lake	paul.k.rodman@usace.army.mil	TX 76102-0300	owner		504			65,500	4,400	27600	1972	1979	1977 (estimated Rep	P Report 126	JJR: Top of Dam: elevation 555.0 ft, a	52,52	52,525		0 4,064	4/1/2002	TWDB	Granger Lake, 2003	
Grapevine Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Wortl TX 76102-0300	h, owner		535			188,550	7,380	830	January, 1948	1952	2 July 3, 1952	2 Report 126	JJR: (Based on 1946 survey by the U.	164,70	3 164,702		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	B December 5, 1966	66 Report 126	JJR: (Based on USGS data 1987) Em	60,40	59,500	90	0 2,025 n/a				
																						Volumetric and Sediment Survey of Reservoir A and B,	
Galveston County Reservoir	rdistre@hotmail.com	3630 Hwy 1765 Texas City, TX 77591			20			7,308	812			1948	3	NID 2006		7,30	7,308	n/a	812 Jur		TWDB	2006 Volumetric Survey of	
Halbert, Lake	sblevins@ci.corsicana.tx.us	200 North 12th St Corsicana, TX 75110			368			7,420	650		1920	1921	1921	1 Report 126	JJR: (Based on USGS 1950 data)	6,03	6,033	n/a	603	Feb-99	TWDB	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	h, owner		1900			8,640	510	27	January 15, 1947	1948	3 April 7, 1948	8 Report 126	JJR: Maximum Design water surface:	8,11	2 8,112	:	3 504	10/1/1968	Corps of Engineers - Fort Worth District	owner Value of the control of the co	Planning: estim
Houston County Lake		P.O. Box 1246 Crockett, TX 75835			260			19,500	1,282		April 14, 1966	1966	November 4, 1966	66 Report 126	JJR: Emergency Spillway Crest: eleva	17,66	5 17,113	55	2 1,330	Jan-99	TWDB	Volumetric Survey of Houston County Lake, 1999	1

General Name	Ownership Contact		Ownership Ownership  Contact Contact	Reservoir Original	Reservoir Original	Reservoir	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir  Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir  Last Survey	Reservoir Last Survey	Reservoir Last Survey
Name	Email	Address	Contact Comments		Dead Pool Elevation (feet)	Datum	Original Conservation Pool Total Volume (acre-feet)	Original Surface Area at TOC (acre)	Original Dead	Year Construction Started	Year of Completion	Year Impoundment Began	Source Original		Last Survey Conservation Pool Tota Volume (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	
									(acre-reet)													
Houston, Lake	jberry@coastalwaterauthority.org	One Allen, Suite 2800, 500 Dallas Street, Houston Texas 77002-4708		43.8			146,700	12,240	D.	January 21, 1952	195	4 April 9, 1954	Report 126	JJR: (based on sedimentation survey	133,98	0 128,863	5,12	11,854	Feb-9	34 TWDB	Volumetric Survey of Lake Houston, 2003	
																					Volumetric Survey of	
Hubbard Creek Reservoir	belld@wctmwd.org	410 Hickory Abilene, TX 79601		1183	1136		317,750	15,250	3470	March 1, 1961	196	2 December 18, 1962	Report 126	JJR: (Based on 1963 area capacity cu	324,98	318,070	6,916	14,922	Feb-9	TWDB	Hubbard Creek Reservoir, 2003 Volumetric Survey of	
Hubert H Moss Lake	rsellman@cogtx.org	104 W Hird St. Gainesville, TX 76240 P.O. Box 445 Imperial, TX 79743		715 2421			23,210	1,125	5	December 8, 1964	196		Report 126 NID 2006	JJR: (Based on 1958 aerial photograp	24,15		97	1,140 1,530 n/a	May-	99 TWDB	Hubert H. Moss Lake, 1999	
imperial Reservoir							17.545				193				15,06			1,550 11/4	1/1/199			
inks Lake	mark.jordan@lcra.org	P.O. Box 220 Austin, TX 78767		888.22					3	1936				er 2 Invert to penstock el. 844.5 ft,			284	803			Volumetric Survey of Lake J.B. Thomas,	
J B Thomas, Lake  Jacksonville, Lake	jgrant@crmwd.org will.cole@jacksonvilletx.org	P.O. Box 869 Big Spring, TX 79721-0869  P.O. Box 1390 Jacksonville, TX 75766		2258			203,600			March 26, 1951 1956	195		Report 126	JJR: (based on surveys in 1948, and 1	200,60		673	7,282	Nov-9	99 06 TWDB	2000 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	wner	440			310,312	19,305	5		199	1	Report 126 Final 2002 WAMs for the Trinity, Trinity-San		298,93	0 298,930		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	wner	522			176,900	7,470	D.	1977	198		Jacinto, and Neches- Trinity River Basins, p 54-55		176,90	0 176,900	n√a	7,470	6/7/190	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	196	1 August 4, 1961	NID 2006, Report 126	6 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			192			3 JJR: (based on USACE 1971 survey)	245,43	14 245,434	(	15,357 Jan-I	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	194	5 February 1, 1946	NID 2006, Report 126	3 JJR: Top of Dam: elevation 1062.0 ft	85,82	5 85,825	(	6,028	Apr-0	1 TWDB	Volumetric Survey of Lake Kickapoo, 2001	
Kirby, Lake	Tommy.OBrien@Abilenetx.com	P. O. Box 60 Abilene, TX 79604-0060 F	·NI files	1786			7,620	740		1927	192	9 4020	NID 2006 Papart 126	JJR: (based on 1941 USGS survey) L	7,62	7,620	,	740 n/a				
Milly, Lake	Tolliny. Obliens Autorio. Coll	1. O. DOX OF ADIREIRS, TX 73004-0000	IN III63	1700			7,020	740		1321	192	1920	NID 2000, Report 120	331. (based on 1341 0303 survey) E	7,02	7,020		74011/2				
Kurth, Lake	david_rusk@abicon.com	P.O. Box 1149 Lufkin, TX 75902		197.5			16,200	726	6	May 26, 1959	196	1	Report 126	Water is pumped from the Angelina R	14,76	9 14,769		726	12/1/199	96		Planning: water
Lavon Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300	wner	492			456,500	21,400	0	January, 1948	195	3 September 14, 1953	Report 126	JJR: (based on 1970 USACE data) M	456,52	6 443,844	12,683	21,400	197	Corps of Engineers - 70 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	195	4 April, 1954	Report 126	JJR: Crest of Emergecny Spillway: el.	27,29	0 26,421	869	1,590 n/a				
																				URS-Washington		
Lewis Creek Reservoir	mmontal@entergy.com	11191 Longstreet Rd Willis, TX 77318		267			16,400	1,010	0	November 11, 1967	196	9 August 25, 1969	Report 126	Power generation began October, 197	16,40	16,400	(	1,010	6/12/200	Division/Houston Por	ver Owner	Planning: zero
		Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth,																		Turner Collie and		
Lewisville Lake	paul.k.rodman@usace.army.mil	TX 76102-0300 a	wner	522			648,400	29,592	2	November 28, 1948	195	5 November 1, 1954	NID 2006, Report 126	5 JJR: Proposed modification will chang	571,92	6 571,926	n/a	29,170	11/1/198	89 Braden, Inc.	owner	-
Limestone, Lake	pford@brazos.org	P.O. Box 7555 Waco, TX 76714-7555		363			225,400	14,200	0		197	В	NID 2006	Planning: 217494 is from plate. 22540	208,01	7 208,017		12,553	Apr-0	12 TWDB	Volumetric Survey of Lake Limestone, 2003	3
Livingston, Lake	stevensr@trinityra.org	P.O. Box 1554 Huntsville, TX 77342		131			1,750,000			May 26, 1966				JJR: (based on Brown and Root letter	1,741,86		n/a	83,000	12/1/199	91 Bureau of Reclamati	on Owner	
Loma Alta Lake	eacampirano@portofbrownsville.com	1000 Foust Rd Brownsville, TX 78521		17.5			26,500	2,490	J	November 10, 1958	196	s	Report 126	qlu: res. 1A & 1B (500 a/f & 300 a/f re	26,50	26,500		2,490 n/a				
Lost Creek Reservoir	jboro@wf.net	112 W. Belknap Jacksboro, TX 76458		1008			11,961	368	в		199	1 1990	NID 2006, Final 2002	WAMs for the Trinity, Trinity-San Jacinto.	11,96	11,961	n/a	368 n/a			<u> </u>	

General Name	Ownership Contact		wnership Ownership Contact Contact		ervoir Reservoir ginal Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Reservoir Original Original		Reservoir  Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey
Name	Email	Address	Contact Comments	Elevation Dead Poo	ol Elevation Datum	Original Conservation	Original Surface	Original Dane	Year Construction	Year of	Year Impoundment Source Origi	nal Comments Original Information	Last Survey Conservation Pool Total L	ast Survey Conservation Pool	Last Survey Dead Pool	Last Survey Area at	Date of	Last Survey Sou	urea I aet Survey	Comments
Name	Email		Source Contact Comments	of TOC (feet) (fe	peet) Datum	Pool Total Volume (acre-feet)	Area at TOC (acre)	(acre-feet)	Started	Completion	Began Informatio	Comments Original Information	Volume (acre-feet)	Capacity (acre-feet)	Volume (acre-feet)	TOC (acres)	Last Survey	Performed by Sou		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) In	134,353	113,690	20,663	6,375	1/1/1997			
Mackenzie Reservoir Manor Lake	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 56,60	46,450	46,429	21	896 n/a				
Marble Folis, Lave	mark.jordan@lcra.org	P.O. Box 220 Austin, TX 78767  500 North Akard Suite LP 9- 050F Dallas, TX	Dallas Power and Light Co. Tex Electric Service Co. Texas Pow and Light Co. Texas Ulifiles	738		8,760	780		November 6, 1949	1951	July, 1951 Report 126	JJR: (based on LCRA survey) invertit	6,420	6,420 n/i	a	780	1/1/1997	Volu	metric Survey of	
Martin Lake	gary.spicer@luminant.com	75201 R	and Light Co. Texas Utilities eport 126 Service Inc. (Agent)	306		77,619	4,981		May 31, 1972	1974	Report 126		75,116	75,116	(	4,981 May/J	in-99 TWE	B Marti	metric Survey of in Lake, 2003 metric Survey of	
Medina Lako	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	· ·	6,066	Jul-95 TWE	Medi	na Lake and sision 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 TWE	Surv	er & Volumetric ey of Lake edith, 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	1,28\$	3 2,268	3/1/1993			
Mineral Wells, Lake  Mitchell County Reservoir	cityofmw@mesh.net jgrant@crmwd.org	P.O. Box 460 Mineral Wells, TX 76068 or P.O. Box 869 Big Spring, TX 79721-0869	wner	863.4 2200		6,760 27,266	646 1.463			1920	December 31, 1953 Report 126 1991 NID 2006	JJR: (based on forrest and Cotton Inc	7,065 27,266	7,065 n/s		646 1,463 n/a	7/23/1992		F	Planning: Wate
Monticello Reservoir	gary, spicer@luminant.com	500 North Akard Suite LP 9-050F Dallas, TX 75201 R	Texas Power and Light Co. Tex Electric Service Co, Dallas Pow and Light Co. Texas Electric Service Co. Texas Electric Service Co. Texas Utilities Generating Company is the Generating agent	as er 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		2,001	2/1/1998		F	Planning: water
Mountain Creek Lake	randy.tipton@exeloncorp.com	2233A Mt Creek Parkway Dallas, TX 75211 N	D 2006, Report 126	457		37,520	2,710		1929	1936	March, 1937 Report 126	JJR: (based on sediment surveys mad	22,840	22,840	(	2,710 n/a			F	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		3,529	Nov-98 TWE	B Lake	metric Survey of Murvaul, 1999 metric Survey of	
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 TWE	B 2003	Nacogdoches,	
Nasworthy, Lake	will.wilde@sanangelotexas.us	72 W. College San Angelo, TX 76903	wner	1872.2		14,604	1,380		January, 1929	1930	March 28, 1930 Report 126	JJR: (based on U.S. Soil Conservation	10,108	9,615	493	1,380	Sep-93 TWE	B Lake	metric Survey of Nasworthy, 2003	
Navarro Mills Lake	paul.k.rodman@usace.army.mil	Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, TX 76102-0300 o	vner	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/s	a	5,062	9/1/1972 Fort	s of Engineers - 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 TWE	New	metric Survey of Terrell City Lake, B	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/s	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) In	vert of low flow outlet: el. 494.25 ft, capaci	ty 7,600 ac-ft, area 454 acres. Pow	er 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	vner	1908		119,200	5,440		May, 1947	1951	February 1, 1952 Report 126	JJR: Maximum design water surface:	115,743	115,743		5,400	9/1/1962 Fort	s of Engineers - Worth District		

Calif Creek Reservoir P. D. Box 650 Sesentiation, TX 79555 200 30 200 100 2,375 00 30 200 100 200 200 200 200 200 200 200 20	1998 TWDB 1999 1995 1905 1905 Volument of the control of the contr	Planning: calcu
Part   Part	1998 TWDB 1999 1995 1905 Volument	ke O' the Pines, 99  slumetric Survey of ke Palestine, 2005, mer  Planning: calcu
Part   Part	1998 TWDB 1999 1995 1905 Volument	ke O' the Pines, 99  slumetric Survey of ke Palestine, 2005, mer  Planning: calcu
Comparison   Com	1998 TWDB 1999 1995 1905 Volument	ke O' the Pines, 99  slumetric Survey of ke Palestine, 2005, mer  Planning: calcu
See Conference   P.O. Bes 400 Bestellands   T. 17055   200   23.20	Volur Jake Jake Jake Jake Volur Lake	ke Palestine, 2005, ner  Planning: calcu  Plumetric Survey of ke Pat Cleburne,
Pulsary Line 2 - service de desses and or melaurarigh due 90. Data 1995 Privates 1.75 (1995 2 - 224 22.650 Junior May 1, 1995 Privates 1.962; Private May 1, 1995 Privates 1.9	Volur Jake Jake Jake Jake Volur Lake	ke Palestine, 2005, ner  Planning: calcu  Plumetric Survey of ke Pat Cleburne,
Position   Position	Volur Jake Jake Jake Jake Volur Lake	ke Palestine, 2005, ner  Planning: calcu  Plumetric Survey of ke Pat Cleburne,
Palo Date Reservoir pulse   P.O. Box 99 Spearman, TX 79081   PNI files   2892 2844.5   60,897 2,413 3222   Sep-88   Apr-91   Jan-91 NID 2006 FNI files   60,897   60,897 Nia   2,413 Nia   Palo Proto, Lake	un-03 TWDB Lake owne	ke Palestine, 2005, ner  Planning: calcu  Plumetric Survey of ke Pat Cleburne,
Pale Duris Reserved pota 8 distinual net P.O. Box 99 Spearman, TX 79081 FNI files 2892 2844.5 60.897 2,413 3222 Sep-88 Apr-91 Jan-91 ND 2006 FNI files 60.897 60.897 Na 2,413 n/s  Pale Duris Reserved on or email P.O. Box 39 Spearman, TX 79081 FNI files 60.897 Na 2,413 n/s  Pale Duris Reserved on or email P.O. Box 39 Spearman, TX 79081 FNI files 60.897 Na 2,413 n/s  Pale Duris Reserved Na 2,413 n/s  Pale Duris Re	un-03 TWDB Lake owne	ke Palestine, 2005, ner  Planning: calcu  Plumetric Survey of ke Pat Cleburne,
Pate Dute Reservoir pdra @ distribution   P.O. Box 99 Spearman, TX 79081 FNI files   2992 2844.5   60,897 2,413 3222 Sep-88   Apr-91   Jan-91 NID 2006 FNI files   60,897   60,897   60,897   00   2,413   00   00   00   00   00   00   00	volut	Planning: calcu
Palo Perto, Lable on email P.O. Box 387 Mineral Wells, TX 76067 867 44,100 2.661 Merch 21,1963 1964 April 16, 1964 Report 126 JJR: (based on Freese and Nichole to 27,650 2.661 n/s 27,650 2.661	Lake	Numetric Survey of ke Pat Cleburne,
Pat Mayse Lake ron. w.bell @swt03.usace.army.mil 1645 South 101st East Ave. Tulsa, OK 74128- 451 124,500 5,993 May 9, 1965 1967 September 28, 1967 Report 126 JJR: Top of flood control pool: el. 460 118,110 n/a 5,993 1964 1964 1966 1966 Highway 259 South, P.O. Box 1000 Lone	Lake	ke Pat Cleburne,
Pat Mayse Lake   ron. w.bell@swt03.usace.army.mil   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   n/a   5,993   1940   194	1965	
8866 Highway 259 South, P.O. Box 1000 Lone Peacock Site 1A Tailings Resenoid irrouse@uss.com Star, TX 75668 400 11,248 180 1983 NID 2006 never used for tailings 7,100 7,100 n/a 180 n/a		
8866 Highway 259 South, P.O. Box 1000 Lone Peacock She 1A Tailings Reservoid prouse@uss.com 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 7,390 523 1977 NID 2006 7,380 7,380 7,390		
Possum Kingdom Lake plord@brazos.org P.O. Box 7555 Waco, TX 76714-7555 100 724,739 19,800 May 29, 1938 1941 March 21, 1941 Report 126 JJR: Spillway Crest: el. 987.0 ft, caps 540,340 540,340 0 16,716 Dec 2004-Jan 2005	Poss	olumetric Survey of ssum Kingdom ke, 2006
Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth,	Volur	slumetric Survey of octor Lake, 2003
City Hall, 1500 Marilla, Suite 4AN Dallas, TX	Surve	wner/Volumetric irvey of Lake Ray
Ray Hubbard, Lake c.stringer@dallasichyhall.com 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 0 20,963 5/1/200	2005 TWDB Hubb	ibbard, 2006
Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth, Ray Roberts, Lake paul.k.rodman@usace.army.mil TX 76102-0300 owner 6325 799,600 29,350 1981 1987 1987 NID 2006 Planning: 749200+54600 dead pool = 799,600 799,600 n/a 29,350 1981	Corps of Engineers - 1985 Fort Worth District	
Red Bluff Reservoir redbluff@netwest.com 111 West 2nd St. Peccs, TX 79772 2842 310,000 11,193 November, 1934 1936 September, 1936 Report 126 JJR: (based on USGS survey 1925): 0 289,670 n/a 11,193 n/		
	Richl	olumetric Survey of chland-Chambers
	TWDB Rese	servoir, 2003
S00 North Akard Suite LP 9-050F Dallas, TX     S00 North Akard Suite LP 9-050F Dallas, TX     S00 North Akard Suite LP 9-050F Dallas, TX     S00 North Akard Suite LP 9-050F Dallas, TX   S00 North Aka		Planning: no ou
Attr: CESWF-EC-H, P.O. Box 17300 Ft. Worth,	Sam	olumetric Survey of Im Rayburn
Sam Raybum Reservoir paul.k.rodman@usace.army.mil 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 Rese	servoir, 2006
Santa Rosa Lake         thomast@waggonerranch.com         P.O. Box 2130 Vermon, TX 76385         11,570         11,570         1,500         1929         1929         Report 126         The water used is pumped direct from         11,570         n/a         1,500         n/a           Smithers Lake         Ited.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 In/a		Planning: water

General Name	Ownership Contact	Ownership Contact	Ownership Contact	Ownership Contact	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Original	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir Last Survey	Reservoir 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	st Survey Conservation Pool Tota Volume (acre-feet)	l 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. Wort TX 76102-0300	rth, owner		238			160,100	11,460		June 4, 1962	1967	7 January 3, 1967	Report 126	JJR: (based on USGS 1959) Maximur	147,10	4 147,104		0 11,555	Jul-	03 TWDB	Volumetric Survey of Somerville Lake, 2005	5
South Texas Project Reservoir	rgangluff@stpegs.com	P.O. Box 289 Wadsworth, TX 77483			49			202,600	7,000			1981	1979	December 2001 WAN	M Final Report by R. J. Brandes Company	202,60	0 202,600	n/a	7,000 Re	servoir is inpsected dail	,		
		500 North Akard Suite LP 9- 050F Dallas, TX																				Volumetric Survey of Squaw Creek	
Squaw Creek Reservoir	gary.spicer@luminant.com	75201	`		775			151,047	3,228			1977	7	NID 2006		151,41	8 151,370	5	1 3,297	May-	97 TWDB	Reservoir, 2003	
																						Volumetric Survey of	
Stamford, Lake	no email	P.O. Drawer 191 Stamford, TX 79553  Attn: CESWF-EC-H, P.O. Box 17300 Ft. Worth	rth.		1416.8			57,630	4,690		July 14,1941	1953	3 June, 1953	Report 126	JJR: Capacity (1966) 53,930 ac-ft	51,57	3 51,570		3 5,124 Jul	/Aug 1999	TWDB	Lake Stamford, 2000  Volumetric Survey of Stillhouse Hollow	
Stillhouse Hollow Lake Striker, Lake	paul.k.rodman@usace.army.mil ancwcid1@aol.com	TX 76102-0300 18950 CR 4256 South Reklaw, Texas 75784	owner		622			235,700 26,960	6,430		June 11, 1962 June 23, 1956	1968	February 19, 1968  May 1, 1957		JJR: (based on USGS survey 1958) N  JJR: Spillway Crest: el. 282.0 ft, capa	227,82: 22,86:		5.93		y-Jun 2005	TWDB	Lake, 2006 Volumetric Survey of Striker Creek Reservoir and Lake	Planning: water
Sulphur Draw Storage Reservoir	jgrant@crmwd.org	P.O. Box 869 Big Spring, TX 79721-0869			2541			7,997	970			1993			yyang: from Randall Burns.	7,99		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		17,83	8 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	11,90	0 10,006	1,89	4 630 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	888,14	0 888,130	1	4 37,879	4/8/19	TWDB	Volumetric Survey of Lake Tawakoni, 2003	
																						Volumetric Survey of	
Texana, Lake	pbrzozowski@Inra.org	P.O. Box 429 Edna, TX 77957			44	15	msl	165,918	9,934	8034		1981		NID 2006, TWDB Vol	lumetric Survey 2001	161,08	5 153,246	7,83	9,727	Aug-	00 TWDB	Lake Texana, 2001	Planning: The c
Texoma, Lake	ron.w.bell@swt03.usace.army.mil	1645 South 101st East Ave. Tulsa, OK 74128 4629	8-		617	523		3,132,000	74,686		August 22, 1939	1944	Cotober, 1943	Report 126	JJR: Top of flood control pool: el. 640.	2,516,23	2 1,467,283	1,048,94	9 74,686 Jui	n-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) N	4,477,00	0 4,472,900	4,10	0 181,600 n/a				Planning: 4100
Lady Bird Lake		P.O. Box 1088 Austin, TX 78767	Owner		428.25			6,784	477			1960	D.	NID 2006		6,24	8 6,248	n/a	477 Ma	r/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	3 July 5, 1968	Report 126	JJR: Streambed el. 390.0 +- ft; Sedim	37,80	0 35,110	2,69	0 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	2 September 9, 1940	Report 126	JJR: (based on Bureau survey 1939) I	1,132,17	2 1,113,902	18,27	0 18,622				
Trinidad Lake	gary.spicer@luminant.com	500 North Akard Suite LP 9- 050F Dallas, TX 75201	(		283			7,450	740		1925	1925	5 1925	Report 126	JJR: Water surface maintained above	6,20	0 6,200	n/a	740 n/a				Planning: zero
Twin Buttes Reservoir Twin Oak Reservoir	will.wilde@sanangelotexas.us	72 W. College San Angelo, TX 76903  500 North Akard Suite LP 9- 050F Dallas, TX 75201	Owner		1940.2	1885		186,200 30,319	9,080	4600	May 3, 1960		December 1, 1962		JJR: (based on Bureau survey) Maxin	186,20		8,35	0 9,080 n/a				Planning: Cooli
Tyler, Lake	mmarable @tylertexas.com	P.O. Box 2039 Tyler, TX 75710			375.38			80,900			1948				JJR: Two lakes joined by canal May 2	80,19		6,94		y-Jun 1997	TWDB	Volumetric Survey of Lake Tyler, 2003	
Upper Nueces Lake Valley Lake	no email	P.O. Drawer 729 Crystal City, TX 78839  500 North Akard Suite LP 9- 050F Dallas, TX 75201	(		598			7,590 16,400			April 18, 1960	1948	3 1948 December, 1960	Report 126	JJR: Usable storage capacity 7,590 a  JJR: (based on 1959 area capacity) C	5,20			316 n/a				yyang: yy talkec Planning: Valle

Compare   Comp	
Victor   Paramigualities   P.O. Box 1771 San Antonio, TX 78296   Owner   Thissens 210-353-4720   607   26.500   1,350   June 6, 1961   1962   December, 1962   Report 126   JJR: First Generating unit in service A   26.500   26.500   na   1,350	Jan-95 TWDB  Volumetric Survey of Waco Lake, 2003  Volumetric Survey of Lake Waxahachie, 2000  Volumetric Survey of Lake Waxahachie, 2000
Visco   P.O. Box 1771 Spin Antonio, TX 78296   Owner   Thissens 210-353-4720   507   26.500   1,350   June 6, 1961   1962   December, 1962   Report 126   JRF. First Generating unt in service A   26.500   26.500   na   1,350	Jan-95 TWDB  Volumetric Survey of Waco Lake, 2003  Volumetric Survey of Lake Waxahachie, 2000  Volumetric Survey of Lake Waxahachie, 2000
Visco   P.O. Box 1771 Spin Antonio, TX 78296   Owner   Thissens 210-353-4720   507   26.500   1,350   June 6, 1961   1962   December, 1962   Report 126   JRF. First Generating unt in service A   26.500   26.500   na   1,350	Jan-95 TWDB  Volumetric Survey of Waco Lake, 2003  Volumetric Survey of Lake Waxahachie, 2000  Volumetric Survey of Lake Waxahachie, 2000
Water E Long, Lake paul k.rodman @usace.amry.mil 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 24 8,437 1958 1965 February 26, 1965 Report 126 JJR: Maximum design water surface: 199,227 198,943 24 8,437 1958 1965 February 26, 1965 Report 126 JJR: Maximum design water surface: 199,227 198,943 24 8,437 1958 1965 February 26, 1965 Report 126 JJR: Maximum design water surface: 199,227 198,943 24 8,437 1958 1965 February 26, 1965 Report 126 JJR: Maximum design water surface: 199,227 198,943 24 8,437 1958 1965 February 26, 1965 Report 126 JJR: Maximum design water surface: 199,227 198,943 24 8,437 1958 1965 Indicated a surface: 199,227 198,943 24 8,437 1958 1965 Indicated a surface: 199,227 198,943 24 8,437 1958 1965 Indicated a surface: 199,227 198,943 24 8,437 1958 1965 Indicated a surface: 199,227 198,943 24 8,437 1958 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 1965 Indicated a surface: 199,227 198,943 24 8,437 198,	Jan-95 TWDB Waco Lake, 2003  Volumetric Survey of Lake Waxahachie, 2000  Volumetric Survey of Lake Waxahachie, 2000  Volumetric Survey of Lake Weatherford,
Wake paul k-rodman@usace army.mil 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 24 8,437 Wake paul k-rodman@usace army.mil 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 24 8,437 June 13, 1958 June 1	Jan-95 TWDB Waco Lake, 2003  Volumetric Survey of Lake Waxahachie, 2000  Volumetric Survey of Lake Waxahachie, 2000  Volumetric Survey of Lake Weatherford,
Waxahachie, Lake disiley@waxahachie.com P.O. 8ox 757 Waxahachie, TX 75168 531.5 13,500 690 1500 May 26, 1956 1956 November, 1956 Report 126 JJR: (Based on 1945 Forrest and Cot 11,386 10,779 697 656	Jul-00 TWDB 2000  Volumetric Survey of Lake Weatherford,
	Jul-00 TWDB 2000  Volumetric Survey of Lake Weatherford,
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	Lake Weatherford,
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 18.650 69 1,159	Lake Weatherford, Apr-98 TWDB 2003
	owner/Volumetric Survey of Welsh
Welsh Reservoir         ugcarter@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 Reservoir, 2002 AEP engineers  Volumetric Survey of
White River Lake no email HCR2 Box 141 Spur, TX 79370 2369.2 2323 38,600 1,608 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 2003
White Rook Lake project@mail.cl.datea.x.v.us   Chy Hall, 1500 Marilla. Room 6th Daklas, TX 75001   458   16,156   1,088   1910   1911   1911   Report 126   JJR. (based on USGS survey 1970) S   9,004   9,004   1,088	Volumetric Survey of White Rook Lake, 2003
White Rock Lake pdyer@mail.ci.dallas.tx.us Clty Hall, 1500 Marilla. Room 6ft Dallas, TX 75201 458 18,158 1,088 1910 1911 1911 Report 126 JJR: (based on USGS survey 1970) S 9,004 Na 1,088	Mar-y3 I WUB 2003
Whitney, Lake paul.k. rodnan@usace.army.mil 7X 76102-0300 owner 533 627,100 23,560 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (based on 1959 suvery) Maximul 554,203 553,349 854 23,220	Volumetric Survey of Jun-05 TWDB Lake Whitney, 2006
Whitney, Lake paul k.rodman@usace.army.mil TX 76102-0300 owner 533 627,100 23,560 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10, 1951 Report 126 JJR: (pased on 1959 suvery) Maximu 554,203 553,349 854 23,220 May 12, 1947 1951 December 10,	Planning: estim
Winters / New Lake Winters, Lake on o email 310 South Main Winters, XT 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	Volumetric Survey of Lake Worth, 2002 Planning: zero
Attr: CESWF-EC-H, P.O. Box 17300 Ft. Worth,	Volumetric Survey of Lake Wright Patman,
Wright Patman Lake	1/1/1997 TWDB 2003  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 \$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 does not give permission to share into a permission to share with TWDB did not respond to survey

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose		Structural al Dam General			Structural Structural  Dam General Dam Gene		Structural  Dam Modifications	Structural s Dam Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural Emergency	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway
Name	Other Surveys	Source Other Surveys	Modification(s) to Conservation Storage	Total Drainage Area (mile²)	Contributing Drainage Area (mile²)	e Source Drainage Area	Comments Drainage Area	Main Purposes	Dam Type	Top of Dam Elevation (feet)	Dam Len (feet)		Top Width Source D. (feet) Genera		Year(s) of Modifications	Description of Modifications	Source Modifications	Comments Modifications	Spillway  Emergency Spillway Type	Emergency Spillway	Emergency Spillway Elevation (feet above MSL)	Emergency Spillway Width	Maximum Emergency Spillway Discharge Capaci (cfs)	Source Emergency Spillway Information
																		I						
												64 (NID 2006)	; NID 2006,			Extensive Repairs,								
bilene, Lake					110		RAI: 101 in NID 2006; 110 in Report 126	water supply, recreation	earthfill	202		5040 51 (Report 126	16 Report 126	wetted and rolled embankment	1941, 1957, 1980	0 1980-rehabilitation	Report 126, FNI files	s	uncontrolled	Left of concrete s	2018	50	0	Report 126
an Henry Reservoir					394 39	94		water supply, recreation, irrigation	earthfill	226	8	4150 141	20 NID 2006	zoned earthen embankment wit slurry trench	th				uncontrolled	right side of reser	2240	24	4705	30 NID 2006
coa Lake					6		Water is pumped from the Little River	industrial	earthfill	47		53 (NID 2006) 5430 50 (Report 126	NID 2006, 15 Report 126	earth core dam					none					NID 2006, Report 126
mistad, International Reservoir				15	26,423	Report 126	82,690 square miles in U.S.	recreation, flood control, hydroelectric, irrigation	earthfill	1152:		32000 254	NID 2006, 35 Report 126	dam is earthfill and concrete; 95 ft of length in U.S., earth core d	585 lam 1996	6	NID 2006		none					
non G Carter, Lake			increased to 28589 in 1983		100 99.	9.8		water supply, recreation, irrigation, other	earthfill	94		2540 71	20	soil foundation, homogenous ea dam, wetted and rolled embankment (JCM's list of engl assignments on dams)	r	3 Enlarged	HDR Engineering St	tudy 1981, HDR 198	35 uncontrolled	left end of dam	927	70	) 1494	50 NID 2006, Report 126
													2006			Constructed 2nd								
huac, Lake	dead pool storage	is assumed because	normal pool elevation lowere		199 19	39 Report 126	main source of water is pumpage from T	ri water supply, industrial, irrigation, tailings	earthfill	,		59000 10	Volumetric 8 Survey	Actually a levee	1992	spillway, 150'x25'- 2 4'MSL			uncontrolled	part of levee emb	8	120	136	00 Volumetric Survey 2006
quilla Lake	(January 1999 sur	Volumetric Survey	r of Aquilla Lake, 2003		252 25	252 book of COE dams		water supply, recreation, flood control, fish/wildlife	earthfill	582.		11890 104.5	38 NID 2006	rock and soil foundation, earth					uncontrolled limite	left abutment of th	564.5	120	1268	00 NID 2006
		,																						
														soil foundation, homogenous ea	arth	5.5 foot parapet wall in 1996	I							
rlington, Lake	report is 2003, bu	t the survey was co	mpleted in 199		143			water supply, recreation, other	earthfill	572 top of dam	5	89 (NID 2006); 6482 83 (Report 126)	NID 2006, 24 Report 126	dam, wetted and rolled embankment (JCM's list of engrassignments on dams)	r 1995 to1996	security measures and rock riprap repair in 2004	FNI Design for both		uncontrolled	right abutment, 5(	559.7	882 (Report 126);	700	NID 2006, Report 126
													NID 2006,											
owhead, Lake					832 55	57 Report 126	275 sq. mi. of drainage area is above La	k water supply, flood control	earthfill	94		15900 62	25 Report 126	soil foundation, earth core dam					none					
jens, Lake					22	NID 2006, Report 1	126	water supply, recreation	earthfill	45		57 (NID 2006); 3000 67 (Report 126)	NID 2006, 20 Report 126	soil foundation, earth core dam					uncontrolled	left of the dam	446	350 (NID 2006); 300 (Report 126)	142	91 NID 2006, Report 126
istin, Lake				3	38,240 26,83	37 NID 2006, Report	Runoff is largely regulated by upstream:	st water supply, hydroelectric	gravity, slab	a 51		1590 85	NID 2006, Report 126		nd of	3 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 Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose		Structural  Dam General		Structural  Dam General			Structural  Dam General	Structural  Dam Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural 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	Emergency Spillway Elevation (feet above MSL)	Emergency Spillway Width	Maximum Emergency Spillway Discharge Capacity (cfs)	Source Emergency Spillway Information
B A Steinhagen Lake				7,57:	7 57	book of COE dams		water supply, recreation, hydroelectric	earthfill	95	6698	45	25	NID 2006, Report 126 p	paved earthfill	1988	hydropower facility constructed	owner		uncontrolled	right side of dam	85	6100	21830	NID 2006, Report 126, 00 owner
				.,,																					
Ballinger / Lake Moonen, Lake				23:	32 23:	2 December 2001 WA	M Final Report by R. J. Brandes Compar	water supply, recreation	earthfill	1702	6200	76		NID 2006	homogenous earth dam					uncontrolled		1673.5	1000	23403	4 NID 2006
Balmorhea, Lake				2	22	Report 126		irrigation	earthfill	3192	4000	44 (NID 2006); 46 (Report 126)		NID 2006, Report 126						2000					
Sumomou, Eare						Traport 125		m guardi	Caramin	0102	4000	(Kepok 120)		TOPON 120						TION O					
Bardwell Lake				177	78 148	Final 2002 WAMs fo	r 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	7800	NID 2006, Report 126, 0 owner
Bastrop, Lake	w outlet work, water	released through to	ainter gate. Therefore, consic		9 9	Report 126, Decen F	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				4	10			water supply, recreation	earthfill	1829	3383	50 (NID 2006); 8 66 (Report 126)	16	NID 2006, Report 126						uncontrolled	left end of dam	1820	500	1997	8 NID 2006, Report 126
Rollon Lake				3,56	20 250	hook of COE do		water supply recognition flood annual instantia-	oarth <sup>©</sup>	200	Ero			NID 2006, Report 126 r	rolled earthfill					uncontrolled	loft abutment	200	1300	47050	0 book of COE dams
Belton Lake				3,56	3,561	book of COE dams		water supply, recreation, flood control, irrigation	earthfill	662	5524	. 192	30	poit 120	VALUE					uncontrolled	nost abusilitiit	631	1300	47250	Section Cold dalla
Benbrook Lake				42!	29 320			water supply, recreation, flood control	earthfill	747	9130	130	20	NID 2006, Report 126 r	rolled earthfill					uncontrolled	left abutment	724	500	1720	0 NID 2006, Report 126
Bob Sandlin, Lake			239 (u	ncontrolled drainage area = 127	7.8 Monticello Dam = 36.2, Cyp	oress Springs = 75.0		water supply, industrial	earthfill	349	dam & appurtenar	n 69	25	NID 2006, Report 126						uncontrolled	Near left end of d	341.3	1660 (NID 2006); 1500 (Report 126)	23460	12 NID 2006, Report 126

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose		uctural S General Da				Structural Structural  Dam General Dam General	Structural  Dam General	Structural  Dam Modifications	Structural  Dam Modifications Da	Structural  am Modifications	Structural  Dam Modifications	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural 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 Purpos	oses Dar	m Type E	op of Dam Elevation (feet)	Dam Length (feet)	Dam Height (feet)	Top Width (feet) Source Dam	Comments Dam General	Year(s) of Modifications	Description of Modifications	Source Modifications	Comments Modifications	Emergency	Emergency	Emergency Spillway Elevation (feet above MSL)	Emergency Spillway Width	Maximum Emergency Spillway Discharge Capacit (cfs)	Source Emergency Spillway Information
inham, Lake	March 2004 survey	Planning: estimated	based the rating curve in T		29	Report 126		water supply, industrial	earth	fill	584	486	59 (NID 2006); 0 70 (Report 126)	NID 2006, 18.5 Report 126	wetted and roller embankment	1989	9			uncontrolled	right of dam	571	40	0 1460	0 NID 2006, Report 126
														NID 2006,											
ady Creek Reservoir		<u> </u>			523 523	3 December 2001 W	Part of runoff is controlled by U.S. Soil Co	water supply, industrial, recreation	n earth	fill	1783	8400	104	4 36 Report 126	wetted and rolled embankment soil foundation, soil cement on		added a berm on D/S slope at			uncontrolled	right end of dam	1762.4	1000	0 36899	NID 2006, Report 126
randy Branch Cooling Pond	dead pool is assum	ed because of the co	poling pone		4	NID 2006		industrial	earth	fill	351	3200	80	20 NID 2006	upstream face from elev 330 to 345	1985 or 1986	elevation 288 that is approx 50 feet wide ow	mer		uncontrolled	right abutment	342.5	10	0 2400 at elev 348	NID 2006, owner
													20 (NID 2006); 16 avg (Report	NID 2006,											
zoria Reservoir					0 0	Report 126	Reservoir level is maintained by pumping	industrial	earth	fill	35	3986	126)	14 Report 126	variable height levee					none					
eport, Lake				1	111 1,085	Final 2002 WAMs t	or the Trinity, Trinity-San Jacinto, and Ne	water supply, flood control	earth	fill	874	2040	130	NID 2006, D 16 Report 126	wetted and rolled embankment	t 1971, 1972	Enlargement Re	eport 126		uncontrolled	left of dam	866	70	0 9960	0
wnwood, Lake				1	535 1,535	Report 126, Decen	ber 2001 WAM Final Report by R. J. Bra	water supply, recreation, flood con	introl earth	fill	1470	1580	) 120	NID 2006, 21 Report 126	earthen embankment	1982	dam was raised and widened ow	mer, FNI files		uncontrolled	800 ft to left of Da	1424.6	479	9 4000	NID 2006, Report 126
Utilities Lake					2	NID 2006		industrial	earth	fill	372.5	20000	59	NID 2006	homogenous earth dam					none					<u> </u>
hanan, Lake				31	828 20,512	NID 2006, Report 1	26, December 2001 WAM Final Report b	water supply, hydroelectric	multi	-arch	1025.35	1098	7 145.5 in Report 1	NID 2006, 33.8 Report 126		1994	1			uncontrolled	north end	1020.35	1,10	0 133938	NID 2006, Report 126
													52 (NID 2006);	NID 2006,	concrete wall 860' at 168.5, concrete wall 1,540 ' at 170.5, earth embankment 1,225' at 17	76,									
ddo Lake				2	700	NID 2006	includes Lake O'the Pines	water supply, recreation	earth	hill	176	860	36 (Report 126)	30 Report 126	concrete wall 100' at 176	1968	3 Updated Re	aport 126		none					
veras Lake					65	NID 2006, Report 1	26	industrial	earth	fill	498	6000	79 (NID 2006); 70 (Report 126)	NID 2006, 24 Report 126	impervious clay core with gates spillway					none					
on Lake	ated from the origin	al designed rating co	urve	1	432	NID 2006, Report 1		water supply, recreation, flood con	entrol, hydroelectric, stream earth	fill	974	6830		NID 2006, Report 126	rolled earthfill with spillway in saddle 2,500' from right abutm	ent 1988	non-federal hydropower facility 3 constructed crest of dam raised,			uncontrolled	right bank about	943	126	0 50280	NID 2006, Report 126
a Blanca Lake	tlet works.				117 117			recreation	earth		467		i .	NID 2006, Report 126		1978	service spillway widened			uncontrolled	near the right abu	458.6	80	0	
dar Bayou Generating Pond	pead pool storage is	s assumed because	ure cooling operation of the re-	serv	180	NID 2006		industrial	earth	fill	10	23230	10	NID 2006	soil foundation, earth core dam	1				nune					
																	Unclear - two bid tabs that say "spillway," one								
ar Creek Reservoir Colorado					6			industrial	earth	fill	401	10500	106	NID 2006	upstream facing earth dam		"spillway 2 excavation" bid	d tabs		none					

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General	General General	General	General Purpose		Structural			Structural Structural  Dam General Dam Ge		Structural	Structural	Structural	Structural	Structural Emergency	Structural Emergency	Structural	Structural Emergency	Structural	Structural
Name	Other Into	Source Other	Modification(s) to	Total Drainage	Drainage Drainage  Contributing Drainage Source Drainage	Drainage  Comments Drainage Area	Main Purposes	Dam Type	Top of Dam	Dam Length	Dam Height	Top Width Source	Dam Commente Dam Genera	Year(s) of	Description of	Source	Comments	Spillway	Spillway Emergency	Emergency Spillway  Emergency Spillway Elevation	Spillway Emergency	Emergency Spillway  Maximum Emergency Spillway Discharge Capacit	Source Emergency
		Surveys	Conservation Storage	Area (mile²)	Area (mile²) Area				(feet)	(feet)	(feet)	(feet) Gene	ral	Modifications	Modifications	Modifications	Modifications	Spillway Type	Location	(feet above MSL)	(feet)	(cfs)	Spillway Information
Cedar Creek Reservoir Trinity				1,00	954 Final 2002 WAMs	for the Trinity, Trinity-San Jacinto, and Neo	water supply, recreation, irrigation	earthfill	340	17539	91	NID 2006 20 Report 12	6 wetted and rolled embankmer	t				none					
Champion Creek Reservoir				20	186 NID 2006		water supply, industrial	earthfill	2109	6800	114	NID 2006 20 Report 12 NID 2006	6 wetted and rolled embankmer	t				uncontrolled	right end of emba	2091	150 (Report 126); 5(	8529	90 NID 2006, Report 126
												NID 2006 Report 12 TWDB 20 Volumetri	6, 04		extensive repairs were made to the service spillway								
Cherokee, Lake				15	Report 126		water supply, recreation, industrial	earthfill	295	4000	42	20 Survey				Report 126		uncontrolled	Near right end of	287.7	160	12000	00 NID 2006, Report 126
Choke Canyon Reservoir				5,49	00 NID 2006		water supply, recreation, other	earthfill	241.14	18504	112	33 NID 2006	soil foundation, upstream facil soil cement	9				none					
Cisco, Lake	s the operational s	torage. Designed ca	apacity is 26,000 af at 1520 ft	2	Report 126	Water is pumped from Battle Creek to sup	water supply, recreation	concrete	1528.5	1060	133.5 to roadway	NID 2006 31 Report 12		y sl				none					
Clyde, Lake				3	38 37 December 2001 \	WAM Final Report by R. J. Brandes Compa	water supply	earthfill	1888.9	3950	63	NID 2006 20 Report 12						uncontrolled	Near left end of D	1881.4	400	2187	70 NID 2006, Report 126
Coleman, Lake				29	292 NID 2006, Decen	ber 2001 WAM Final Report by R. J. Brand	water supply, industrial, recreation	earthfill	1740	3200	90	NID 2006 20 Report 12	6 wetted and rolled embankmer	t				uncontrolled		1726	1500	26592	23 NID 2006, Report 126
Coleto Creek Reservoir				50	07		industrial	earthfill	120	19300	65	NID 2006	soil foundation, earth core dar	n en en en en en en en en en en en en en				uncontrolled		107.3	2000	11724	40 NID 2006
Colorado City, Lake				32	22 302 December 2001 V	VAM Final Report by R. J. Brandes Compar	water supply, recreation, industrial,	earthfill	2090	4800	85	NID 2006 28 Report 12	6 wetted and rolled embankmer	t				uncontrolled	600 ft from left en	2073.4	1200	15000	00 NID 2006, Report 126
Conroe, Lake				44	15		water supply, recreation, irrigation	earthfill	212	11300	82	NID 2006 20 Report 12	6 wetted and rolled embankmer	t				none					
															modification of gatesfollowing								
Corpus Christi, Lake				16,65	16,656	Coke Canyon controls some fo the draina	water supply recreation	earthfill	106	5980	75 (Report 126);	NID 2006 51 Report 12	6 alluvial foundation	1966 (removal of	damage from hurricane,gtae repairs in 1996 and au stabilization in 2001	Report 126 FNI files		controlled	north end	88	2400	185375	58 NID 2006, Report 126
								earthfill	410			NID 2006 20 Report 12								406	700		00 NID 2006, Report 126
Creek Lake, Lake	ng pond.			<u>_</u>	14 Report 126	Runoff is supplemented by pumping from	industrial	eatuiiii	410	1860	50 (Report 126); \$							uncontrolled	right end of dam	400	700	421	00 NED 2000, Nepol: 120
Crook, Lake				5	Report 126		water supply, recreation	earthfill	484	3100	38	NID 2006 17 Report 12	6 wetted and rolled embankmer	t				uncontrolled	Near Center of Da	476	300	3079	94 NID 2006, Report 126
Cypress Springs, Lake				7	75 Report 126		water supply, industrial	earthfill	395 to 397.5	5230	74	NID 2006 44 Report 12	6 road across dam	20	08 Re-slope D/S slope	Franklin Co Dam ow	ner	uncontrolled	left of dam	385	1000	6925	57 NID 2006, Report 126
Daniel, Lake				11	5		water supply, flood control	earthfill	1294.6	2655	60 (report 126); 5	NID 2006 18 Report 12	6 wetted and rolled embankmer homogenous earth dam, wette	t				uncontrolled	left end of dam	1284.5	1500	22202	20 NID 2006, Report 126
Davis, Lake				3	39		irrigation	earthfill	1408	6864	32	NID 2006	and rolled embankment count (JCM's list of engr assignment	y				uncontrolled		1404	3500		NID 2006
Diversion, Lake	d the rating curve in	T drive, the estima	ated dead pool is zero	2,19	NID 2006, Report	Water is released from Lake Kemp to mai	irrigation	earthfill	1073.9	4120	55 (Report 126), 5	NID 2006 16 Report 12	6	1975 concrete ov	erlasee years	Owner		uncontrolled	right end of dam	53.5 concrete 1051+ i	RCC 1425 (Owner)	37762	26 NID 2006, Report 126
Dunlon Lake				Zietel - Below C B	NID 2005	Sauranth, conducted by Commercia	hudrododića	6-11/11	500	225-		NID 2006	C control with										
Dunlap, Lake			166	7 total; Below Canyon Dam 235		flow partly regulated by Canyon Dam		earthfill	589.7	2000	41	Report 12 NID 2006						note					
E V Spence Reservoir  Eagle Lake				5,01		2695 contributing (Report 126) Water is pumped from Colorado river whe	water supply, industrial, mining, recreation irrigation	earthfill earthfill	1928 1700	21500 5300	140 Varies, 6ft. +-	21 Report 12 Report 12		t				none	right end of dam	1908	3200	79600	07 NID 2006, Report 126
													JJR: Two sections of earthfill a concrete spillway separated	hv									
Eagle Mountain Lake				1,97	70 1,949 1991 FNI PMF U	date for Eagle Mountain and Bridgeport	water supply, recreation, flood control	earthfill	682	4800	85	NID 2006 25 Report 12	high ground of Eagle Mountain	19	71 Spillway	Report 126		uncontrolled	At Burgess Gap, I	670 bottom of fuse p	1300 (Report 126);	12510	00 NID 2006, Report 126
Eagle Nest Lake							irrigation									1			1				

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose	Structural  Dam General		Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam Modifications	Structural s Dam Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural Emergency	Structural Emergency	Structural Emergency Spillway	Structural Emergency	Structural Emergency Spillway	Structural Emergency Spillway
Name	Other Surveys	Source Other Surveys	Modification(s) to Conservation Storage	Total Drainage Area (mile²)	Contributing Drainage Area (mile²)		Comments Drainage Area	Main Purposes	Dam Type	Top of Dam Elevation (feet)	Dam Length (feet)	Dam Height (feet)		Source Dam General	Comments Dam General	Year(s) of Modifications	Description of Modifications	Source Modifications	Comments Modifications	Spillway  Emergency Spillway Type	Spillway  Emergency Spillway Location	Emergency Spillway Elevation (feet above MSL)	Spillway  Emergency Spillway Width (feet)	Maximum Emergency Spillway Discharge Capac (cfs)	Sauraa Emaranau
Electra, Lake					15			water supply, flood control	earthfill	1120.8	4500	) 40			rock and soil foundation, homogenous earth dam, wetted and rolled embankment (JCM's list of engr assignments on dams)					uncontrolled		1112.5	400	206	687 NID 2006
Ellison Creek Reservoir	is diverted by pun	nps for cooling			37			industrial	earthfill	280.1	4000	48.5 (Report 126)	) 18	NID 2006, Report 126 NID 2006,		199	RCC stilling basin g construction	FNI			right of the dam		500 (Report 126),		149 NID 2006, Report 126
Fairfield Lake	tlet works, and coo	ling pond			34 5	34 Final 2002 WAMs for	rinity, Trinity-San Jacinto, and Ne	clindustrial	earthfill	322	4350	77	25	Report 126						uncontrolled	Right end of dam	314 5	00 (Report 126); 7	322	260 NID 2006, Report 126
Falcon, International Reservoir				164,4	182	Report 126 87	,760 is in US	water supply, flood control, hydroelectric, irrigation	embankment	323	26294	1 150	35	NID 2006, Report 126	earthfill and concrete					none					
														NID 2006,											
Lake Nocona  Forest Grove Reservoir	dead pool storage	is assumed because	e it is a lake for industrial us		94 59 5	59		water supply, industrial industrial	earthfill earthfill	847 376	3720 3886	1	20	Report 126	wetted and rolled embankment soil foundation, earth core dam	199	4 spillway widening	FNI files			near left end of d	835 4 362	00 ft each (2 section 1000		899 NID 2006, Report 126 900 NID 2006
Fork Reservoir, Lake	is from the rating c	urve in T drive			193			water supply, municipal, industrial, irrigation	earthfill	419.5	12410	79	25	NID 2006	soil foundation, homogenous earth dam					none					
Fort Phantom Hill, Lake	oximately 9 feet low	v at the time		4	178			water supply	earthfill	1650	3740	84	25	NID 2006	wetted and rolled embankment					uncontrolled	0.7 miles from rig	1642 7	000 ( July 2005 in	5781	139 NID 2006, Report 126
														NID 2006,	Type:earthfill and rockfill;										
Georgetown, Lake					247 24	47 per owner		water supply, recreation, flood control	rock fill	861	6650	162	30	Report 126 FN-TMP1991, 1991 Breach	impervious core					uncontrolled	Right end of dam	834	1000	2840	000 NID 2006, Report 126 NID 2006, FN-
Gibbons Creek Reservoir					75	NID 2006		recreation, industrial	earthfill	261	6300	41		Analysis for Gibbons Creek Dam	soil foundation, homogenous earth					uncontrolled	left end of dam	250	1500	260	TMP1991, 1991 Breach Analysis for Gibbons Occeek Dam
Gilmer, Lake					36			water supply	earthfill	328.5	2550	43		NID 2006	earthfill with concrete spillway,	200	1			uncontrolled		319	800	711	100 NID 2006
Gonzales (H-4), Lake				2048 total : Below Canyon 616		NID 2006		recreation, hydroelectric	earthfill	346	2170	42		NID 2006	wetted and rolled embankment (JCM's list of engr assignments on dams)					none					
														NID 2006,			enlargement, embankment lengthened to 4495, and raised to a maximum height of 57' with a crest								Report 126, Volumetric Survey of Lake Graham,
Graham, Lake					21	Volumetric Survey of	ake Graham, 1998	water supply, industrial	earthfill	1093.3	4495	5 57		Report 126	wetted and rolled embankment	195	added electric	Report 126		uncontrolled	right end of Grah	1076.3	1050		1998
Granbury, Lake	BRA datum			25,6	16,11	13 NID 2006, Report 19,2	240 square miles is probably not contr	b 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	hoists to each spillway gate	owner		none					
Granger Lake				-	730 46	63 NID 2006, Report 1JJ	R: 463 square mile incremental	water supply, recreation, flood control	earthfill	555	16190	114	30	NID 2006, Report 126	rolled earthfill	197	completion of dam 5 and spillway embankment			uncontrolled	right abutment	528	950	3423	330 NID 2006, Report 126
Grapevine Lake					95 69	95 Final 2002 WAMs for	the Trinity, Trinity-San Jacinto, and Ne	cwater supply, recreation, flood control	earthfill	588	12850	137	28	NID 2006, Report 126		1984, 1986	modification, spillway modification			uncontrolled	right of the dam	560	500	182,5	500 Report 126
Greenbelt Lake							1 square miles is probably non-contrit		earthfill	2686	5800	0 110 (report 126);		NID 2006, Report 126	wetted and rolled embankment					uncontrolled		2674	1450		545 NID 2006, Report 126
Galveston County Reservoir					1	NID 2006		industrial	earthfill	25	25281	1 14		NID 2006	homogenous earth dam					none					
Halbert, Lake	dead pool storage	is assumed. TWDB	survey report does not speci		12	12 Report 126 Ru	noff is supplemented by pumping wat	e water supply	earthfill	375	2780	49		NID 2006, Report 126						none				T	
Hords Creek Lake	ated from the origi	nal rating curve			48	48 December 2001 WAM	Final Report by R. J. Brandes Comp.	ar water supply, recreation, flood control	earthfill	1939	6800	91	24	NID 2006, Report 126	rolled earthfill	198	embankment 5 widened			uncontrolled	saddle on right b	1920	500	608	800 NID 2006, Report 126
Houston County Lake							the Trinity, Trinity-San Jacinto, and Ne		earthfill	277	1250	63		NID 2006, Report 126	wetted and rolled embankment						Right end of dam	265	500	381	150 NID 2006, Report 126

General	Reservoir	Reservoir	Reservoir	General	General	General	General	General		Structural	Structural	Structural			Structural	Structural	Structural	Structural	Structural	Structural Emergency	Structural Emergency	Structural	Structural Emergency	Structural	Structural
Name Name	Other Info Other Surveys	Other Info	Other Info  Modification(s) to	Drainage  Total Drainage	Drainage  Contributing Drainage	Drainage Source Drainage	Drainage  Comments Drainage Area	Purpose  Main Purposes	Dam General	Top of Dam	Dam General  Dam Length	Dam General  Dam Height	Dam General	<u> </u>	Dam General  Comments Dam General	Dam Modification Year(s) of	Description of	Dam Modifications Source	Dam Modifications  Comments	Spillway	Spillway	Emergency	Spillway	Emergency Spillway  Maximum Emergency Spillway Discharge Capacity (cfs)	Emergency Spillway  Source Emergency
Name	Other Surveys	Surveys	Conservation Storage	Area (mile²)	Area (mile²)	Area	Comments Dramage Area	maiii Pulposes	Daili Type	(feet)	(feet)	(feet)	(feet)	General	Comments Dam General	Modifications	Modifications	Modifications	Modifications	Spillway Type	Location (	eet above MSL)	(feet)	(cfs)	Spillway Information
Houston, Lake				2,82	28 2,828	8		water supply, recreation, industrial, irrigation	earthfill	62.3	1209	7 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				1,10	07			water supply, industrial, minimg	earthfill	1208	1515	0 112		NID 2006, Report 126	wetted and rolled embankment	199	spillway basin 34 modified	NID 2006		uncontrolled	near left end of da 11	94.0; 4,000 ft fuse	2000	48038	37 NID 2006, Report 126
Hubert H Moss Lake				6	65			water supply, industrial		740 and 741	146				wetted and rolled embankment soil foundation, homogenous earth					uncontrolled	near left end of da	725	400	11485	58 NID 2006, Report 126
Imperial Reservoir								water supply	earthfill		1120			NID 2006 NID 2006,	dam					none					NID 2006
Inks Lake				31,86	68 620	0 Report 126, Decer	11900 square miles is probably noncontri	recreation, hydroelectric	gravity	922	1457.	5 96.5 (Report 126)	16.5	Report 126	Concrete Gravity					uncontrolled		888.3	871	120769	97 Report 126, NID 2006
J B Thomas, Lake				3,52	24 1,018	8 Report 126	JJR: 2,590 miles is probably noncontribut		earthfill	2280	1450		28	NID 2006, Report 126 NID 2006,	wetted and rolled embankment					uncontrolled		2,264 ft, 2) 2,267.(1	) 500 ft, 2) 1,600 ft		00 NID 2006, Report 126
Jacksonville, Lake				3	34	NID 2006		water supply, recreation	earthfill	438	270	0 72 (Report 126);	16	Report 126		198	37	NID 2006		uncontrolled	Right end of dam	431	350	2658	88 NID 2006, Report 126
Jim Chapman Lake				47	76 476	6 NID 2006, Report	JJR: Above USGS streamflow gauge on S	water supply, recreation, flood control	earthfill	464.5	2807	2 78.5	30	NID 2006, Report 126	rolled earth fill					uncontrolled	right abutment	446.2	700	13470	00 NID 2006, Report 126
																				uncontrolled					
Joe Pool Lake		L		23	32 235	2 Final 2002 WAMs	for the Trinity, Trinity-San Jacinto, and Ned	water supply, recreation, flood control, fish/wildlife	earthfill	564.5	2434	0 108.5	30	NID 2006	rolled earthfill	1989, 2004	embankment repai	NID 2006		limited service	embankment stat	541	50	1190	00 NID 2006
														NID 2006.	4" concrete slab on U/S face from elev 272 to 290, wetted and rolled										
Johnson Creek Reservoir	is diverted by pum	ps for cooling		1	11	Report 126	Water may be purchased from Lake O' th	industrial	earthfill	296	253	0 60		Report 126	embankment (JCM's list of engr assignments on dams)	none				uncontrolled	right of dam	286	300	1463	39 NID 2006, Report 126
Kemp, Lake				2,08	86	NID 2006		water supply, irrigation	earthfill	1183	889	0 115	top width at ou	NID 2006, Report 126 NID 2006,		196	rebuilt dam	Report 126	completion in 1973	uncontrolled	right side of dam	1160	3000	53430	00 NID 2006, Report 126
Kickapoo, Lake				27	75	NID 2006		water supply, flood control	earthfill	1062	820	0 62 (Report 126); (	16	Report 126	earthen					none					
Kirby, Lake				4	44	NID 2006		irrigation	earthfill	1795	420	0 50	20	NID 2006, Report 126						uncontrolled	Western side of th	1790.9	6500	10400	00 NID 2006, Report 126
Kurth, Lake	is pumped. No out	tlet works			4	NID 2006	Off-channel storage by pumping makes th	industrial	earthfill	206	860	0 37 (Report 126);	16	NID 2006, Report 126	earthfill levee					none					
														NID 2006,			Embankment raise	d							
Lavon Lake	ital conservation vo	lume before update	ed is 456500 acft. The update		70 770	0		water supply, recreation, flood control	earthfill	514	1949	3 81	30	Report 126	wetted and rolled embankment,		70 and spillway	Report 126, owner	Completed in 1974	controlled	right end of dam	475.5	480	35770	00 NID 2006, Report 126
Leon, Lake				25	52			recreation, municipal, industrial	earthfill	1398	370	0 90	20	NID 2006, Report 126	U/S face slope is 2.75:1, D/S face slope is 2.25:1 (slopes per owner)	1982 (D/S slide re	ра	owner		uncontrolled	north or left end o	1382	1200	23036	87 NID 2006, Report 126
Lauria Carala Bararania	dood nool storons		e there is no outlet work		4 Halmania hasisallu alant a	Daniel 126	JJR: Water will be purchased by contract	hudro de diffe	earthfill	274	1202	6 60 ft at 3rd and 4t	40	NID 2006, Report 126											
CONS CIERLINGS I VOII	dead poor storage i	s assumed because	e tiele is no odder work		W Olikilowii - basically plant p	NITREPORT 120	port. Water will be purchased by contract	пушовесть	earunin	219	1203	o do it at sid and w	10	Troport 120		none				nore					
Lewisville Lake				1,66	60 96	8 Final 2002 WAMs	for the Trinity, Trinity-San Jacinto, and Nec	water supply, recreation, flood control, fish/wildlife, hydroe	l earthfill	560	3288	8 125	20	NID 2006, Report 126	length includes spillway	197	modified embankment, 79 upstream berm	NID 2006, owner		uncontrolled	left abutment	532	560	15712	20 NID 2006, Report 126
Limestone, Lake				67	75 679	5 NID 2006		water supply, recreation, industrial, irrigation	earthfill	380	910	0 78	20	NID 2006						uncontrolled	east of dam (left of	370	3000	11416	60 NID 2006
														NID 2006,											
Livingston, Lake  Loma Alta Lake			16583	per USGS	7,08	1 NID 2006 Report 126	Water is diverted from the Rio Grande wh	water supply, recreation  Store water diverted from the Rio Grande (Permit 1838)	earthfill earthfill	145	1440	0 45' to 60', 90' in ri		Report 126 Report 126	earthfill with concrete spillway earth dike					none					l
							,	TO State ( State 100)				10			10 000000										
Lost Creek Reservoir				2	29 25.6	6 NID 2006, Final 20	02 WAMs for the Trinity, Trinity-San Jacin	water supply	earthfill	1028.9	225	0 99		NID 2006, Repo	0					uncontrolled			1200		0 NID 2006

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose		Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam General		Structural  Dam General	Structural  Dam Modifications Da	Structural m Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway
Name	Other Surveys	Source Other Surveys	Modification(s) to Conservation Storage	Total Drainage Area (mile²)	Contributing Drainage Search Area (mile <sup>2</sup> )	ource 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 D Modifications M	Description of Modifications	Source Modifications	Comments Modifications	Emergency Spillway Type	Emergency Spillway	Emergency Spillway Elevation (feet above MSL)	Emergency Spillway Width	Maximum Emergency Spillway Discharge Capacity (cfs)	Source Emergency Spillway Information
																soil	cement								
Lyndon B Johnson, Lake				36,82	23 5,000 NI	ID 2006, Report 1	11,900 square miles is probably non cont	water supply, recreation, industrial, hydroelectric,	earthfill	838	5491.4	1 118.29	26	NID 2006, 6 Report 126	Concrete and Earthfill	over	rtopping lection, anchored overflow section			none					
Mackenzie Reservoir Manor Lake				18	88 NI	ID 2006		water supply, industrial	earthfill	3126	3280	174 (Report 126)	;20 ft + soil cer	NID 2006, rr Report 126	wetted and rolled embankment					uncontrolled	right end of dam	3110	800	77900	NID 2006, Report 126
														NID 2006,	concrete with crest gates. 98.8 ft to top of control piers, length										
Marble Falls, Lake				36,32	25 35 NI	ID 2006, Report 1	11,900 square miles is probably non cont	water supply, recreation, hydroelectric	concrete	766	860	98.8		Report 126	includes the powerhouse	2003 and	hors	owner	no specific modificat	none					NID 2006, Report 126
Martin Lake				13	30 130 M	arch 2005 Martin	Lake Dam EAP	industrial	earthfill	321.5	6875	5 61 ft( Report 126	) 20	NID 2006, 0 Report 126	earthen impervious clay core					uncontrolled	left of the dam	312	1000	45300	NID 2006, Report 126
Medina Lake				63	34 Re	eport 126		water supply, irrigation,	concrete	1076.2	1580	164	25	NID 2006, 5 Report 126	gravity concrete structure					none					
Meredith, Lake			15140	0 (9090 below Conchas, 6050 be	eld 16,048 Re	eport 126	4,172 square miles noncontribting	water supply, flood control, municipal, industrial	earthfill	3011	6380	228	40	NID 2006, 0 Report 126						controlled	left abutment				Report 126
Millers Creek Reservoir				22	28			water supply, industrial, mining	earthfill	1355	9250	75	20	NID 2006, 0 Report 126	earthen embankment					uncontrolled	upstream from lef	1340	3000	375000	NID 2006, Report 126
																spill over	1 raised lway, 1972 free rfall secondary lway, 1975								
														NID 2006,		prim disc 1990 DOT	hary spillway charge apron, 3 state of texas T roadway								
Mineral Wells, Lake Mitchell County Reservoir	r supply diversion i	s pumped from lake	e as indicated by reservoir pla	1		ID 2006, Report 1	126	water supply water quality	earthfill earthfill	873.9 2213	4850	73.9 (Report 126	) 20	NID 2006	soil foundation, earth core dam	1921, 1972, 1975, 1 repli	acement	owner		uncontrolled		2201	252	19608	NID 2006
Monticello Reservoir	is sumed for socili				200			industrial	earthfill	252	320		40	NID 2006, 0 Report 126	impervious clay core					antrolled	sinh of the dom	343.5	1000	38000	NID 2006, Report 126
Monuceno Reservoir	is pumed for cooli	·g			30			industrial	earmiii	352	320	J 54	41.	, Report 120	Impervious day core	gate	original tainter			uncontrolled	right of the dam	343.3	10001	38000	ND 2000, Report 120
Mountain Creek Lake	dead pool storage	s assumed becaus	e it is a cooling pond	29	95 71			industrial	earthfill	467	8200	) 47	16	NID 2006, 6 Report 126	earthfill with concrete spillway	to ra max leve	aise the normal kimum operating al from 457 ft msl 58 ft msl			none					
Murvaul, Lake				11	15			water supply, recreation	earthfill	280	8300	3 46	10	NID 2006, 0 Report 126	soil foundation, earth core					none					
Nacogdoches, Lake				8	89 NI	ID 2006		water supply, recreation	earthfill	303	4350	75			homogenous earth dam					uncontrolled		286.1	500	50160	NID 2006
Nasworthy, Lake				3,83	33 2,920 Re	eport 126	3,724 sqaure miles is above Twin Buttes	water supply, recreation	earthfill	1883.5	5480	50 (Report 126),	4 20	NID 2006, 0 Report 126	earthfill					uncontrolled		1,879.1 (300') and 1	300 and 600 ft (Rep	659064	NID 2006, Report 126
Navarro Mills Lake				32	20 320 Fi	nal 2002 WAMs t	for the Trinity, Trinity-San Jacinto, and Neo	water supply, recreation, flood control	earthfill	457	757(	82	20	NID 2006, 0 Report 126	earthfill with gated spillway					controlled	Left end of dam	414	240	224000	NID 2006, Report 126
														NID 2006,		Ince	ease height of n and change								
New Terrell City Lake	d pool elevation is	489, then the dead	pool storage is 800 acf	1	14 NI	ID 2006		water supply, recreation, fire/stock	earthfill	514.2	4900	45 (Report 126);	4 14	Report 126		1969 spill	lway	Report 126		uncontrolled	near right end of (	509.8	500	22468	NID 2006, Report 126
North Fork Buffalo Creek Reservoir				3	33 Re	eport 126		water supply	earthfill	1056.3	464	47 (Report 126)		NID 2006, 4 Report 126	outhfill dam and exercise side					uncontrolled	near left end of da	1050	600 (Report 126), 6(	34271	NID 2006, Report 126
North Lake					3 3 NI	ID 2006, Report 1	Runoff is supplemented by pumping wate	industrial	earthfill	515	7146	65	12		earthfill dam and concrete side channel spillway	wav	ve wall added	FNI files		none					
O C Fisher Lake				1,51	1,383 De	ecember 2001 W	AM Final Report by R. J. Brandes Compar	water supply, flood control	earthfill	1964	4088	128		NID 2006, 0 Report 126	rolled earth fill	1961 repa	air of riprap	NID 2006		uncontrolled	south of the emba	1938.5	1150	356200	NID 2006, Report 126

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose	Structural  Dam General		Structural  Dam Genera	Structura al Dam Gene		Structural	Structural al Dam General	Structural  Dam Modifications D	Structural  Dam Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural Emergency	Structural Emergency	Structural Emergency Spillway	Structural Emergency	Structural Emergency Spillway	Structural 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	Dam Lengti (feet)		1	1		Year(s) of	Description of Modifications	Source Modifications	Comments	Spillway  Emergency Spillway Type	_ Spillway	_	- Spillway		
O H Ivie Reservoir				12,647	7 12,647	7 NID 2006, December 2	2001 WAM Final Report by R. J. Brand	water supply, recreation	earthfill	1584	15	950	148	NID 2006					structural	controlled		1562	0		0 NID 2006
														NID 2006,											
O' the Pines, Lake Oak Creek Reservoir				880	4 235	NID 2006	Final Report by R. J. Brandes Compar	water supply, recreation, flood control, water qu	uality earthfill	277		1800		NID 2006, 36 Report 126							left end of dam	249.5	200 800 (Report 126); 1		8200 NID 2006, Report 126 2300 NID 2006, Report 126
our oreer recentain					-	S S S S S S S S S S S S S S S S S S S	Time report by N. S. Standes Compan	water cappy, including	Caranin	2514			30	Nopoli 120	Planning: lakecooper1954,lakeolney1935Pla nning:					incontrolled	THE STATE OF THE S	2000	555 (Nopoli 125), 1		2000, Napol 120
Olney / Lake Cooper, Lake				10	3	NID 2006		water supply, recreation	earthfill	1162.3	2:	508 Lake Cooper	19 fi	NID 2006	lakecooper1155,lakeolney1158,lak eolneyspillway1148Planning: lakecooper2108ft,lakeolney1400ft	19	971: Completion of hase III of		ı	incontrolled		1154	Lake Cooper 500 ft,		0 NID 2006
																rec fro 25	onstruction of eservoir enlarging om 6800 acres to 5,560 acres								
																ch mi 20	996: Spillway nute weephole lodifications 001: Erosion rotection (add 36"								
Palestine, Lake				839	9 unknown	Report 126, owner		municipal, industrial, irrigation, domestic	earthfill	364		5720	75 20 to 21.3 ft			1971, 1996 and 200 sp	orap behind	Owner	Outlet structure was						
	lated using rating of	urve in T drive base	d the 2828 elevation on rese	614	440	0 NID 2006		water supply, recreation	earthfill	2943		255		NID 2006,	rockfill earth dam				_	incontrolled	right abutment	2915	600	237	7500 NID 2006
Palo Pinto, Lake				100	0			water supply	earthfill earthfill	753		1900		NID 2006, Report 126	wetted and rolled embankment earthfill	1965, 1994 19	965: Enlargement	NID 2006, Report 12	16	incontrolled	Right end of dam	744	500 (Report 126); 6	99	9580 NID 2006, Report 126
Pat Mayse Lake				175	5	Report 126		water supply, industrial	earthfill	488.5	70	'080	96 3	NID 2006, Report 126						ıncontrolled	right of the dam	477	100	4	4450 NID 2006, Report 126
																	mergency spillway								
Peacock Site 1A Tailings Reservoir					2	NID 2006		tailings	earthfill	435	21	2000	121	NID 2006 FNI files	earthen embankment	mi ch	ods. 8' wide nannel, 4' culvert	NID 2006		incontrolled	right side of reser	400	200 originally 8' cha		2540 NID 2006
Pinkston Reservoir				14	4	NID 2006		water supply, flood control	earthfill	311.2	2	1600	64	NID 2006 NID 2006,	homogenous earth dam  Ambursen-type, buttress with flat-	ga	allast, stabilization ate rehab, E/S and			incontrolled		308.6	250		5620 NID 2006
Possum Kingdom Lake				23,596	6 14,030	0 NID 2006		water supply, industrial, hydroelectric, irrigation	, mining concrete slab			740 189 (Report 1		.8 Report 126 NID 2006,	slab deck and an earthen dike.	1994 ex		NID 2006		incontrolled	right side of dam	1000	1400		3000 owner
Proctor Lake				1,268	5 1,265	5		water supply, recreation, flood control	earthfill	1206	13	8460	86 3	30 Report 126	concrete spillway	1964		NID 2006		controlled	abutment at the ri	1162	440	431	1800 NID 2006, Report 126
																ins	stallation of								
Ray Hubbard, Lake				1,07	1 301	1 Owner		water supply	earthfill	450	12	2500	68 2	NID 2006, Report 126		hy	ydrostatic pressure batement pumps	NID 2006	ı	none					
																rei	elief wells and								
Ray Roberts, Lake				692	2 676	6 Final 2002 WAMs for t	he Trinity, Trinity-San Jacinto, and Nec	water supply, recreation, flood control, fish/wild	life, water qi earthfill	665	14	1980	141 4	46 NID 2006	rolled earth fill	1990 sy	eepage collector ystem I	NID 2006		incontrolled limit	teright abutment	645.5	100	14	4500 NID 2006
Red Bluff Reservoir				20,720	0	NID 2006		irrigation, hydroelectric power	earthfill	2856	9.	1230 102 (Report 1	26); 2	NID 2006, Report 126						incontrolled	right of the dam	2844.7	790 (Report 126); 1:	389	9749 NID 2006, Report 126
Red Draw Reservoir					3 3	3 NID 2006		industrial, water quality	earthfill	2452	11	600	72	NID 2006	homogenous earth dam soil foundation, earthen					incontrolled		2446.8	450		0 NID 2006
Richland-Chambers Reservoir				1,957	7 1,375	5 Final 2002 WAMs for t	he Trinity, Trinity-San Jacinto, and Nec	water supply, recreation	earthfill	330	31	000	96	NID 2006	embankment (JCM's list of engr assignments on dams)					controlled		324.5	0	600	0000 NID 2006
River Crest Lake	tlet works because	of cooling pond		(	0	NID 2006 Wa	ter is pumped from the Sulphur River	industrial	earthfill	335	14	5770	23	NID 2006, 10 Report 126	earthfill, three sided dike					none					
																sp	prap repair, pillway								
Sam Rayburn Reservoir				3,448	9 3,449	9		water supply, recreation, flood control, hydroele	ectric, fish/w earthfill	193.6	16	5190	120	NID 2006, 42 Report 126	length includes embankment and dikes	1982, 1994-1996 fre	eeboard restoration op of dam raised	NID 2006		incontrolled	left of dam	176	640	244	4500 NID 2006, Report 126
Santa Rosa Lake	used is pumped d	irectly from the lake		336	6	NID 2006		irrigation	earthfill	1178	2	2400 41 (Report 12	6); 4	NID 2006, 15 Report 126 NID 2006,	wetted embankment in layers	en	.5 feet and mergency spillway dded on the south	Owner		incontrolled	2 emergency spill	1169.5 spillway on ri	200 (Report 126); 1:	165	5541 NID 2006, Report 126
Smithers Lake	r is diverted by pur	nps.		24	4	Report 126 Ru	noff is supplemented by water purchas	flood control, industrial	earthfill	71	3	18 (Report 12	6); 1	12 Report 126					<u> </u>	none					

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose		Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam General		Structural  Dam General	Structural  Dam Modifications Da	Structural am Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural Emergency Spillway	Structural 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 [	Description of Modifications	Source Modifications	Comments Modifications	Emergency Spillway Type	Emergency Spillway Location	Emergency Spillway Elevation (feet above MSL)	Emergency Spillway Width	Maximum Emergency Spillway Discharge Capacity (cfs)	Source Emergency Spillway Information
														NID 0000											
Somerville Lake				1,00	06 1,00	06 NID 2006		water supply, recreation, flood control	earthfill	280	20210	0 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	28600	0 NID 2006, Report 126
South Texas Project Reservoir				1	11	0 NID 2006		industrial	earthfill	66	65508.96	6 51		NID 2006	soil foundation, earth core dam					controlled		49.5	24	120	0 NID 2006
Squaw Creek Reservoir				6	64		pump water for Brazos	industrial	earthfill	796	4690	0 159		NID 2006	soil foundation, rockfill earth core dam					uncontrolled	left end of dam	783	2200	8712	8 NID 2006
																Div	lifornia Creek ersion Dam estructed at effuence of Paint								
																Cre Cre pur	eek and California eek, water is nped from this								
Stamford, Lake				36	60	NID 2006, Report	126	water supply, recreation	earthfill	1436.8	3600	0 78 (Report 126);		NID 2006, Report 126	wetted and rolled embankment, rock fill	dive Sta	ersion dam into imford Dam			uncontrolled	Right end of dan	1425.8	600	13450	0 NID 2006, Report 126
Stillhouse Hollow Lake				1,31	18 1,31	18 NID 2006		water supply, recreation, flood control	earthfill	698	15624	4 200	42	NID 2006, Report 126	length includes spillway and dike					uncontrolled	right end of dam	666	1650	67350	0 NID 2006, Report 126
Striker, Lake	r is pumped out. No	o other outflow world	s lower than spillway	18	82	Report 126		industrial, recreation	earthfill	309	2400	0 42 (Report 126);			length includes spillway, wetted and rolled embankment (JCM's list of engr assignments on dams)					uncontrolled	Right end of dan	294	600 (Report 126); 6	13000	0 NID 2006, Report 126
Sulphur Draw Storage Reservoir				25	58 25	58 NID 2006		water quality	earthfill	2549	7113	3 33		NID 2006	soil foundation, earth core dam					uncontrolled					
				_										NID 2006,	length includes service spillway, wetted and rolled with uncontrolled ogee (JCM's list of	inst to r	foot I beam talled in spillway aise lake level								
Sulphur Springs, Lake	is pumped from is	ke for municipal wa	ter supply	e	66	NID 2006		water supply, recreation	earthfill	474	6232	2 44 (Report 126);	20	Report 126	engr assignments on dams) n	not provided by own two	teet	Owner		uncontrolled	left end of the da	rj 462	275 (Report 126); 8(	4980	0 NID 2006, Report 126
Sweetwater, Lake				10	04			water supply, recreation	earthfill	2128.5	2600	0 50 (Report 126); (	20	NID 2006, Report 126	wetted and rolled embankment					none					
																(19	llway anchoring 90), 1st berm								
Tawakoni, Lake				75	56 75	66 April 2005 Iron Bri	dge Dam EAP	water supply	earthfill	454	29560	0 85	23.33	NID 2006, Report 126	earthfill with concrete spillway, legnth includes spillway 1	1990, 1985, 1988 ber	rk (1985), 2nd m work (1988)	owner		none					
														NID 2006, Palmetto Bend											
Texana, Lake	tead pool storage	was calculated in 19	92 by US Depart of Interior. S	1,40	D4	NID 2006		water supply, recreation, municipal, industrial	earthfill	55	41712	2 58		Project 1963 (INT-MISC1963 06)	3-					none					NID 2006
Texoma, Lake	nactive pool is 1,04	19,000 acft. The dea	d pool is 3,887 acft which is f	39,71	19 33,78	33 NID 2006	5,936 square miles is probably non-contri	water supply, recreation, flood control, hydroelectric	earthfill	670	15200	0 165	40	NID 2006, Report 126	earthfill with concrete spillway					none					
														NID 2006,	earthfill , main dam and 2 saddle										
Toledo Bend Reservoir	acft is dead pool s	torage, while the hy	dropower storage is 2,922,80	7,19	90	NID 2006		water supply, recreation, hydroelectric	earthfill	185	11200	0 122 (Report 126):	25	Report 126	sections					none					
															earthfill and gravity NID 2006,										
Lady Bird Lake					0	NID 2006		recreation, municipal, industrial, irrigation	earthfill	460 Crest Elevati	760	0 65			rock and soil foundation length includes service spillway, height from stream bed (Report 126), earthen (JCM's list of engr					uncontrolled	south embankme	434	64	8000	0 NID 2006
Tradinghouse Creek Reservoir	ng pond without lo	w outlet works		3	39	39 March 2005 Tradii	nghouse Creek Dam EAP	industrial	earthfill	456	7600	0 60	20	Report 126	assignments on dams)					uncontrolled	Right abutment	450	1500	7323	9 NID 2006, Report 126
Travis, Lake				38,13	30 27,38	52 NID 2006, Decem	11,900 square miles is probably non-cont	water supply, flood control, hydroelectric	concrete	750	7098	8 278	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 c	ooling ponc		0	Report 126	Water is pumped from Trinity River	industrial	earthfill	287	12000	0 20 (Report 126);	Variable 15 to	NID 2006, Report 126	earthfill dike					none					
Twin Buttes Reservoir				2,81	13 2,81	13 NID 2006, Report	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 NID 2006, May	rolled earth fill	1997 cut	-off wall installed	Owner		uncontrolled	near left end of o	1969.1	200	4730	0 NID 2006, Report 126
Twin Oak Reservoir	ng pond.			4	45 4	15 May 2007 Twin O	ak Dam EAP	industrial	earthfill	414	7800	0 56	20	2007 Twin Oak	RGS: soil foundation, homogenous earth dam					uncontrolled	Right end of dan	407	1500	4880	0 NID 2006
Tyler, Lake				4	45	Report 126		water supply	earthfill	390 - 391.5	4708	8 50 (Report 126)	20	Report 126						none					
Upper Nueces Lake	d with Wagner on 7	7/13/06 and was told	the storage was recently est	2,16	60	NID 2006		irrigation	earthfill	598	550	0 60	20	NID 2006, Report 126 NID 2006,	1	1957 (Report 126) 1 195	57: Spillway	NID 2006		uncontrolled	upstream of dam	606	320 (Report 126), 2		0 NID 2006, Report 126
Valley Lake	y Lake is for indust	rial use, and the de	ad pool is assumed to be zero		8	Report 126	Main water supply is pumed from the Red	industrial	earthfill	617.5	2770	0 55	20	Report 126						uncontrolled		612	200	460	NID 2006, Report 126

General Name	Reservoir Other Info	Reservoir Other Info	Reservoir Other Info	General Drainage	General Drainage	General Drainage	General Drainage	General Purpose		Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam General	Structural  Dam Modifications	Structural Dam Modifications	Structural  Dam Modifications	Structural  Dam Modifications	Structural Emergency	Structural Emergency	Structural Emergency Spillway	Structural Emergency	Structural Emergency Spillway	Structural 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	Spillway  Emergency Spillway Type	Spillway  Emergency Spillway Location	Emergency Spillway Elevation (feet above MSL)	Spillway  Emergency Spillway Width (feet)	Maximum Emergency Spillway Discharge Capacity (cfs)	Source Emergency Spillway Information
										(lock)							added additional				Location	(loct above moz)	(100.)	(0.0)	
																	material for embankment stabilization, lime stabilized 3 slide								
Victor Braunig Lake	utlet works and zero	dead pool storage	is assumer	ξ		Report 126		recreation, industrial	earthfill	516	964	7 80	18	NID 2006, Report 126		not provided by own	areas (shallow slope	owner	owner did not specil	fnone					
Waco, Lake		ļ	raised water level	1,652		52 per owner		water supply, recreation, flood control	earthfill	514.6 (top of para	1738	1 140	20	NID 2006, Report 126 NID 2006.	earthfill with concrete spilway	1998-2000	raised crest and parapet wall			controlled	center of dam	465	560	683000	00 NID 2006, Report 126
Walter E Long, Lake				9		9 December 2001 W	/AM Final Report by R. J. Brandes Compar	industrial	earthfill	563	639	0 83		Report 126			spillway added Roller compacted			none					NID 2006, Report 126
.Waxahachie, Lake				30	3	31 NID 2006		water supply	earthfill	541.5 top of emb	380	0 66 (Report 126),	ę 18	NID 2006, Report 126	length includes spillway	1998	concrete placed in stairstep configuration on D/S 5 slope	Owner, FNI files	overflow spillway ad	d uncontrolled	center of dam	531.5	1400	56521	21 NID 2006, Report 126
Weatherford Lake				109	10	09 May 2007 Lake We	eatherford Dam EAP	water supply, recreation, irrigation	earthfill	914	405	5 75	5 20	NID 2006, Report 126	wetted and rolled embankment, concrete spillway	1990	raised dam and 3 extended spillway	NID 2006, Owner		uncontrolled	Right end of dam	section 1: 903.0; sec	section 1: 500 ft, see		NID 2006, Report 126, May 2007 Lake Weatherford Dam EAP
															soil foundation, upstream facing concrete dam, soil cement on U/l face from elev 310 to 335, wetter	S									
Welsh Reservoir	questioned accuracy	of this survey bec	cause TWDB was unable to s	21		NID 2006		industrial	earthfill	335	472	0 60.5	20	NID 2006	and rolled embankment (JCM's list of engr assignments on dams					uncontrolled	right of dam	326	1500	40500	00 NID 2006, Report 126
White River Lake				172	,			water supply	earthfill	2385	330	0 84 (Report 126);	8 30	NID 2006, Report 126	wetted and rolled embankment					uncontrolled	Right end of dam	2384	1100	91120	20 NID 2006, Report 126
																	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								
														NID 2006, Report 126,			fill has since been topped with 6" of asphalt, approximately 10'								
White Rock Lake				100	10	00 Final 2002 WAMs	for the Trinity, Trinity-San Jacinto, and Nec	recreation	earthfill	475	210	0 40 (Report 126);		2003 inspection report	n earthfill	1978	wide for use as a	2003 inspection repo	irt	none					
Whitney, Lake				27,189	17,62	23 Report 126		water supply, recreation, flood control, hydroelectric, fish	w gravity	584 (top of concre	1769	5 159	34(embankme		concrete gravity and earthfill					none					
Wichita, Lake	ated using rating cur	ve in T drive		143	8			water supply, industrial	earthfill	987.5	625	0 23 (Report 126);	20	NID 2006, Report 126		1999	5	NID 2006		uncontrolled	right end of the d	981	400 (Report 126); 6	76300	00 NID 2006, Report 126
Winters / New Lake Winters, Lake				66	6	64 December 2001 W	/AM Final Report by R. J. Brandes Compar	water supply, recreation	earthfill	57	520	5	,	NID 2006	homogenous earth dam	1998	5	NID 2006		uncontrolled		1796	640	102236	96 NID 2006
Worth, Lake	dead pool storage is	assumed. TWDB s	survey report also does not s	2,064	2,04	47 Report 126	runoff is supplemented by releases from L	water supply, recreation	earthfill	606.3	320	58 (NID 2006); 50 (Report 126)	varies from 10	plans	wetted and rolled embankment	1996	6 raised dam	NID 2006		uncontrolled	Right of dam				T
Wright Patman Lake				3,443	3,40	00 book of COE dams		water supply, recreation, flood control	earthfill	286	1864	0 100	30	NID 2006, Report 126						uncontrolled	right end of dam	259.5	200	451000	00 NID 2006, Report 126
Tyler, Lake				62		Report 126		water supply	earthfill	390 - 391.5	470	0 50 (Report 126);		Report 126		1990	0	NID 2006		none					
														Volumetric Survey of Lake Graham, 1998,											Report 126, Volumetric Survey of Lake Graham.
Graham, Lake				221		Volumetric Survey	of Lake Graham, 1998	water supply	earthfill	1093.3	370	0 82	20	Report 126	wetted and rolled embankment					uncontrolled	west of Graham I	1076.3	1050		Survey of Lake Graham, 1998

All references to left and right are facing

declining to respond responded to survey, did not specify wh goes not give permission to share into a permission to share with TWDB did not respond to survey

General Name	Structural Emergency Spillway	Structural Service	Structural Service Spillway	Structural Service Spillway	Structural Service	Structural Service Spillway	Structural Service	Structural Service Spillway	Structural	Structural	Structural Gates	Structural	Structural		Structural Hydropower	Structural Hydropower	Structural S Hydropower H	Structural Struc			Structural	Structural Outlet	Structural Outlet	Structural Outlet	Reservoir Pump Stations	Reservoir Pump Stations	Reservoir Pump Stations	General
Name	Comments Emergency Spillway Information	Spillway		Service Spillway Elevation (feet	Spillway	Maximum Service Spillway Discharge Capacity (cfs)	Spillway Source Service Spillway Information	Comments Service	Type of Gates	Number of	Maximum Gate Release Capacity (cfs)	Source Gates	Comments Gates	Hydropower (Y/N)	No. of Hydropower Units	Generation Capacity (MW)	Source C		Elevati f Outlet Outlet V	on of Vorks Discharge Capacity of Outlet Works (cfs)	Elevation of Water	Discharge Capacity of Water Supply Outlet in Dam (cfs)		Comments Outlets	Location of Reservoir Water Supply Outlets	Source Water	Comments Water Supply	On or Off Channel (ON/OFF)
Abilene, Lake	Secondary Emergency Spillway, Natural Earth (with earthplug)	uncontrolled	Near left end of dam		281 (NID 2006); 250 (Report	36200	NID 2006, Report 126	Concrete overflow spillway	none					N			NID 2006	slide(sluid		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 I reported as inoperable. flour gates in gated tower at left			on	1
Alan Henry Reservoir	Earthen	uncontrolled	right end of dam	2220	40	34788	Volumetric Survey 2005	Concrete					fixed gate	N			NID 2006	slide(sluid	2205, 211 ce) 2140	5,			Original construction	abutment, one 54*x96* at 2205, 54*x96* at 2115, and 2-54*x96* at 2140, discharge through two separate round p conduits (42* and 30*)			on	,
	Cauren	dicontolled	ngit end or dam	2220	40			normal pool elevatio at 468.5, controlled	n				each gate 33' by 20'; top				NID 2000	SIGE(SUI)	2140				Original constitution	yourous (v. an ob)			O.	
Alcoa Lake		controlled	near center of dam	448.5	66	28706	Report 126	by 2 tainter gates	tainter(radial)	2		NID 2006	of gates elevation 468.75	N			NID 2006	none						U.S.: 5 penstocks, each 14.5 diam.,			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 Me	2 plants 80MW eac	Report 126 Rep	ort 126 saysother	U.S.: 930 Mexico: 9	55.2			Report 126	inlet elev 930 ft msl; Mexico: 4 penstocks, each 15.75' diam., inlet elev 965.2 ft msl	v		on	1
					040		Report 126	rectangular drop inlet; discharge conduit - 72"											879.48, 8	4.60,				Outlet Works: raw water intake tower (reinforced concrete structure containin withree 24" sluice gates), 24" reinforced concrete tepic and outlet structure (outlet structure controlled by 2-24" butterfly valves with handwheel operators and these releases water through a series of baffles to a sharp crested weir, Water Supply. 36" square sluice gate on principal spiliway tower with an inverted evaluation of 915.	on top of open	D		
Amon G Carter, Lake	cut through saddle	uncontrolled		920	240		Volumetric	concrete pipe  Concrete Slab second sjort spillway [lowered lake to 4 fee	none			NID 2006		N			NID 2006	slide(sluk	906.40		912	12	9 Report 126	with an invert elevation of 912	in the lake	Report 126	on	
Anahuac, Lake		uncontrolled		5	700		Report 126	msl	none			Survey, NID 2006		N			NID 2006	slide(sluid	ce)	14	0		Volumetric Survey	pumping plant Outlet Works: 1 gate-controlled conduit 10' diameter, 2 service and 2 emergency 4.5x10' manually-operated gates; Low-Flow Outlet: 1-1' diameter pipe emptying into flood control conduit controlled by 1' sluice gate at invert ele	ı t,		off	
Aquilla Lake	Concrete ogee weir	none			32 ' diameter at			morning glory, circular drop inlet;	none					N			NID 2006	slide(sluid	ce)	503 29	0 505	2	Volumetric Survey, or	vertical concrete well, 29' by 29'; water supply inlet: 2 conduits, 4' by 4'; 2 pump discharge pipes to treatment plant; low livo outlet: 24' valve			on	
Arlington, Lake	cut through natural earth	uncontrolled	near right end of the dam	550	crest, 10' conduit 1535 (NID 2006); 1581 (Report	3700	Report 126	10' diam discharge	none	0		Report 126  NID 2006		N			NID 2006	valve		493.67				controlled pipe pipe plugged in 2004 of construction Cylindrical tower with two inlets at elevations 908 and 874 each 5' diam; 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 mst for municipal elevation 874 ft above mst for municipal controlled in the 8' diameter conduit with invert elevation 874 ft above mst for municipal controlled in the 8' diameter conduit with invert elevation 874 ft above mst for municipal controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and steel controlled in the 8' diameter conduit with invertigation and s			on	<u></u>
Arrowhead, Lake		uncontrolled	left end of dam	926	126)	270700	Report 126	rectangular drop	none			Report 126		N			NID 2006	slide(sluid	908 and 8	74	874		Report 126	water supply.			on	
Athens, Lake	uncontrolled section and gated section (gated section described in service spillway columns)		next to uncontrolled	440	drop inlet		Report 126	culvert 6' by 6' gated section of spillway	none tainter(radial)	9		NID 2006	5 gates 51' by 12'; 4 gates 51' by 18'; Actual vertical dimensions of gates are 14.7 and 19.85 ft	N Y	2		NID 2006, Report 126 turb	valve		396.5			Report 126	pipe water releases made through turbine operation			on	1

General Name	Structural Emergency Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Gates	Structural Gates	Structural Gates	Structural Gates	Structural Gates		Structural Hydropower	Structural Hydropower	Structural Hydropower		Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Reservoir Pump Stations	Reservoir Pump Stations	Reservoir General Pump Stations Type
Name	Comments Emergency Spillway Information		Service Spillway Location	Service Spillway Elevation (feet above MSL)	Service Spillway	Maximum Service Spillway Discharge Capacity (cfs)	Source	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	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)
	uncontrolled section and gated section (gated section described in service							gated section of																	2 conduits each 4' by 6', 2 tractor-type			
B A Steinhagen Lake	spillway columns)	controlled	ight end of dam	50	240 (net)	67000	owner	spillway, 6 tainter gates each 40'x35'	tainter(radial)	6		Report 126	gates 40' by 35'	Y	2	3.84 mW	NID 2006	sli	de(sluice)	52	1490			Report 126	gates			on
Ballinger / Lake Moonen, Lake				1668.3					none					N			NID 2006	va	lve									on
							NID 2006,																		conduit near left end, 4' by 5', sluice			
Balmorhea, Lake		uncontrolled	ight end of dam	3191	180	15121	Report 126	country	none					N			NID 2006	sli	de(sluice)					Report 126	gate			on
Bardwell Lake	broad-crested weir	none							none					N			NID 2006	sli	de(sluice)	391	3120			Report 126	10 It 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	no	ne									ON
.Baylor Lake	cut through embankment; soft plug on crest el 1825 ft	uncontrolled	ight end of dam	1820	200		1	open channel cut with 200 ft bottom width, discharge to Lake Childress	none					N			NID 2006	oti	her si	ee comment					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
																									Outlet Works: 22 ft diameter conduit with 3 inlets with 3 broome-type gates, each 7 by 22; Low-Flow Outlets: 33% gated outlet discharging into flood control conduit.	empties into outlet		
Belton Lake	ogee with 100 ft notch	none							none					N			NID 2006	oti	w	22 (outlet vorks), 656 (low	27900	540	51		Control conduit  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
Benbrook Lake  Bob Sandlin, Lake	in center at el 710 unpaved broad-crested weir		eft abutment	316.5	160 (net)	74600 (4 gates open 17	Report 126	Concrete ogee with 4 tainter gates, each 22.5' by 40'	tainter(radial)	4	74600	NID 2006 D Report 126	22.5' by 40'	N			NID 2006	Ott Slin	de(sluice)	ow outlets)		307.0 & 328.0	30		Conduit in spillway gate pier, sluice gat		owner	on

General Name	Structural Emergency Spillway	Structural Service	Structural Service Spillway	Structural Service Spillway	Structural Service	Structural Service Spillway	Structural Service	Structural Service Spillway	Structural	Structural	Structural Gates	Structural	Structural Gates	Structural Hydropower	Structural Hydropower	Structural Hydropower		Structural Hydropower	Structural	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Reservoir Pump Stations	Reservoir	Reservoir Gene Pump Stations Typ	
Name	Comments Emergency Spillway Information	Spillway Service Spillway Type		Service Spillway Elevation (feet	Spillway Service Spillway Width (feet)	Maximum Service Spillway Discharge Capacity (cfs)	Spillway Source Service Spillway Information	Comments Service Spillway Information		Number of Gates	Maximum Gate Release Capacity (cfs)	Source Gates	Comments Gates	Hydropower (Y/N)	No. of Hydropower Units	Consession	Source			Elevation of Outlet Works (feet above MSL)	Discharge Conseits of	Elevation of Water	Discharge Capacity of Water Supply Outlet in Dam (cfs)	Source Outlets	Comments Outlets	Location of Reservoir Water Supply Outlets	Source Water	Comments On or	or Off
																				-									
	cut in bank a 3.5 foot							20' by 20' drop inlet, 7' by 7' conduit,																	18" diameter concrete pipe, discharge				
Bonham, Lake	trench was cut in the center for low flows	uncontrolled	center of dam	565 ir			Report 126	discharge to pilot channel below dam	none					N			NID 2006	ot	ther	538				Report 126	to service spillway outlet, diversion - pumping direct from the lake			on	-
			about 2800' left of	C n 7	drop inlet 20' DD at crest, narrows to a r'x7' square conduit through			drop inlet with 7' by																	Gated outlet tower with 36" cast iron pipe for low flow release and water				
Brady Creek Reservoir	we originally had spillway length=425, but owner said it was		in front of dam, left	1743 d	dam		Report 126	7' concrete conduit morning glory, 16'-6"						N			NID 2006	Sli	ide(sluice)	1712				Report 126	supply, 3 sluice gates  2 each 18 inch valves in 18 inch concrete lined steel cylinder pipe, discharges into morning glory conduit -			on	$\dashv$
Brandy Branch Cooling Pond	but owner said it was 100'	uncontrolled	of spillway, 1400' from left end of dan	340 th	5'-6" conduit hrough dam	1100 at elev 348	Owner	OD at mouth reduced to 8'-6" ID	none			owner		N			NID 2006	va	alve	285.47	unknown			owner	upstream gate valve and downstream ball valve			on	-
							NID 2006,	box type concrete structure with discharge section extending through																	water is released by gated conduits to Buffalo Camp Bayou and flows by				
Brazoria Reservoir		uncontrolled	through levee	31.07	231		Report 126	the levee.	none					N			NID 2006	ot	ther					Report 126	gravity to a pumping plant  Modified Original Outlet Works: 18" and 48" steel cylinder concrete pipes controlled by valves operated from top of			off	-
			3000 ft +/- to left of					from lake to concrete ogee section, 8 vertical gates, top of gate elevation 842, discharge to												810 (new), 752 (modified					tower, invert of pipe elevation 752; Nev Outlet Works: part of service spillway wall, 60" steel pipe with entrance elbow invert elevation 810, slide gate at discharge to discharge basin at				
Bridgeport, Lake	natural ground	controlled	dam	820	90	168,000	Report 126	excavated channel	vertical lift	8	168,000	Report 126		N			NID 2006	ot	ther	original)				Report 126	elevation 810			on	
Brownwood, Lake Bryan Utilities Lake	concrete sill on natural cut	controlled	center of dam	1424.6 V	2- 48" pipe with valve		Report 126	2 concrete conduits	other slide(sluice)	1		Report 126 NID 2006	butterfly valve on 48" pipe (service spillway)	N N		1	NID 2006 NID 2006	sli	ide(sluice)	1405.5	5	1405.5		Report 126	1 concrete conduit 5' diameter	south corner dam		on	_
Diyah Oulides Lake		Controlled			130		1410 2000		side(sidice)			INID 2000	I saue, i outei				NID 2000												
				s	section 1 -			section 1 and 2 at					3 sections with 37 tainter gates, section 1 - 16 gate each 33'x15.5', section 2	-											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-	n			
Buchanan, Lake	section 4 overflow, no control		north of powerhouse		248', section 2 - 217', section 3 - 178.5'	355,000	Report 126	elevation 1005.5; Section 3 elevation 995.5	tainter(radial)	37	231,000 (total discharge through		14 gates each 33'x15.5', section 3 - 7 gates each 40'x25.5'	Y	3	3 51.3 (total)	Report 126	nc	one					Report 126	peak power demand periods. The vertical pump is driven by a 13,500 hp engine			on	
																									Once Weir mides water to shooped				
Caddo Lake		uncontrolled		168.5 and 170.5	2400	3600	NID 2006, Report 126	Floodwall (broad- crested weir)  Concrete Ogee	none					N			NID 2006	ur	ncontrolled	160.5	5	160.5		Report 126	Ogee Weir, guides water to channel after passing over spillway to stilling basin, crest length = 100' Water for power plant use is taken from			on	
Calaveras Lake		controlled	middle of dam	460	220	129914	NID 2006, Report 126	Section, 460 is crest elevation, normal pool at 485 and top of gate at 487	tainter(radial)	5		NID 2006, Repor	15 each 44' by 27'	N			NID 2006	sli	ide(sluice)	453.25	126000			Report 126	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  Corps report provided	none	approximately 3500 ft NE of left					trapezoidal natural ground with SS	none					Y	2	3.035	NID 2006	sli	ide(sluice)	775	4930			Report 126	1 conduit 10 ft diameter (1087 ft legnth) 2 slide gates each 5.66 by 10 ft 8" pipe to pump house, water is	),		on	_
Casa Blanca Lake  Cedar Bayou Generating Pond	by F. Sanchez	uncontrolled controlled	abutment	446.4	546 330		Report 126 NID 2006	2H:1V and 3H:1V	none			Report 126 NID 2006		N N			NID 2006 NID 2006		ncontrolled	not known	8" pipe, capacity not known	n/a n/a	1	Report 126 NID 2006	pumped from lake			on	_
Cedar Creek Reservoir Colorado		uncontrolled		391	8	1152	NID 2006	drop inlet	none			NID 2006		N			NID 2006	sli	ide(sluice)					NID 2006	3 slide gates			off	

The column   Column	General	Structural	Structural	Structural Structura			Structural Structural	Structural S	structural Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir Gene
State   Stat	Name	Comments	Spillway	Service Sni	Spillway	Maximum Service	Spillway Source Comments Ser	vice			Gates		No. of	T				Elevation of		1		Outlet	Outlet		Pump Stations Source Water	Pump Stations Typ  Comments On or
Part	Name	Emergency Spillway		Service Spillway Elevation (	feet Spillway	Spillway Discharge	Spillway Spillway	Type of Gates		Source Gates	Comments Gates		Hydropower					(feet above	Outlet Works (cfs)	Supply Outlet (in	Discharge Capacity of water	Source Outlets	Comments Outlets	Reservoir Water	Supply	Water Supply Locations Chan (ON/O
Market   M							chute, normal po	ol																		
Part							spillway is design so that two gates	ned will																		
Part							when the water I rises above 322, the reservoir leve	evel if I is																		
Part							325.0, and if the inflow is more th	an																		
Second Second							gates can releas additional gates	e, can			8 tainter gates each 40x2	ra														
Market   M	Cedar Creek Reservoir Trinity		controlled	discharges in	302 400	0 316821 NIE	outflow equals 8	5%	10 for the 2 automatic gates, 6:	30( Report 126	gates each 40x8.5 ft, cres	st		N	NID 2006	valv	/e	260		-		Report 126	outlet for water supply, two 24 inch valve controlled outlets for water supp	ly		on
Company   Comp	Champion Creek Reservoir	cut channel	uncontrolled	8' cut in emergency spillway	2083 50	0 Re	8' cut in emerger port 126 spillway	none		Report 126		N			NID 2006	valv	/e	2020				Report 126	control for downstream requirements, this outlet also connects to pumping			on
Company							uncontrolled con	crete															Concrete Pipe. 18 inch diameter. Gate			
Column   C	Cherokee, Lake	Cut in natural ground	uncontrolled	Left end of dam	280 828	8 Rej	port 126 structure	none		Report 126		N			NID 2006	valv	/e	260				Report 126	valve operated from a tower			on
Market   M	Choke Canyon Reservoir		controlled	crest 199.5,	top of 345	5 251760 Ow	Dam owner adde vner info	d all tainter(radial)	7	Owner	7 Tainter gates	N			NID 2006	slide	e(sluice)	136.4	202	27		NID 2006				on
Service of the control of the contro	Cisco, Lake		uncontrolled	near center of dam	1520 270	0 25600 Rei	port 126 Concrete	none		NID 2006		N			NID 2006	slide	e(sluice)					NID 2006	Plant			on
Part   Part	Clyde, Lake	Excavated area with dikes	uncontrolled				Concrete Tower, port 126 inch concrete pip	e none			rt 126					valv	/e	1842.2					pipe. To service spillway structure, Ga	tei		on
Control   Cont	Colomon Loka	Country		and a section of dom.	drop inlet 28'	Page 1	diameter at crest with 7' diameter			Depart 126		N.			ND 2006	alid	a(aluiaa)	1002.5				Danasi 126	1 Conduit 24" diameter. 3 Slide Gates	2		
AND THE PROPERTY OF THE PROPER	Coleman, Lake	Country	uncontrolled	near center of dam	717.5 dia. at crest	Kej	port 126 Outlier pipe	none		Report 126		N			VID 2006	Silo	e(sidice)	1662.5				Report 126	XZII			Off
AND THE PROPERTY OF THE PROPER																										
Company   Comp	Coleto Creek Reservoir				99	NIE	Drop inlet (doubl		8	NID 2006	7 tainter, 1 slide	N		N	NID 2006	slide	e(sluice)					NID 2006	circulated from intake well to powerpla	nt		on
Part	Colorado City, Lake	Cut in natural bank	uncontrolled	100 ft upstream 2	retangular drop	Rej	conduits 10 x 10	ft none		Report 126		N		N	NID 2006	valv	/e	2024.3				Report 126	valve-controlled, 30" diameter pipe through the dam.			on
Part	Conroe, Lake		controlled	near right end of the main dam	173 232	NIE 2 24727 Rej	0 2006, tainter gates, ear	th	5	NID 2006, Repo	40'x30', top of gates at	N			NID 2006	slide		168.5 mid outlet,	11000	00		NID 2006, Report 12	sluice gates, Two 4x6 and one 5x5. Concrete conduit, variable size to 10'			on
Property of the control of the con		Constate section 22					hoists and electr	c																		
The state of the s		gates each 37.5x8.75 ft(screw type hoists					top of gate 94 fla slab and buttress	t			spillway) top of gates at												Bunger Valve. Water flows in river			
Control   Light   Control   Contro	Corpus Christi, Lake			South end	65.5 (32.75 for		port 126 (Ambursen)	other	60	Report 126	top of gates at 94' 2 tainter gates each	N			NID 2006	slide	e(sluice)	55.5				Report 126	at elevations 55.5, 78, and 88			on
The Column of th	Creek Lake, Lake	Sand and Clay Fill	controlled	Left end of dam	each gate)plus 385 7 foot wide pier	Rej	2 tainter gates port 126 32.75x20ft	tainter(radial)	2	Report 126	32.75'x20', top of gates at elevation 405	t N		N	NID 2006	non	10					Report 126	powerplant and back to reservoir Water Supply: Gated concrete			on
See Stary 1 and 1	Crook, Lake	Uncontrolled concrete weir	none					none		NID 2006		N			NID 2006	valv	/e	456.8				Report 126	pump house below the dam. Low-Flow Pipe 18 inch diameter, valve on			on
Proceedings   Procedure   Pr					23' square drop	p _	inlet, 23x23 ft, Bo culvert 10x10 ft,	x															concrete pipe, 18 inch diameter, duplicate valves with vertical stem. To			
Section   Sect	Cypress Springs, Lake	area	uncontrolled	embankment	3/8 inlet	Re	2 horseshoe sha	ped		NID 2006	2 -18" at 1250, 1-18"at	N			VID 2006	valv	/8					Report 126	18" gated outlets at elev 1272, 1257,	es		on
Person, Lake Operation Secretary Concess Operation Secreta	Daniel, Lake	natural ground	uncontrolled	drop inlet	8 feet by 16.75 1278 feet	Rej	normal water sur	face vertical lift	4	Report 126	1257 and 1-18" at 1272 in	n N			NID 2006	othe						Report 126	Creek and diverted from a downstrear			on
Reconstruction Lake open controlled open contr	Pavis, Lake			1	401.5			tainter(radial)	2	NID 2006		N		N	NID 2006	tain	iter(radial)					NID 2006				on
RCC and Concretions Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Oversion Lake Open  Open																										
Water is released through surfaine at a generating over. Lake is maintained at generating of a	Diversion, Lake	RCC and Concrete ogee	controlled	right end of dam 1	042.4 60	0 Rej	structure, 12 gat	es slide(sluice)	12	Report 126	service spillway	N			NID 2006	valv	/e					Report 126	have been grouted a 30" pipe was	es		on
Dunlap, Lake Controlled 563.2 255 Report 126 Posenite Great of Mere 3 Report 126 Shift Y 2 4 Report 126 none Report 126 Concrete pipe 5 ft dameter of 1597 dop infect																							Water is released through turbines wh	ile at		
Cut through natural ground controlled ground controlled center of dam 1878 with gates Report 126 1878 with gates Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled southeast corner Report 126 1878 with spurped from the lake into a controlled	Dunlap, Lake		controlled		crest diameter		concrete conduit	59	3	Report 126	85x12 ft	Y	2	4 R	Report 126	non	10					Report 126	opening level by regulating power.  Concrete pipe 5 ft diameter, one 5 ft			on
2 service spillways: old spillway and new side channel spillway, old spillway: Old Spillway: Tour bays, each 25 100 feet frost feet wide, new side feet wide, new side feet wide, new side fending plans, New Concrete side Side Channel Spillway: Old Spillwa	E V Spence Reservoir	cut through natural ground			of 59' drop inle	Rej	port 126 ft diameter. 12 g 14.48x22 ft. Concrete structu	other	12	Report 126	12 gates 14.48x22 ft							1790					gated pipe and two 2 ft gated pipes to service spillway. Water is pumped from the lake into a			on
side channel spillway, old spillway: concrete opse with Old Spillway: four bays, sach 25 100 feet (not including channel spillway: piers), New spiers), New Side Channel channel ope to spiers) concrete side spiers) concrete side spiers) concrete side spiers) concrete side spiers) concrete side spiers) concrete side spiers) concrete side spiers) concrete side spiers) concrete side spiers) concrete side	agre Lake		controlled	southeast corner		Re	2 service spillwa	none /s:				N		R	ceport 126	non	ie					Report 126	canal			off
Old Spillway: four bays, each 25 100 feet (not feet wide, new side including channel spillway: Old Spillway: Concrete gales with four bays, 3 girls on concrete side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of the side of spills of spills of the side of spills of							side channel spillway, old spill concrete ogee w	way: th																		
Side Channel case to vertical lift gates, 649.1 ft					100 feet (not including		four bays, each a feet wide, new si channel spillway	de																		
Spillway: 67.5 Old Spillway: 77400. forebay discharging (rms) New Spillway: 6				Spillway Levee	Side Channel Spillway: 67.5	Old Spillway: 77400,	channel ogee to forebay discharg	ing			vertical lift gates, 649.1 ft (msl). New Spillway: 6												2 conduits with valve control on left on	d		
Spillway Levee (not including New (Side) Spillway: through a 25 ft of square conduit valve control on left end controlled Section 637 piers) 25,400 Report 126 square conduit roller/vertical lift 6 (roller, side Report 126 N) N NID 2006 Valve 589 Report 126 NID 2006 Valve 589		natural ground	controlled	Section	637 piers)	25,400 Re	port 126 square conduit	roller/vertical lift 6 (r	oller, side (	Report 126	11.25'x22' at 637	N		N	NID 2006	valv	/e	589				Report 126	of west embankment section			on

General	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structura	al Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Structural	Reservoir	Reservoir	Reservoir	General
Name	Emergency Spillway	Service Spillway	Service Spillway	Service Spillway	Spillway	Service Spillway	Service Spillway Source	Service Spillway	Gates	Gates	Gates	Gates	Gates	Hydropow		Hydropower	Hydropower	Hydropower	Outlet	Outlet  Elevation of	Outlet	Outlet	Outlet	Outlet	Outlet	Pump Stations		Pump Stations	
Name	Comments Emergency Spillway Information	Service Spillway Type	Service Spillway Location	Service Spillway Elevation (feet above MSL)	Spillway	Maximum Service Spillway Discharge Capacity (cfs)	Service Service Spillway Information	Comments Service Spillway Information	Type of Gates	Number of Gates	Maximum Gate Release Capacity (cfs)	Source Gates	Comments Gates	Hydropow (Y/N)		Generation Capacity (MW)	Source Hydropower	Comments Hydropower	Type of Outlet Works		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								Water is pumped from the reservoir for				on
Ellery Creek Berneyin	natural embankment		loft and of dam	268.1	1 300		NID 2006, Report 126	Concrete with RCC basin at dwonstream	nono			NID 2006		N			NID 2006		othor	235.1				Danasi 126	powerplant condenser cooling, ore washing, and general plant use. The lor flow outlet is a 36 inch pipe with invert.	w			l
Fairfield Lake	natural embankment		near left end of dar		9 60		NID 2006, Report 126	2 tainter gates each	tainter(radial)	2		NID 2006, Report	126	N			NID 2006		none	233.1				Report 126 Report 126	Water is circulated from reservoir to power plant and back to reservoir.				on
								concrete ogee section on US side, 6	6																2 conduits each nation, 72 inch				, 1
Falcon, International Reservoir		controlled	center of dam	256.7	7 300	456000	NID 2006, 0 Report 126	fixed wheel-type gates each 50'x50' The pump station	other	6		Report 126	6 fixed wheel type gates, each 50x50 ft	, Y	3 units in 2 plar 2	plants 3-10.5 Mv	Report 126		valve	225 US, 205 MEX				Report 126	diameter pipe US, 90 inch diameter pipe Mexico, valve on each conduit		pump station		on
								structure on the left shore of the lake is a	a l											795, 842 (pump station structure							structure on the left shore of the	station structure	
								vertical concrete shaft with vertical pumps. The motors												on left shore of lake, motors are mounted on					Concrete pipe. 18 inch diameter, valves		lake is a vertical concrete shaft with vertical	lake, motors are	ı
Lake Nocona	Two level, 3 section, uncontrolled	uncontrolled	cut in the emergency spillwa	y 827	7 100		Report 126	are mounted on a platform .	none			Report 126		N			NID 2006		valve	platform at elev 842)				Report 126	in manhole structure (low flow outlet works),		pumps (outlet	platform at elev 842)	on
Forest Grove Reservoir		controlled	near right abutmen	nt 339	121		record drawings		tainter(radial)	3			3 tainter gates each 35'x22'	N			NID 2006		none										on
								max discharge capacity taken from																					1
								"Pertinent Data" table in Feb 1997 Guide or for Spillway Gate																					
							Spillway Gate Operation,	Operation, Lake Fork Reservoir, max cfs																					
Fork Reservoir, Lake		controlled	station #95+00 dar axis	m 385	200	123,700	Lake Fork 0 Reservoir	when gates are fully open	tainter(radial)	5	123,70	0 NID 2006, Feb 19	5 tainter gates each 40'x20', core 10 steel,	N			NID 2006		slide(sluice)	360		N/A use outlet work	N/A	owner	pipe and ballvalve (2) 36" (1) 10"	left end pier	owner		OFF
	Natural ground with concrete ogee weir,																								4'x7' tower with 4-36"x36" gates (1629,				
Fort Phantom Hill, Lake	normal pool at elev 1635.9	uncontrolled	3000 feet from right end of dam.	nt 1635.9	9 865		concrete control section	n	none					N			NID 2006		slide(sluice)	5 gates				Report 126	1623, 1614 and 1600) and 1-48"x48" gate at 1580.33				ON
																									Outlet Works: 1 gate controlled conduit 11' diameter, 2-5'x11' hydraulic operated slide gates, invert elevation				I
																									720.0; Low Flow Outlets: 4 intakes at elevations 777.0, 763.0, 749.0, 735, 1-	works tower, empties	S		
Georgetown, Lake	Broad Crested Weir	none		_			FN-TMP1991.		none			FN-TMP1991,		N			NID 2006		slide(sluice)	720	480	0 735	350	Report 126	3'x4' manually operated slide gate at each intake	into outlet works conduit			on
							1991 Breach Analysis for					1991 Breach Analysis for																	,
Gibbons Creek Reservoir		controlled	right end of dam	232	2 120		Dam Cree	ogee weir, 3 tainter gates each 40'x15'	tainter(radial)	3		Dam Creek	3 tainter gates, each 40'x15'	N			NID 2006		none										on
Gilmer, Lake				315	5			F1	none			NID 2006		N			NID 2006		none										on
					170 (Report 126); 320 (NID		NID 2006,	Floating crest, An uncontrolled section provides additional					2 roof-weir gates, each												None, water is released through turbine while generating power. Reservoir is maintained at operationg level by	31			1
Gonzales (H-4), Lake		controlled		320	2006)		0 Report 126	flood flow discharge	other	2		NID 2006	85x12 ft	Y	1	2	NID 2006, Repo	ort 126	none					Report 126	regulationg power output.				on
																									Texas Electric Service Company pumps	s			
																				Elevation from tower - 1031.3, Crest Elevation -					water directly from the lake for powerplant use. Water for municpal use is pumped directly from the lake. 2	1			ı
Graham, Lake		none							none					N			NID 2006		valve	1051.3				Report 126	valves each 20" diameter on 24" condu	iit			on
Creature Lette		annirollo d	center of dam	658	576	625000	NID 2006, 0 Report 126	Gate-controlled ogee weir, 16 gates 36x35	tainter(radial)	16		NID 2006 Bases	16 tainter gates, each	N.			NID 2006		alida(alviaa)	652 ft and 640 ft above msl	754, 762 and 25 at 693 ft	052 H and 040 H ab	754, 762 and 25 at 693 ft above msl	Depart 126 aures	Concrete eluicoway	on right side adjacen to service spillway	1 Owner		00
Granbury, Lake		controlled	Center or dam	658	3 576	633000	o Report 126	ii.	tainter(radial)	16		NID 2006, Report	30 X33	IN.			NID 2006		slide(sluice)	above msi	above msi	65∠ π and 640 π ab	754, 762 and 25 at 693 it above msi	Report 126, owner	Outlet Works: 2 slide gates each 8'x18',		Owner		JII
																									18' diameter conduit, elevation 457 (normal pool at 504); Low-Flow Outlet (located in outlet works tower, empties				.
																				Outlet Works: 457, Low Flow					into outlet works conduit): Number to wet well =3, elevation 504, 494, 486, 3				
Granger Lake	uncontrolled ogee wei	none							none			NID 2006, Report	126	N			NID 2006		slide(sluice)	Outlets: 502, 494, 486 (2)	1170	0	200	Report 126, owner	slide gates each 3x4 ft, Number from wet well = 1, slide gate 2'x4'				on
																				Outlet 475.0 ft,					Outlet Works: 1 conduit, 13 ft diameter with two inlets, 2 gates each 6.5x13 ft.				.
Grapevine Lake	ogee	none						Davids on the s	none			NID 2006		N			NID 2006		other	low-flow outlet 500.5 ft	724	0	250	Report 126, owner	Low Flow Outlets: 2 steel pipes, each 30 inches in diameter.	parallels outlet works conduit	5		on
	slide slopes 2.8 percent and 1.39 percent to highway				drop inlet, 26'-			Drop inlet, 26 ft 8.5 inch diameter, Concrete conduit,																	1 conduit, 36 inch diameter; 2 valves each 20 inches, control discharge to				
Greenbelt Lake	grade.	uncontrolled	middle of dam	2664	4 8.5" diameter		Report 126	7x7 ft.	none			NID 2006		N			NID 2006		valve	2,597.0		-		Report 126	stilling basin and water treatment plant		-		on
Galveston County Reservoir		controlled		17	7 20	1077	7 NID 2006		other	16		NID 2006	12 other gates , 4 slide gates	N			NID 2006		slide(sluice)					NID 2006					off
			left and of do		175 (Report 126), 200 (NID		NID 2006,		L				*												outlet through the dam, 24 inches, valve control to treating plant, valve control to				ON
Halbert, Lake		uncontrolled	left end of dam	368	3 2006)		0 Report 126	concrete	none			NID 2006		N			NID 2006		valve					Report 126	downstream releases.  Outlet works: 1 conduit, 8 ft diameter (455 ft length), 2 slide gates, each 4x6				UN
Hords Creek Lake	Broad Crested	uncontrolled	center of dam	1900	78	900	0 owner	ogee weir	none			NID 2006		N			NID 2006		slide(sluice)	1856	226	0 1876.5	5.5	Report 126, owner	ft; Water Supply Outlet: Cast iron pipe	left end of dam			on
Houston County Lake	Excavated broad- crested weir	uncontrolled	left end of dam	261	7' drop inlet		Report 126	Drop inlet and 7x7 ft conduit	none			NID 2006		N			NID 2006		valve	224					1.5 ft pipe (valve controlled)				on
	STOCKES WELL	,onkrolled	, and or dain	, 200	.,. Grop IIIIOL		, toport 120	, _orrown	1			1. NO 2000					2000		1.200	234				1	, pipo (vare contioned)				

General Name	Structural Emergency Spillwa	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Gates	Structural Gates	Structural Gates	Structural Gates	Structural Gates	Structural Hydropower	Structural Hydropower	Structural Hydropower	Structural Structural		Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Reservoir Pump Stations	Reservoir Pump Stations	Reservoir General  Pump Stations Type
Name	Comments Emergency Spillwa Information		Service Spillway Location	Lievation (reet	Service Spillway Width (feet)	Maximum Service Spillway Discharge Capacity (cfs)	Source	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 Comme Hydropower Hydropo		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 earthfil sections	II 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		1	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
								Circular drop inlet																			
Hubbard Creek Reservoir	Excavated broad- crested weir	controlled	near left end of main dam	1176.5 crest elevat ir	circular drop nlet , 69'4" OD		Report 126	(gated), 1 conduit 22 ft diameter Rectangular drop	vertical lift	12		NID 2006		N			NID 2006	valve	113	6			Report 126	48 inch diameter 1 conduit, 30 inch diameter; 2 valve controlled outlets to river channel and			on
Hubert H Moss Lake	cut through natural ground	uncontrolled	right of dam	7 715 ir	7' square drop nlet		Report 126	inlet and 7x7 ft	none			NID 2006		N			NID 2006	valve	66	5			Report 126	future water supply. Intake at 684 and 702			on
Imperial Reservoir	uncontrolled gravity								none					N			NID 2006										on
Inks Lake	section of dam	none						Rectangular drop inlet; 2 horseshoe	none			NID 2006		Y	1	14 F	Report 126 This unit i	s oper none					Report 126	Water is released through the turbine			on
J B Thomas, Lake	emergency spillway 2 is a cut channel		towards left end of dam	2,258.0 ir	retangular drop nlet		Report 126	shapedconduits, each 10x10 ft Rectangular drop inlet, 52x96 ft, 6 -ft	none			NID 2006		N		1	NID 2006	valve	2,200.	D			Report 126	Near center of Dam, concrete pipe, 30 inch diameter, 24-inch valve.  18 inch pipe through dam, valve on			on
Jacksonville, Lake		uncontrolled		422			Report 126	square conduit.	none			NID 2006		N		1	NID 2006	valve	37:	2			Report 126	upstream side.			on
Jim Chapman Lake	uncontrolled broad crested weir	none							none			NID 2006		N		1	NID 2006	slide(sluice)	39	4 3451	)		Report 126	gate controlled conduits, one in each of four piers, each 6x6 ft.			on
Joe Pool Lake		none		2	drop inlet 20'x20' at			morning glory (drop inlet), 20x20 ft, 314' from centerline of morning glory to stilling basin, conduit under dam is				NID 2006		N			NID 2006	slide(sluice)	46	5 4000	) 482.5	3'	10 NID 2006		low flow located in outlet works tower; empties into outlet works conduit		on
Johnson Creek Reservoir		uncontrolled	near center of dam	re	mouth, reduced to 7'x7' D in neck		Report 126	gnerally 7' wide by 7'	none			owner		N		1	NID 2006	valve	254.	5			Report 126	control is provided for the low-flow releases.  Tower and 13 ft. diameter conduit, 2 gates, 5.66x13 ft. valve controlled 6-inch			ON
Kemp, Lake	cut channel	none					NID 2006,		none			Report 126		N			NID 2006	valve	109	0			Report 126	diameter pipe  Tower and two 4x5ft concrete conduits, 1 conduit for water supply, 1 conduit for			on
Kickapoo, Lake	masonry and earth	uncontrolled		1	483 550 (Report 126), 520 (NID			concrete ogee	none			NID 2006		N			VID 2006	slide(sluice)	1,756.0 ft invert inlet box, 1771.75 service	2			Report 126	stream flow control  Service Outlet: 1 pipe 18* diameter connects to the 24* pipes, Low flow: 2 pipes each 24 inch diameter one outlet			on
Arroy, Lake	(uncontrolled)		right abutment	1786 2	25' diameter		NID 2006,	Drop inlet, 25 ft diameter, 3 monolithic concrete	none					N			NID 2006	slide(sluice)	outlet				Report 126	pipe goes to irrigation for golf courses  Not required with pumped storage			on
Kurth, Lake Lavon Lake	ogee, 12 tainter gate each 40x28 ft		levee	197.5 d	drop inlet	118	Report 126	conduits, each 6x6ft	tainter(radial)	12	357700	NID 2006	12 tainter (service spillway)	N			NID 2006	none slide(sluice)	45:	3 120			Report 126	5 sluices through pier, each 36 inch diameter, 5 manually operated slide gates			on
Leon, Lake	natural ground		near center of dam	d	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			2800' from left end of dam		57		) Owner	service spillway is concrete structure, 2 tainter gates	tainter(radial)	2	16300	NID 2006	2 tainter gates each 25'x19'	Y		2 generating units 500 mW capacity Ultimate capacity: 1000 mW at power plant	4ID 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 (		other	2 at 481.0, 1 at 496, 1 at 503 (low-flow outlets), 448.0 (outlet works)		low flow consists of	si	00 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		on
Limestone, Lake		controlled	center of dam	337	200 1	182,740 or 135,000	owner		tainter(radial)	5	182740		5 tainter, 3 other, 2 slide	N	,		NID 2006	1-10* pipe and	325.25 and 322.0 ft above		325.25 and 322.0 ft 12		owner		on either side of service spillway	owner	on
Livingston, Lake			left end of dam	99 5		321000 @ 131' MSL			tainter(radial)	12	26750 @ 131' MSL		12 tainter gates each 40'x35' (service spillway)	N N			NID 2006	slide(sluice)	5	3 3650 @ 131' MSL			Report 126	Multi-gated intake tower and 1 conduit 10 ft diameter. concrete conduit 7'x7', invert elev 5.0, water flows to a lower pool then to canal			on
Loma Alta Lake  Lost Creek Reservoir		uncontrolled		17.5	105		Report 126	concrete ogee	none			Report 126	noon-weir gates	N N			Report 126	slide(sluice)					Report 126	system			Off

General	Structural	Structural Service	Structural	Structural	Structural	Structural	Structural Service	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  Comments	Spillway	Service Spillway	y Service Spillway Service Spillway	Spiliway	Service Spillway  Maximum Service	Spillway	Service Spillway  Comments Service	Gates	Gates	Gates	Gates	Gates	Hydropower	Hydropower No. of	Hydropower	Hydropower	Hydropower	Outlet	Outlet  Elevation of	Outlet	Outlet  Elevation of Water	Outlet	Outlet	Outlet	Pump Stations  Location of	Pump Stations Source Water	Pump Stations  Comments	Type On or Off
Name	Emergency Spillway Information	Service Spillway Type	Service Spillway Location	Elevation (feet above MSL)	Spillway	Spillway Discharge Capacity (cfs)	Service Spillway Information	Spillway	Type of Gates	Number of Gates	Maximum Gate Release Capacity (cfs)	Source Gates	Comments Gates	Hydropower (Y/N)	Hydronowor	Generation Capacity (MW)	Source Hydropower	Comments Hydropower	Type of Outlet Works	Outlet Works (feet above MSL)	Discharge Capacity of Outlet Works (cfs)	Supply Outlet (in Dam)	Discharge Capacity of Water Supply Outlet in Dam (cfs)	Source Outlets	Comments Outlets	Reservoir Water Supply Outlets	Supply Locations	Water Supply	Channel (ON/OFF)
								concrete ogee, 9 tainter gates each																	Water releases are made through				
Lyndon B Johnson, Lake		controlled	left end of dam	796	6 500	163340	9 owner	50x30 ft	tainter(radial)	10	32860	0 owner	50'x30'	Y	2	56	NID 2006, Repo	rt 126	none					Report 126	turbine operation  concrete pipe 30 inch diameter to valve vault, then 18 inch diameter downstrem.				nc
Mackanzia Pasansir	cut in natural earth	uncontrolled	right abutment of	310	20		Papart 126	concrete ogee, discharge chute and flip bucket	2000			NID 2006		N			NID 2006, Repo	rt 176	slide(sluice)	invert: 2961.0 ft; inlets to tower: 3080.0 and 3020.0 ft.				Report 126	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.				ion
Mackenzie Reservoir Manor Lake	Cut iii naturai eartii	uncontrolled	dani	310	20		INEPORT 120	hinged crest (leaf)	none			NID 2000		N			NID 2000, Repo	11 120	side(sidice)	3020.0 H.				Report 120	wan valve-controlled datet pipes.				
								gates, max SS discharge capacity is equal to the channel capacity because the																					
Marble Falls, Lake		controlled		725	5 608.3	42100	10	spillway and power house are completely drowned out in extreme flood events	other	10	10400	0 NID 2006	10 hinged crest (leaf) gates (bear trap per JLR)	Y	2 33	2 (total)	NID 2006, Repo	rt 126	none					Repot 126	Water releases made through turbine operation.				on
																									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				
Martin Lake		controlled	near left end of da	am 294	4 160 (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	msl with a downstream sluice gate control. Water is pumped to from the lake to the powerplant and returned to the lake.  3 steel pipes each 5 ft diameter: elev				on
Medina Lake		uncontrolled	right end of dam	1064.8	5 880	65834	NID 2006, 6 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	959, Low-flow conduits: 2 steel pipes each 2.5ft diameter, elev 959 Lift type gates: elev 912.5'				on
																									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				
																									tor channel releases each sxs 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				
	3 conduits 15.5' dia. Each, 3 radial gates							circular concrete drop inlet, ungated to					12'x15' on flood control												containing access walkway and discharge pipes. Discharge: steel pipe, 102-inch diameter for river and aqueduct releases, steel pipe, 48-inch				
Meredith, Lake	Each, 3 radial gates 12'x15'	uncontrolled	left abutment	296	5 16.5' square		Report 126	concrete conduit 22 ' dia.	tainter(radial)	3		NID 2006	outlet works (Emergency spillway)	N			NID 2006		slide(sluice)	2894.0, and 2850.0	37,00	00 multiple sluice gates	200	Owner	diameter for emergency aqueduct service.	right end of dam			on
Millers Creek Reservoir		uncontrolled	near right end of to dam	the 133°	drop inlet woth a 5' square 1 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 or east side	n 863 i	932 (Report 126); 1145 4 (NID 2006)	12242	7 owner	concrete discharges into a vertical drop 27' with a stilling basin at the bottom. Basin is 261.25' wide	none			NID 2006, owne	af	N			NID 2006		slide(sluice)	806				Report 126	Concrete conduit 4x5 ft, Pumped from the Lake on right end of dam				ion
Mitchell County Reservoir				220	1				none				uncontrolled	N			NID 2006												ON
	unpaved, broad-		left end of dam		8 160 (net)		Danasi 126	concrete controlled	tointoy/so diell			NID OOO	4 tainter gates each 40'x14'	N			NID 0000							D	Water is pumped from the lake for the electric generating plant and other industrial use.				
Monticello Reservoir	crested	controlled	leit end of dam	321	B TOO (Hel)		Report 126	ogee with 4 gates	tainer (radiar)	4		NID 2006	40.814	N			NID 2006		none					Report 126	Water is circulated from lake to				,,,
Mountain Creek Lake		controlled	center of dam	43	1 204	13527	NID 2006, 4 Report 126	concrete ogee, 6 tainter gates each 34x27 ft	tainter(radial)	6		NID 2006	6 tainter gates	N			NID 2006		valve					Report 126	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		NID 2006, 0 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.				ion
Nacogdoches, Lake				279	9				none			NID 2006		N			NID 2006												on
Name the Lake	two sections	controlled	left and of dam	1869.2 (auxillary),	25 (auxillary),		Report 126	1 automatic collapsible gate (auxiliary), 15 tainter gates, each 25x14 ft		16	0000	0 NID 2006	15 tainter (main service),	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				
avaawotuty, Lake	ogee, 6 tainter gates,	CONTONEC	ieit eild di daiii	1009.2 (duxinary),	137311		INEPORT 120	gates, each 25x14 it	taintei (radia)	10	3000	0 NID 2000	1 other (auxiliary)				NID 2000		Side(Sidice)	1,050.011				Report 120	5 conduits each 36 inch diameter, 5-				
Navarro Mills Lake	each 40x29 ft	none						concrete chute, nine 24 inch pipes with	tainter(radial)	6	22400	0 NID 2006	6 tainter gates	N			NID 2006		slide(sluice)	400	26	35		Report 126	3'x3' slide gates gated concrete intake structure, 30 inch				nc
New Terrell City Lake	earth excavated with splitter dike	uncontrolled	near left end of da	am 508.8	B 40		Report 126	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	steel concrete encased pipe, control to pumping plant 20-inch valve, control to downstream discharge 30 inch valve Vertical shaft, 5x5 ft, gate valves on 4				on
	excavation between				14.5'square			recangular drop inlet,												1053 top of tower valves at 1021, 1024.5,					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				
North Fork Buffalo Creek Reservoir	levees		middle of dam	1048	B drop inlet		NID 2006,	box culvert 5x5 ft.  concrete uncontrolled side channel	none			NID 2006		N N			NID 2006 NID 2006		none	1031, and 1041				Report 126 Report 126	plant.  Water is circulated from the lake to the generating station and returned to the lake				off
North Lake		ancontrolled		510	200		Acport 120												riol ID						Outlet Works: 2 conduits each 18 ft diameter 470 ft length, 6 openings each 7.5x14.5 ft, 6 slide gates; Low-Flow	parallel outlet works			
O C Fisher Lake	Ogee	none							none			NID 2006	1	N	L		NID 2006		slide(sluice)	1840	3130	00 1878.5	182	Report 126	Outlets: 2-2.5' steel pipes	conduits			on

General Name	Structural Emergency Spillway	Structural Service	Structural Service Spillway	Senice Snillway Se	ervice Ser	Structural rvice Spillway	Structural Service	Structural Service Spillway	Structural Gates	Structural	Structural Gates	Structural Gates	Structural Gates	Structural Hydropower	Structural Hydropower			uctural Struct		Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Reservoir Pump Stations	Reservoir Pump Stations	Reservoir General Pump Stations Type
Name	Comments Emergency Spillway	Spillway	Service Spillway	Service Spillway Se	rvice Maxi illway Spillv	timum Service way Discharge	Spillway Source Service Spillway Information	Comments Service Spillway Information			Maximum Gate Releas Capacity (cfs)			Hydropower (Y/N)	No. of Hydropower Units	Generation	7	nments Type of	Elevation of Outlet Works	Discharge Capacity of	Elevation of Water	Discharge Consider of Water	Source Outlets	Comments Outlets	Location of Reservoir Water Supply Outlets	Source Water	
																			inoz,								
O H Ivie Reservoir				1551.5					tainter(radial)	6				N		NI	D 2006								1-14" diameter cast iron pipe, parallel to		on
												D 400								00 640	20		- D	2 conduits each 10 ft diameter, 2 gat			
O' the Pines, Lake Oak Creek Reservoir	concrete chute  Fill in natural saddle	uncontrolled	beyond right end of	2000	300	P	Report 126	Cut Channel	none			Report 126 NID 2006		N N			D 2006	other	2	100 640	00	28	Report 126	each 8x12 ft. Water is pumped to Sweetwater, Blackwell, and Bronte. A 24 inch inch pipe with vlave control can release water to Oak Creek.	gate		on
Cur Crock (Cocyon	I III III III III III III III III III	dicontrolled		2500	500		topoit 120	out on an indi				110 2000					2000	Valve					report 120	made to Guit Greek.			
Olney / Lake Cooper, Lake				1148					none			NID 2006		N		NI	D 2006										on
																			lowest slide gar 309.5 ft; other								
Palestine, Lake		uncontrolled	near the east end of the dam	345	500 Drop	187056 o	owner		none			owner		N		NI	D 2006	slide(sluic	slide gates, 312.5 ft, 322.5 ft, and 332.5 ft	22	26 298	226	Report 126	controlled concrete gatehous with 4 slide gates, 2 each 36" butterfly valve 18" pipe with vavle control and	s		on
Palo Duro Reservoir		uncontrolled		2892 inlet		4000 C	NID 2006	circular drop inlet 11'						N			D 2006	valve	28	12			FNI files	discharge into the spillway conduit 30-inch diameter concrete pipe, moto operated valves. Water flows in the creek to diversion lake 12 miles	left end of dam		on
Palo Pinto, Lake Pat Cleburne, Lake	Excavated channel		Right end of dam	733.5	150		Report 126	Concrete ogee	none			NID 2006 NID 2006		N N			D 2006 D 2006	valve slide(sluic	e) 6:	90			Report 126 Report 126	downstream.  Tower and 30 inch diameter steel pip inside of 36 inch concrete pipe, 2 slu gates with invert at 722	e Ce		on
Pat Mayse Lake	Excavated channel	uncontrolled	center of dam	drop in 451 7.25' c	nlet with			morning glory drop inlet with 7.25' diameter conduit, low flow inlet elevation 407	none					N		NI	D 2006	none									on
Peacock Site 1A Tailings Reservoir		none							none			NID 2006		N		NI	D 2006										on
Pinkston Reservoir				298			- 1.	gated controlled ogee weir, 9 roof-weir	none			NID 2006	1 valve, uncontrolled	N		NI	D 2006	valve		each regulating pier 90 efe-					outlet pipes in		on
Possum Kingdom Lake		controlled	center of dam	987	707	500600 R	NID 2006, Report 126		roof-weir gates (bear trap gates)	9	500	1600 NID 2006	roof-weir gates, each 73.66'x13'	Y	2	2 12 NI	D 2006 origin	ally had prhydropow	974.5 (regulatir er releas pier outlets)	each regulating pier 99 cfs; gg 198 cfs total (at 999 ft abov msl)	ye	each regulating pier 99 cfs; 198 cfs	teowner	normal discharge is from hydro turbir also 2-24* sluice gates and outlet pip	es regulating piers 8		on
Proctor Lake	Ogee, 11 tainter gate: each 40x35 ft.	none							tainter(radial)	11	431	800 NID 2006	11 tainter gates each 40'x35'	N		NI	D 2006	slide(sluic	e) 11:	28 58	30		Report 126	2 conduits each 36 inch diameter, controlled by 2 slide gates each 3'x3'			on
																			388.0 (low flow outlet works), 392 (elevation					Outlet Works (water supply): Concre Tower Structure, Gated opening at	е		
Ray Hubbard, Lake		controlled	east or left end of dam	560 ne 409.5 664' ot	et length; ttal	375000 1:	Owner, Report 126	concrete ogee	tainter(radial)	14 tainter gate	375	000 Owner	14 tainter gates	N		NI	D 2006	slide(sluic	lowest opening water supply	3@1053 cfs, 3@197 cfs,			Owner, Report 126	several elevations; Outlet Works (lov flow): 3 sluiceways through piers, 3 slide gates each 4x6ft.			on
Ray Roberts, Lake		none							none			NID 2006		Y	1	1 1.2 NI	D 2006	slide(sluic	e) 5:	710	00 618, 603, 588, 574.5	600	NID 2006	1 gate-controlled conduit, 13' diamete 2 6'x13' service gates	er,		on
Red Bluff Reservoir		controlled		2826.7	300	R	Report 126	concrete ogee, 12 tainter gates each 25x15 ft	tainter(radial)	12		NID 2006	12 tainter	Y	2	2 2 NI	D 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		NI	D 2006	valve					NID 2006	2 valve, 1 other			on
Richland-Chambers Reservoir				315					tainter(radial)	24		NID 2006	24 tainter (radial)	N		NI	D 2006										on
								Gate control returns surplus water to						N									D 400	Water is circulated from reservoir to			
River Crest Lake		none						Sulphur River	vertical lift	1				N		NI	D 2006	none					Report 126	powerplant and back to reservoir			Off
Sam Rayburn Reservoir	labyrinth weir	none							none			NID 2006		Y	2	2 52 Re	aport 126 Capa	ity (deper other	10	05 2180	00		Report 126	2 conduits each 10x20 ft by 180 ft lor 2 tractor-type gates 10x20 ft and 1 emergency gate	ıg,		on
Santa Rosa Lake	concrete overflow wei on one spillway on lef	t	right end of dam	1168	200	F		channel with a downstream concrete weir	none			NID 2006		N		NI	D 2006						Report 126	near center of dam, concrete conduit			(en
Smithers Lake		controlled		56	90	N	NID 2006.	Concrete ogee section, 3 tainter gates each 30x15 ft	tainter(radial)	3		NID 2006	3 tainter gates each 30'x15'	N			D 2006	none					Report 126	Water is diverted by pumps and circulated through the condensers ar returned to the lake by canal.			on

General Name	Structural Emergency Spillway	Structural Service	Structural		Structural Service	Structural Service Spillway	Structural Service	Structural Service Spillway	Structural Gates	Structural Gates	Structural Gates	Structural	Structural Gates	Structural	Structural	Structural Hydropower	Structural Structur		Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Reservoir Pump Stations	Reservoir	Reservoir General Pump Stations Type
Name	Comments Emergency Spillway	Spillway		Service Spillway	Spillway Service Spillway	Maximum Service Spillway Discharge	Spillway Source Service	Comments Service Spillway	Type of Gates	Number of	Maximum Gate Release	Source Gates		Hydropower	No. of Hydropower	Generation	Source Commer	nts Type of Outle	Elevation of Outlet Works	Discharge Capacity of	Elevation of Water Supply Outlet (in	Discharge Capacity of Water	Source Outlets	Comments Outlets	Location of Reservoir Water	Source Water Supply	Comments Water Supply  On or Off Channel
· · · · · · · · · · · · · · · · · · ·	Information	Spillway Type	Location		Vidth (feet)	Capacity (cfs)	Spillway Information	Information	Type or dutes	Gates	Capacity (cfs)	Course Gales		(Y/N)	Units	Capacity (MW)	Hydropower Hydropo	wer Works	(feet above MSL)	Outlet Works (cfs)	Dam)	Supply Outlet in Dam (cfs)	Course outlier		Supply Outlets	Locations	Locations (ON/OFF)
Somerville Lake	ogee	none							none			NID 2006		N			IID 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			IID 2006		0.5.0								off
																			6' dia. Service outlet and 3- 48"x72" sluice gates and 1-								
																			emergency gate, 30* low flow pipe elev. 666.5,715,764,								
Squaw Creek Reservoir		uncontrolled	right end of dam	775	100		drawings	normal pool at 775	none			NID 2006		N		P	IID 2006	slide(sluice)	and 653				FNI files	right end of dam			on
																								concrete shaft, 24-inch diameter by 442 ft long, 2 valves each 20 inch diameter. Water is pumped directly from the lake			
								excavated channel in	n															for powerplant use by West Texas Utility Company. Water is pumped directly from the lake by the city of Stamford for	1		
Stamford, Lake	Natural channel	uncontrolled	900 ft to left of dam	1416.8 to 1417.3	100		Report 126	rock	none			NID 2006		N		<u> </u>	IID 2006	valve	1382.8	3			Report 126	municipal use.  1 gate-controlled conduit, 10' in			on
Stillhouse Hollow Lake	Broad-crested weir	none							none					N		1	IID 2006	slide(sluice)	515	7400	D			diameter, controlled by 2- 5.67'x12' hydraulically operated slide gate			on
Striker, Lake		controlled	left end of dam	282 140	0 (net)				tainter(radial)	4		NID 2006	4 tainter gates each 35'x10', top of gates 2921 valve	N		1	IID 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	concrete ogee, four	none			NID 2006		N		1	IID 2006	valve					NID 2006	2 valve, 1 other			on
Sulphur Springs, Lake	Side slope: 1.687 % o		near center of dam		ft (gated), ft (ungated) t lengths		Report 126	vertical gates, Farm to Market Road 2285 bridge over stilling basin.	vertical lift	4		NID 2006		N			IID 2006	none					Report 126	Water is pumped from the lake for municipal water supply.			on
					7.5 (Report																			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			
Sweetwater, Lake		uncontrolled	near left end of dam	126	6); 608 (NID	208954	NID 2006, Report 126	concrete ogee	none			NID 2006		N			IID 2006	valve					Report 126	control water flow during construction and then plugged.			on
			middle of dam near center of river, 1/2				NID 2006,	uncontrolled concret											1) 416.5 and 2)					2 cast iron pipes each 20-inch diameter, motor operated valve, 2) 2			
Tawakoni, Lake		uncontrolled	mile south of river	437.5	480	50000		ogee	none			NID 2006		N		<u> </u>	IID 2006	valve	378	1) 150 and 2) 2400			Report 126	conduits each 4x6ft, sluice gates			on
							Material Science																				
Texana, Lake		controlled		23	464	190000	Volumetric Survey of Lake Texana, 2001		tainter(radial)	12	190000	0 NID 2006	12 gates each measuring 22.5' tall by 35' wide	N			IID 2006	gates			mult-level, with inver	180	0 Volumetric Survey o	f L	east/west M and I structure	owner	on
																								3 conduits for water release, 5 conduits			
Texoma, Lake		uncontrolled	right end of dam	640	200	750000	NID 2006, Report 126	Ogee	none			Report 126		Y	2	2 70 F	Report 126	vertical lift	523				Report 126	for water to turbines, 20 ft-diameter by 800 ft long, vertical lift gates.			on
			left (north) end of					no spillway (NID 2006), gate controlled ogee-weir 11 tainter gates,	,				11 tainter on service spillway each 40x28 ft top											In gate pier near center, 1 conduit, 8 ft 4 inches wide by 12 ft high, 1 sluice gate			
Toledo Bend Reservoir		controlled	dam	173	838	290000	Report 126	each 40x28 ft.	tainter(radial)	11	26363	3 Report 126	of gates 173	Y	2	2 85 F	Report 126	slide(sluice)	100	144	1		Report 126	8 ft 4 inches by 12 ft			on
	Pleasant Valley Road (four lanes of concrete and asphalt) traverses the 64' wide crest of	9																									
	the dam and spillway; the City of Austin has developed Krieg Softball Complex in th		between the north				Volumetric						7 vertical lift (50'x13'), 2 bascule (50'x8'), bascule											2 intake structures on north shore of lake - Thomas Green Water Treatment Plant (min operating level - 424.38') and Holly Street Electric Generating Power			
Lady Bird Lake	Softball Complex in the emergency spillway		and south embankments	416 (crest elev lift g	506		Survey of Tow Lake, 1999	Concrete ogee	vertical lift/bascule	7 (vertical)/2 (		NID 2006	gates also serve for low- flow releases	N		1	IID 2006	none						(min operating level - 418.50')			On
Tradinghouse Creek Reservoir		controlled	left abutment	430	80		Report 126	section, 2 tainter gates each 40x20ft	tainter(radial)	2		NID 2006	service spillway, 2 tainter gates each 40'x20'	N		1	IID 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 1 tainter gate 16-ft	none			NID 2006		Y	3	3 102 (total) F	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	287	46	1101/	NID 2006,	1 tainter gate 16-ft wide by 6-ft discharges to flume over embankment	tointoy/so dist)			NID 2006	service spillway	N			IID 2006	none					Report 126	Water for cooling in a steam-electric generating plant is taken from and returned to the lake.			off
Hillindad Lake		controlled	dani	207	10	11010	Nepolt 120	Over embankment	taintei(radial)			NID 2000	зегисе зрягмау				2000	lione					Report 120	returned to the take.			
																								Near Left Abutment, Gated concrete 3- barrel outlet, 15.5 ft diameter conduit,			
Twin Buttes Reservoir	uncontrolled ogee we	ir none							none			NID 2006		N		1	IID 2006	3 fixed-wheel ga	ates 1885	35700	0		Report 126	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 Twir Oak Dam EAP	n	tainter(radial)	2		May 2007 Twin C	2 tainter gates on SS, measuring 40'x14'	N		1	IID 2006	slide(sluice)	379 (service outlet), 379.67 (low-flow outlet)				May 2007 Twin Oak	30" diameter service outlet and sluice gate, 8" diameter low-flow pipe, located D in six-foot pier between gates			on
Tyler, Lake		uncontrolled		375.38	200		NID 2006, Report 126	concrete chute	none			NID 2006		N		P	IID 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			IID 2006	slide(sluice)	559.5	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			IID 2006	other	605	5			Report 126	low flow, 18-inch pipe			Off

General Name	Structural Emergency Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Service Spillway	Structural Gates	Structural Gates	Structural Gates	Structural Gates	Structural Gates	Structural Hydropower	Structural Hydropower	Structural Hydropower	Structural Hydropower	Structural Hydropower	Structural	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Structural Outlet	Reservoir Pump Stations	Reservoir F	Reservoir mp Stations	
Name	Comments Emergency Spillway Information		Service Spillway Location	Elevation (feet	Service	Maximum Service Spillway Discharge Capacity (cfs)	Source	Comments Service Spillway Information	Type of Gates	Number of Gates	Maximum Gate Release Capacity (cfs)	se Source Gates	Comments Gates	Hydropower (Y/N)	No. of Hydropower Units	Generation Capacity (MW)	Source Hydropower	Comments Hydropower	Type of Outlet Works	(feet above	Discharge Capacity of Outlet Works (cfs)		Discharge Capacity of Water Supply Outlet in Dam (cfs)	Source Outlets	Comments Outlets	Location of Reservoir Water Supply Outlets	Supply War	ter Supply (	On or Off Channel (ON/OFF)
							mormation	Concrete ogee												MSL)									
Victor Braunig Lake		controlled	left end of dam	493	66		Report 126	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			10	NC
													14 tainter gates, each												1 conduit 20-ft diameter, 3 broome-type				
Waco, Lake	Ogee, 14 tainter gates each 40x35 ft.	none						concrete ogee weir, 2	tainter(radial)	14		NID 2006	40'x35', top of gates at 500	N			NID 2006		other	400	21500			Report 126	tractor sluice gates each 6 ft 8 in by 20 ft			or	<u>/n</u>
Walter E Long, Lake		controlled	center of dam	530 i	90 (not including pier)		Report 126	tainter gates each 45'x25'	tainter(radial)	2		NID 2006	45'x25'	N			NID 2006		none					Report 126				10	NC
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			or	on
								originally semi circular drop inlet, discharge conduit																					
Weatherford Lake	two level earth section	uncontrolled	center of dam	896	300		May 2007 Lak	9x9 ft, 425 ft long, e inlet replaced with a labyrinth weir outlet same 351' from centerline	none			NID 2006		N			NID 2006		valve	857				Report 126	valve controlled 18 inch concrete pipe, water diversion: pumping plant and pipeline.			OI	on
	max emerg spillway discharge from owner,							of morning glory to stilling basin, conduit under dam is generally 8' wide by 7' tall, max serv spillway discharge																					
	who says he based it on Flood Routing spillway rating curves		in front of dam near	rl Ir	14' OD at mouth reduced			from owner who based it on Flood Routing spillway																	2 each 18" butterfly valves in 18"				
Welsh Reservoir	from F&N	uncontrolled	center		to 7' ID in neck	1500	0 owner	curves from F&N	none			owner		N			NID 2006		valve	295	unknown			owner	rectangular tower (2 gated openings) right of emergency spillway, 48 inch			ion	n
White River Lake	excavation in rock	uncontrolled	center of dam	crest: 2369.2 and in	5'x5' square drop inlet		Report 126	drop inlet, conduit size 5x5 ft	none			NID 2006		N			NID 2006		valve	2323				Report 126	diameter by 100 ft long, 3 vertical pumps			or	'n
White Rock Lake		uncontrolled	left end of the dam	458	450	190808	NID 2006, 8 Report 126	Broad-created weir, weir type notches to the second of the	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 water direct from the lake for and emergency water supply. The lake is used for recreational purposes.			0	on
			right end of the				NID 2006,	Ogee, 17 tainter																	16 conduits through base of concrete dam, each 5x9 ft. gates operated from				
Whitney, Lake	excavated channel with a concrete control	controlled	dam	533	680	684000	0 Report 126	gates, each 40x38 ft	tainter(radial)	17	684	4000 NID 2006	17 gates each 40'x38'	Y	2	30	Report 126		slide(sluice)	448.83	46400			Report 126	tunnel.  tower in the lake with two sluice gates 2			on	n
Wichita, Lake	section	uncontrolled	middle of dam	976				section	none			NID 2006		N			NID 2006		slide(sluice)	965				Report 126	pipes each 36 inch diameter			on	n
Winters / New Lake Winters, Lake				1790					none			NID 2006		N			NID 2006								1 slide, 1 unknown			or	nc
Worth, Lake	Natural low area on right side of reservoir.	uncontrolled	middle of dam	594.3	700	101760	0	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.			01	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			or	on
Tyler, Lake		uncontrolled		375.38	300	31000	NID 2006, 0 Report 126	concrete weir	none					N					slide(sluice)	350				Report 126	Inlet box and concrete pipe with slide valve control			10	ON
Graham, Lake	cut in natural ground	none							none					N			NID 2006			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	·		10	NCNC
All references to left and right are fa	cinc																												

declining to respond responded to survey, did not specify wh does not give permission to share into y permission to share with TWDB did not respond to survey

General	General	Water Rights & Supply	Water Rights & Supply	Water Righ Supply	ts & Water R & Sup	ights Water Rights ply & Supply	General	General	General	General	General	General	General	General	General	General	General	General	General	General	General	General	General	General	General	General	Water Rights & Supply	Water Rights & Supply	Water Rights	Water Rights
Name	Туре	Yield	Yield	Yield	Yiel	d Yield	Location	Location	Location	Location	Location  Distance from	Direction	Location	Location	Location	Location	Location	Location	Gauge	Gauge	Gauge Down Stre	Gauge	Gauge	Gauge	Gauge	Gauge	Water Right  Authorized Multiple	Water Right	Water Right    Authorized Industrial	Water Right  Authorized Irrigatio
Name	Stream if Off-Channel		Year 2010 Yield (acre-feet)	Year 2060 Y (acre-fee		Yield Comments Yield	River Basin	Stream	County	Nearest town	Nearest Town (miles)	n from	Source Location	Comments Location	Planning	Central	Central Longitude	Source Lat/Long		Upstream USGS Gauge Name(s	IIEEE COU	ge Down Stream USGS	Reservoir USG Gauge Numbe		Source USGS Gauge Data	Comments USGS Gauge Data			Consumptive Diversion	
Abilene, Lake		SY	1088		525 DB07	yyang: safe	vi Brazos	Elm Creek	Taylor	Tuscola			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			167	5	
								South Fork of the Double Mtn Fork					Verified using							Double Mountain Fork Brazos Rive	r	Double Mountain Forl Brazos River near	<	Lake Alan Henry Reservoir near						
Alan Henry Reservoir		FY	22500	:	22500 DB07	yyang: By W	A Brazos	Brazos River	Garza, Kent	Justiceburg	11		Google Maps		0	33.0614	-101.0417	NID 2006	08079600	at Justiceburg, Tex.	08080500	Aspermont, Tex.	08079700	Justiceburg, Tex.	1999 Index of Stations			3500	0	
													Report 126,																	
Alcoa Lake	Little River	FY	7800		7800 DB07	yyang: By	( Brazos	Sandy Creek	Milam	Rockdale	<u> </u>	7 SW	Verified using Google Maps		G	30.575	-97.0483		None	None	08106350	Little River near Rockdale, Tex.	None	None	1999 Index of Stations				14000	)
									Val Verde (Estado de				Verified using							Pecos River near		Rio Grande below Amistad Dam near De	el							
Amistad, International Reservoir		FY	1067310	9	79476 DB07	yyang: TX sł	Rio Grande	Rio Grande River	Coahuila, Mexico)	Del Rio	1:	2 NW	Google Maps		J	29.4497	-101.0583	Google Earth	08447410	Langtry, Tex.	08450900	Rio, Tex.	None	None	1999 Index of Stations					
Amon G Carter, Lake		FY	2108		1600 DB07		Trinity	Big Sandy Creek	Montague	Bowie			Report 126, Verified using Google Maps		В	33.4592	-97.8579	Google Earth	None	None	08043950	Big Sandy Creek nea Chico, Tex.	r None	None	1999 Index of Stations			350	1300	)
																				Trinity River at Liberty, Tex., CW	A									
Anahuac, Lake	Trinity River	FY	14326			yyang: This	ri Trinity	Turtle Bayou	Chambers	Anahuac		5 N	1 mile in Google Maps		н	29.7737	-94.6869	Google Earth	08067000, 08067070	Canal near Dayto Tex.	n, 08067252	Trinity River at Wallisville, Tex.	08067118	Lake Charlotte near Anahuac, Tex.	1999 Index of Stations			214	7 30000	1100
													Volumeteric																	
Aquilla Lake		FY	12437		5311 DB07		Brazos	Aquilla Creek	Hill	Hillsboro	-	1	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			1389	6	
													5 miles in						000405=-	Village Creek at		West Fork Trinity Rive at Grand Prairie, Tex.	er	Lake Arlington at				_		
Arlington, Lake		FY	8333		8000 DB07		Trinity	Village Creek	Tarrant	Arlington		7 W	Google Maps			32.7217	-97.1983		u8U48970	Everman, Tex.	08049500	at Grand Prairie, Tex.	U8049200	Arlington, Tex.	1999 Index of Stations			1300	10120	,
													Verified using					NID 2006,		Little Wichita Rive	er	Little Wichita River		Lake Arrowhead no	an					
Arrowhead, Lake		FY	30197		46438 DB07	Arrowhead +	KRed	Little Wichita River	Clay	Wichita Falls	1:	13 SE	Google Maps		В	33.764	-98.3667	Google Earth	07314500	Tex.	07314900	above Henrietta, Tex.	07314800	Henrietta, Tex.	1999 Index of Stations			4500	0	
													Verified using													Raw water pump pier,				
Athens, Lake		FY	6064.166667		5660 DB07		Neches	Flat Creek	Henderson	Athens		8 E	Google Maps		I I	32.2044	-95.7252	Google Earth	None	None	None	None	None	None	1999 Index of Stations			547	7 302:	3
Austin Lako		EV					Colorado	Colorado Pivor	Travie	Auctio		o.w	Verified using		IK.	20.204	.07 7000	Google Feet	09154000	Lake Austin at	09159000	Colorado River at			1999 Index of Station	RAI: did not include all stations upstream of Town Lake (not		97440	2 24000	
лып, саке		Jr Y	L				Colorado	Colorado River	Travis	Austin	1 '	0 W	Google Maps		I.	30.294	-97.7867	Google Earth	Ju8154900	Austin, Tex.	08158000	Austin, Tex.			1999 Index of Stations	ju/s of Lake Austin)	1	27140	24000	1

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights Supply Yield	& Water Rig & Suppl Yield	y & Supply	General Location	General Location	Gen Loca				eneral General				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 & Supp	ply Water Rights Water Right	Water Rights Water Right
Name	Stream if Off-Channel	Yield Type	Year 2010 Yield (acre-feet)		eld Source V		<u> </u>	Stream	Cou		Distance	e from f	ection rom Source	Comment	Water Planning	Dam Central	Dam Central			Upstream USGS Gauge Name(s)	T	Down Stream USG	S Reservoir USGS	Reservoir USGS	Source USGS Gauge	Comments USGS	Authorized Multiple	Authorized Municip	pal Authorized Industrial	Authorized Irrigation
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								(mi	es) Ne	own		Region	Latitude	Longitude		Number(s)		Number(s)						Consumptive Diversion (Ac-Ft/Yr	Diversion (Ac-Ft/Y	r) (Ac-Ft/Yr)	Diversion (Ac-Ft/Yr)
B A Steinhagen Lake		FY-S	820000	820	0000 DB07		Neches	Neches River	Tyler, Jasper	Town Blu	ff	0.5 N	Verified usin Google Map	g s	ı	30.8011	-94.1716	Google Earth	08033500	Neches River nea Rockland, Tex.	r 08040600	Neches River near Town Bluff, Tex.	08040000	B.A. Steinhagen Lake at Town Bluff, Tex.	1999 Index of Stations			820	000 60000	0 110000
					January 20	106																								
Ballinger / Lake Moonen, Lake		SY-S	940		Region F 890 water plan		Colorado	Valley Creek and Quarry Cree	ek Runnels	Ballinger		5 W	Verified usin Google Map	g s	F	31.7333	-100.0377	Google Earth	None	None	08126380	Colorado River near Ballinger, Tex.	None	None	1999 Index of Stations			15	559	126
													Report 126, Verified usin							Giffin Springs at										
Balmorhea, Lake		FY	0		0 DB07		Rio Grande	Sandia Creek	Reeves, Loving	Balmorhe	a	3 SE	Google Map	g s	E	30.9702	-103.7268	Google Earth	08427000		None	None	None	None	1999 Index of Stations				4140	0
																				Waxahachie Cree	k									
Bardwell Lake		FY	8567	6	6500 DB07		Trinity	Waxahachie Creek	Ellis	Ennis		5 S	Verified usin Google Map	g s	С	32.2511	-96.6412	Google Earth	08063685	near Waxahachie Tex.	08063800	Waxahachie Creek near Bardwell, Tex.	08063700	Bardwell Lake near Ennis, Tex.	1999 Index of Stations			96	500	
Bastrop, Lake		FY				yyang: backe	Colorado	Spicer Creek	Bastrop	Bastrop		3 NE	Verified usin Google Map	g s	к	30.155	-97.2917		None	None	08159200	Colorado River at Bastrop, Tex.	None	None	1999 Index of Stations				1075	0
																						Prairie Dog Town Fo	rk							
Baylor Lake		FY	0		0 DB07	yyang: fy con	Red	Baylor Creek	Childress	Childress		10 NW	Verified usin Google Map	g s	A	34.4767	-100.3717		None	None	07299540	Red River near Childress, Tex.	None	None	1999 Index of Stations			3	397	
																				Cowhouse Creek										
					DD07								Verified usin	g					08101000, 08100600,	at Pidcoke, Tex., Leon River at Nor Fort Hood, Tex., Leon River at	th	Leon River near		Belton Lake near			10025	7 120	200	
DERION LAKE		IFY.	211856	97	7217 DB07	yyang: BRA I	DIBZOS	Leon River	Dail	Belton		3 N	Google Map	3	ls .	31.1083	-97.4728	Google Earth	00100000	Gatesville, Tex.	08102500	Belton, Tex.	08102000	Belton, Tex.	1999 Index of Stations		10025	120	500	
Benbrook Lake		FY	6834	6	5834 DB07		Trinity	Clear Fork Trinity River	Tarrant	Benbrool					С	32.6535	-97.4571	Google Earth		Clear Fork Trinity River near Weatherford, Tex.		Clear Fork Trinity Rinear Benbrook, Tex.	ver 08046500	Benbrook Lake near Benbrook, Tex.	1999 Index of Stations			61	150	683
																			-											
							2			40.5			6 miles in				a		070445-	Brushy Creek at	07044	Big Cypress Creek	0704445-	Lake Bob Sandlin near Mount Pleasan	t,					
BOD Sandiin, Lake		JEY.	60430	ri 60	0430 DB07		Cypress	Big Cypress Creek	l itus,Camp,Wo	d & Franklin Mt Pleas	ant	5 SW	Google Map	>	טן	33.075	-95.0017		07344486	Scroggins, Tex.	07344500	near Pittsburg, Tex.	07344489	Tex.	1999 Index of Stations	1		119	aauj 4850	U

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	s Water Rights & Supply Yield	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 & Suppl	y Water Rights Water Right	Water Rights Water Right
Name	Stream if Off-Channel		Year 2010 Yield (acre-feet)	Year 2060 Yield (acre-feet)	Source Yield	d Comments Yield	River Basin	Stream		County	Nearest town	Distance from Nearest Town (miles)	Direction from Nearest	Source Location	Comments Location	Planning	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)				Source USGS Gauge Data	Comments USGS Gauge Data	Authorized Multiple Purpose Consumptive	Authorized Municipa	Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)	
												, , ,	Town															Diversion (Ac-Ft/Yr)	•		
Bonham, Lake		FY	5340	3650	50 DB07		Red	Timber Creek	Fannin		Bonham	5	Vi NE G	erified using loogle Maps	С		33.6517	-96.1355	Google Earth	None	None	None	None	None	None	1999 Index of Stations	USGS has elevation station at raw water intake		534	10	
Brady Creek Reservoir		FY-S	2170		January 2006 Region F 20 water plan	3	Colorado	Brady Creek	McCulloc	h	Brady	3		erified using loogle Maps	F		31.14	-99.3861	Google Earth	None	None	08146000	San Saba River at Sa Saba, Tex.	n 08144900	Brady Creek Reservoir near Brady, Tex.	1999 Index of Stations			300	500	
Brandy Branch Cooling Pond		FY	11000	1100	00 DB07		Sabine	Brandy Branch	Harrison		Hallsville	10	) SE ov	wner	D.		32.4306	-94 485	Google Earth	None	None	08022040	Sabine River near Beckville, Tex.	None	None	1999 Index of Stations				11000	
Brainly Brainly Cooling Ford			11000	1100	JO 0007		Cabille	Drandy Dranch	Hamsur		I IdiiSviile	10	JGE O	Wildi			32.4300	-54.465	Soogie Laitii	140116	Note	00022040	Deckville, 1 ex.	Note	None	1333 HOEX OF STATIONS				11000	
																											Downstream: Brazos River at				
Brazoria Reservoir	Brazos River	n/a					Brazos	N/A	Brazoria		Brazoria	1	NE G	erified using loogle Maps	н		29.0683	-95.5283	4	08116650	Brazos River near Rosharon, Tex.	None	None	None	None	1999 Index of Stations	GIWW Locks nr Freeport, TX			85000	
Bridgeport, Lake		FY	108500	10100	00	West Fork 2010	Trinity	West Fork Trinity River	Wise		Bridgeport	4	NW G	erified using loogle Maps	Jonathan Pi: C		33.2215	-97.8309	NID 2006, Google Earth	08042800	West Fork Trinity River near Jacksboro, Tex.	08044500	West Fork Trinity Riv near Boyd, Tex.	08043000	Bridgeport Reservoi above Bridgeport, Tex.	1999 Index of Stations			1700	00	2500
														erified using							Hords Creek Lake		Pecan Bayou near								
Brownwood, Lake Bryan Utilities Lake		FY FY	29712 85		12 DB07 35 DB07			Pecan Bayou Unnamed Tributaries Braz	Brown os River Brazos		Brownwood Bryan	1	N G	oogle Maps	F G			-99.0017 -96.4555	Google Earth		near Valera, Tex.	08143600 08111500	Mullin, Tex.  Brazos River near Hempstead, Tex.	None	None None	1999 Index of Stations 1999 Index of Stations			1279	97 4003 85	6970
Buchanan, Lake		FY				yyang: 501407	Colorado	Colorado River	Burnet		Burnet	13		1 miles loogle Maps	к		30.7517	-98.4183		08147000	Colorado River near San Saba, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations		1500000	)		
																					Black Cypress Bayou at Jefferson Tex., Big Cypress Creek near	1,									
Caddo Lake		FY	10000	1000	00 DB07		Cypress	Cypress Bayou	Caddo Pa	arish (LA)	Shreveport, LA	19	NW G	7 Miles in loogle Maps	D		32.7099	-93.9151	Google Earth	07346000	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		234	13 1281	
														erified using									San Antonio River ne								
Calaveras Lake		FY	37000 88106.5		00 DB07 34 DB07			Calaveras Creek	Bexar		San Antonio		SE G	oogle Maps erified using	L		29.2783		Google Earth		None Guadalupe River near Spring Branch, Tex.	08183500 08167800	San Antonio River ne Falls City, Tex.  Guadalupe River at Sattler, Tex.	None 08167700	None  Canyon Lake near New Braunfels, Tex	1999 Index of Stations  1999 Index of Stations		120000	10	36900	
Canyon Lake Casa Blanca Lake		FY	00 100.5	0/48	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Guadalupe River Chacon Creek	Webb		New Braunfels  Laredo		l V	eport 126, erified using loogle Maps 0 miles in	M		27.5333	-99.4483	ı	None	None Cedar Bayou near	08459200	Rio Grande at Pipelir Crossing below Laredo, Tex.		None None	1999 Index of Stations		12000			600
Cedar Bayou Generating Pond		N/A					Trinity-San Jacinto	Cedar Bayou	Chamber	s	Baytown	5	E G	oogle Maps	Н		29.755	-94.8183		08067510	Baytown, Tex.	None	None	None	None	1999 Index of Stations				30000	
													V	erified using									Colorado River at								
Cedar Creek Reservoir Colorado	Colorado River	FY			1	yyang: backed	Colorado	Cedar Creek	Fayette		Lagrange	8.5	E G	oogle Maps	к		29.9157	-96.7367	NID 2006	None	None	08161000	Columbus, Tex.	None	None	1999 Index of Stations				2450	

General	General	Supply	Water Rights & Supply	Supply	Water Rights Water & Supply & Su	pply	eneral	General	General	General	General	General	General	General	General	General	General	General	General	General	Genera		General	General	General	General	Supply	Water Rights & Supp		Water Rights
Name	Туре	Yield Tune	Yield Year 2010 Yield	Yield Year 2060 Yield	Yield Yie		cation	Location	Location	Location	Location  Distance from	Location Direction from		Location	Location	Location	Location	Location	Gauge	Gauge Upstream USG:	Gauge Down Stre	eam D	Gauge S Reservoir USG	Gauge S Reservoir USGS	Gauge	Gauge Comments USGS	Water Right  Authorized Multiple	Water Right  Authorized Municip	Water Right  Authorized Industrial	Water Right  Authorized Irrigation
Name	Stream if Off-Channel	(FY,SY,Other)		(acre-feet)	Source Yield Comm		r Basin	Stream	County	Nearest town	Nearest Town (miles)	Nearest Town		Location		Central Latitude	Central Longitude	Lat/Long	USGS Gauge Number(s)			uge			Source USGS Gauge Data	Gauge Data	Purpose Consumptive Diversion (Ac-Ft/Yr)	Consumptive Diversion (Ac-Ft/Y	Consumptive Diversio (Ac-Ft/Yr)	n Consumptive Diversion (Ac-Ft/Y
																										08062900 -				
																								Cedar Creek		Additional U/S gauge, no longer active, period of				
Cedar Creek Reservoir Trinity		FY	175000		DB07 January 2006	Trinity	Cedar C	creek	Henderson	Trinidad	3	NE NE	Verified using Google Maps		С	32.18		NID 2006, Google Earth	08062800	Cedar Creek nea Kemp, TX	08065000	Trinity River near Oakwood, Tex.	08063010	Reservoir near Trinidad, Tex. Champion Creek	1999 Index of Stations, Co	record less than 40 or years		2025	2250	0 25
Champion Creek Reservoir		SY-S	2337		Region F water plan	Colorado	Champio	on Creek	Mitchell	Colorado City	7	r S	Verified using Google Maps		F	32.2817	-100.8583	Google Earth	None	None	08123850	Colorado River above Silver, Tex.	08123600	Reservoir near	1999 Index of Stations			27	00 405	0
Cherokee Lake		FY	28885	27710	DB07 yyang:	use db Sabine	Cheroke	ee Bayou	Gregg, Rusk	Longview	15	2 SE	Verified using Google Maps			32.3617	-94 606	Google Earth	None	None	08020900	Sabine River below Longview, Tex.	None	None	1999 Index of Stations		62400			
													Verified using						08206600,	Frio River at Tilden, Tex., San Miguel Creek nea	ır	Choke Canyon Reservoir (Outflow Works Channel) near		Choke Canyon Reservoir near Thre	8					
Choke Canyon Reservoir		SY	168299		yyang:	close t Nueces	Frio Rive	er	McMullen & Live Oak	Three Rivers	4	ı w	Google Maps	ļ	N	28.485	-98.2441	Google Earth	08206700	Tilden, Tex.	08206910	Three Rivers, TX  Big Sandy Creek	08206900	Rivers, Tex.	1999 Index of Stations	Upstream:		597	70 7853	0 2
Cisco, Lake		SY	1340	1340	DB07	Brazos	Sandy C	Creek	Eastland	Cisco	4	1 N	Verified using Google Maps Report 126,		G	32.44	-98.98406	Google Earth	None	None	08086290	above Breckenridge, Tex.	None	None	1999 Index of Stations	wiiliamson Dam@Lake Cisco		19	71 5	6
Clyde, Lake		FY-S	500		DB07 yyang: January 2006	795 wi Colorado	North Pr	rong Pecan Bayou	Callahan	Clyde		s	Verified using Google Maps		G	32.3133	-99.47		None	None	08143600	Pecan Bayou near Mullin, Tex.	None	None	1999 Index of Stations			10	00	
Coleman, Lake		SY-S	8507		Region F water plan	Colorado	Jim Ned	I	Coleman	Coleman	14	ı N	Verified using Google Maps		F	32.03	-99.465		None	None Coleto Creek at	08143600	Pecan Bayou near Mullin, Tex.	None	None	1999 Index of Stations			45	00 450	0
																				Arnold Road Crossing near Schroeder, Tex., Perdido Creek at				Coleto Creek						
Coleto Creek Reservoir		FY	20848	20848	DB07 yyang:	use db Guadalup	pe Coleto C	Creek	Goliad & Victoria	Victoria	12		Verified using Google Maps		L	28.7233		NID 2006, Google Earth		Farm Road 622 near Fannin, Tex	08177500	Coleto Creek near Victoria, Tex.	08177400	Reservoir near Victoria, Tex.	1999 Index of Stations				3250	0
Colorado City, Lake		ev e	2686		January 2006 Region F water plan	Colorado	Maraaa	Creek	Mitchell	Colorado City		s sw	5 miles Google Map		F	32.3183	100.0467	NID 2006	Ness	None	08123850	Colorado River above Silver, Tex.	08123000	Lake Colorado City near Colorado City, Tex.	1999 Index of Stations		5500			
Colorado City, Lake		51-5			water plan	Colorado			Witchell	Colorado City			Verified using					NID 2006	None	None		West Fork San Jacint River below Lake Conroe near Conroe,	to	Lake Conroe near			3300			
Conroe, Lake		FY	79800	74300	DB07	San Jacin	nto West Fo	ork San Jacinto River	Montgomery	Conroe	7	NW	Google Maps		н	30.3588	-95.56	Google Earth	None	None	08067650	Tex.	08067600	Conroe, Tex.	1999 Index of Stations			660	2850	0
Corpus Christi, Lake		SY			yyang:	close t Nueces	Nueces	River	San Patricio, Jim Wells	Mathis	4	sw sw	Verified using Google Maps		N	28.0417	-97.8682	Google Earth	08210000	Nueces River nea Three Rivers, Tex	ar k. 08211000	Nueces River near Mathis, Tex.	08210500	Lake Corpus Christi near Mathis, Tex.	1999 Index of Stations			1500	15000	0
Creek Lake, Lake		FY	9990.833333	9945	DB07	Brazos	Manos C	Creek	McLennan	Riesel	4	sw 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				1000	0
Overland to			4000	1000	DD07	2.1	5: 0			200		S N	Verified using			00 7000	-95.5667			None	07337000	Red River at Index,	None		4000 h day 4 0 h fi	RAI: Downstream gauge is over 100 miles downstream		400	20	
Crook, Lake		FY	1000	1000	DB07	Red	Pine Cre		Lamar	Paris		D IN	Google Maps 10 miles in		U	33.7283	-95.5667		None	None	07337000	Monticello Reservoir near Mount Vernon,	None	Lake Cypress Springs near Mount	1999 Index of Stations	miles downstream		120	30	
Cypress Springs, Lake		FY	10737	9537	DB07	Cypress	Big Cypr	ress Creek	Franklin	Mount Vernon	8	3 SE	Google Maps		D	33.0581	-95.14	Google Earth	None	None	07344488	Tex.	07344484	Vernon, Tex.	1999 Index of Stations			115	359	0 2
Daniel, Lake		SY	175	150	DB07 yyang:	safe yi Brazos	Gonzale	es Creek	Stephens	Breckenridge	7	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			21	00	
Davis, Lake		SY	0		yyang:	By Kev Brazos	Dutchma	an Creek	Knox	Benjamin	4	s 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	BALC:				20
																										RAI: Gauge 07312110, South Side Canal near Dundee, Tex.,				
Diversion, Lake		FY				Red	Wichita I	River	Archer	Dundee		s NW	Verified using Google Maps		В	33.82	-98.9367		07312100	Wichita River nea	o7312130	Wichita River at State Highway 25 near Kamay, Tex.	None	None	1999 Index of Stations	appears to be very near the location of the reservoir.		251	50 4000	0 1200
													Verified using						08168000,	Hueco Springs near New Braunfels, Tex., Guadalupe River	at	Guadalupe River at								
Dunlap, Lake		N/A			January 2006	Guadalup	e Guadalu	pe River	Guadalupe	Seguin	5		Google Maps		L	29.6533	-98.0667		08167800	Sattler, Tex.	08173900	Gonzales, Tex.	None	None E.V. Spence	1999 Index of Stations					
E V Spence Reservoir	Colorado River	SY-S	36164 (CRMWD sy	35090 (CRMWD sys		Colorado backec Colorado	Colorado Moores I		Coke	Robert Lee Eagle Lake	2	w ns	Verified using Google Maps Verified using Google Maps		F K	31.895 29.5706	-100.515 -96 4017	Google Earth	08123850 None	Colorado River above Silver, Tex	. 08124000	Colorado River at Robert Lee, Tex. Colorado River at Wharton, Tex.	08123950 None	Reservoir near Robert Lee, Tex.	1999 Index of Stations			385	73 200	186
					, young.		100.00			ang. Dano			g.s maps			23.07.00	30.4011	229.2 Eurur			55.52000	7, 100			J. S. Gidnorio					100
Fagle Mountain Lake		FY	108500			Tripity	Wast Fa	ork Trinity River	Tarrant	Fort Worth			Report 126, Verified using Google Maps		c	32.87	.07 4087	NID 2006	08044500, 08044800	West Fork Trinity River near Boyd, Tex., Walnut Creat Reno, Tex.		Lake Worth above Fo Worth, Tex.	ort 08045000	Eagle Mountain Reservoir above For Worth, Tex.	t 1999 Index of Stations		158495			
Eagle Mountain Lake  Eagle Nest Lake	Brazos River	FY	0			Brazos	Varners		Brazoria	Angleton			Verified using Google Maps		н	29.217		Google Earth		None	None	None	None	None None	1999 Index of Stations		1,00493			18

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield		s Water Rights & Supply Yield	General Location	General Location	General Location	General Location	General Location	General General Location Loc		General C	General Gene	eral G	ieneral	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 2060 Yield (acre-feet) Source Yield	d Comments Yield	River Basin	Stream	County	Nearest town	Distance from Nearest Town (miles)			Comments	Water Dan lanning Centr Region Latitu	ral C	Dam Sentral ngitude	Source Lat/Long	Upstream USGS Gauge Number(s)	Upstream USGS Gauge Name(s)		Down Stream USGS			Source USGS Gauge Data	Comments USGS Gauge Data	Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr)	Concumptive	Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)	
											Verified										Beaver Creek near		Lake Electra near						
Electra, Lake		FY	462	2 420 DB07		Ked	Camp Creek	Wilbarger	Electra	/	SW Google Verified	Lusina	В	3	3.975	-99.0233		None	None	07312200	Electra, Tex.  Big Cypress Creek	07312180	Electra, Tex.	1999 Index of Stations			600		
Ellison Creek Reservoir Fairfield Lake		FY	13857 1567			Cypress Trinity	Ellison Creek Big Brown Creek	Morris Freestone	Lone Star Fairfield	On east shore of		Maps s in	D C			-94.725 -96.0417	1	None None	None None	07346000 08065000	near Jefferson, Tex. Trinity River near Oakwood, Tex.	None	None None	1999 Index of Stations 1999 Index of Stations			2000	2100i	
Falcon, International Reservoir		FY			yyang: TX sha	Rio Grande	Rio Grande River	Starr	Roma	13 road miles (19 river miles) upstream from Roma			М	2	26.559	-99.167 G	ID 2006, oogle Earth	08459200	Rio Grande at Pipeline Crossing below Laredo, Tes	08461300	Rio Grande below Falcon Dam near Falcon Heights, TX	None	None		RAI: Water quality station 08461300 downstream				
Lake Nocona		FY	1260	1260 DB07		Red	Farmers Creek	Montague	Nocona	8	NE Google 7 miles		В	33	1.8833	-97.6517	ID 2006,	None	None	07316000	Red River near Gainesville, Tex. Trinity River near	07315600	Lake Nocona near Nocona, Tex.	1999 Index of Stations			1080		100
Forest Grove Reservoir		FY	8583	8 8500 DB07		Trinity	Caney Creek	Henderson	Athens	5	NW Google	Maps	С	32	2.2283		oogle Earth	None	None	08065000	Oakwood, Tex.	None	None	1999 Index of Stations				9500	D
Fork Reservoir, Lake	Tailrace	FY	173035	166960 DB07		Sabine	Lake Fork Creek	Hopkins, Rains, Wood	Quitman	5	W Google	l using Maps	D	32	2.8067	-95.5358 G	oogle Earth		None	08019000	Lake Fork Creek near Quitman, Tex.	08018800	Lake Fork Reservoir near Quitman, Tex.	1999 Index of Stations			169160	19500	D
																		08083480,	Cedar Creek at Interstate Highway 20 at Abilene, Tex Cat Claw Creek at Abilene, Tex., Lak				Fort Phantom Hill						
Fort Phantom Hill, Lake		SY	7348	6940 DB07	yyang: safe yi	Brazos	Elm Creek	Jones	Abilene	12	NE Google	Мар	G	32	2.6278	-99.6683 N	ID 2006	08083420, 08083270	Abilene near Buffalo Gap, Tex.	08084000	Clear Fork Brazos River at Nugent, Tex.	08083500	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	Verified W Google	l using Maps	G	30	0.6674	-97.725 G	oogle Earth	None	None	08104700	North Fork San Gabrie 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	Verified NW Google		G		30.61	-96 0617	,	None	None	08111500	Brazos River near Hempstead, Tex.	None	None	1999 Index of Stations				974	D
Gilmer, Lake		FY	6180			Cypress	Kelsey Creek	Upshur	Gilmer		NW Google	NW in	D		2.7624	-96.0617 NI -94.98 G	ID 2006, oogle 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	Verified SE Google		L	29	9.4956	-97.6246 G	oogle 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	Verified NW Google	l using Maps	G	33	3.1333	-98.6168 G	ID 2006, oogle Earth	None	None	08088500	Possum Kingdom Lake near Graford, Tex.	08088400	Lake Graham near Graham, Tex.	1999 Index of Stations			11000	840	0 100
Granbury, Lake		FY	67390	Brazos River 66370 Authority		Brazos	Brazos River	Hood	Granbury	8	SE in 0	ioogle	G	32	2.3733	-97.6883		08090800	Brazos River near Dennis, Tex.	08091000	Brazos River near Gle Rose, Tex.	08090900	Lake Granbury near Granbury, Tex.	1999 Index of Stations		0	10000	7000	0 19500
Granger Lake		FY		9801 DB07		Brazos	San Gabriel River	Williamson	Taylor	10	Verified NE Google	l using Maps	G	30	).7033		ID 2006, oogle 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-a	Trinity	Denton Creek	Tarrant	Grapevine	27	Verified NE Google	l using Maps	c	32	2.9667	-97.05 N	ID 2006	08053500	Denton Creek nea	r 08055500	Elm Fork Trinity River near Carrollton, Tex.	08054500	Grapevine Lake nea Grapevine. Tex.	r 1999 Index of Stations		82495	76258	,	2500
Greenbelt Lake		FY	8854	8200 DB07		Red	Salt Fork Red River	Donley	Clarendon		Verified N Google	using	A		5.0017 -			None	None	07300000	Salt Fork Red River near Wellington, Tex.		Greenbelt Lake nea				14530	500	) 250
Galveston County Reservoir	Brazos River	FY	98805		yyang: the week	San Jacinto-Brazos		Galveston	Texas City	,		using	ц		29.44	.94 9843 C	oogle Earth	None	None	None	None	None	None	1999 Index of Stations		99932			
Halbert, Lake		FY	0.000	0 DB07	,,,g. alo #11		Elm Creek	Navarro	Corsicana		8 miles SE Maps		6			N	ID 2006, oogle Earth		None	08064550	Richland-Chambers Reservoir near Kerens Tex.	None	None	1999 Index of Stations		55532	4003		
Hords Creek Lake		SY-S	1390	January 2006 Region F	3	Colorado	Hords Creek	Coleman	Coleman	13	8 miles	Google	F		.8347		oogle Earth		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		Verified NW Google						oogle Earth		None	08065350	Trinity River near Crockett, Tex.	None	None	1999 Index of Stations			3500		

General	General	Water Rights & Supply	Water Rights & Supply	Water Rights & Supply	Water Rights Water Right & Supply & Supply		General	General	General	General	Genera	l General	General	General	General	General	General	General	General	General	General	General	General	General	General	Water Rights & Supply	Water Rights & Suppl	/ Water Rights	Water Rights
Name	Туре	Yield	Yield	Yield	Yield Yield	Location	Location	Location	Location	Location	Location		Location		Location	Location	Location	Gauge	Gauge	Gauge	Gauge	Gauge	Gauge	Gauge	Gauge	Water Right  Authorized Multiple	Water Right	Water Right	Water Right
Name	Stream if Off-Channel	Yield Type (FY,SY,Other)		Year 2060 Yield (acre-feet)	Source Yield Comment Yield	S River Basin	Stream	County	Nearest town	Distance from Nearest Town (miles)	n Nagras	t Location	Comments Location	Planning	Dam Central Latitude	Dam Central Longitude	Source Lat/Long	Upstream USGS Gaug Number(s)	Upstream USGS Gauge Name(s)		e Gauge Names(s)		Reservoir USGS Gauge Name	Source USGS Gauge Data	Comments USGS	Purpose	Authorized Municipa Consumptive Diversion (Ac-Ft/Yr	Authorized Industrial Consumptive Diversion (Ac-Ft/Yr)	Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)
											TOWN								Cypress Creek							Diversion (AC-FUTT)			
																			near Westfield, Tex., West Fork San Jacinto River										
																			above Lake Houston near Porter, Tex.,										
																			Willow Creek near Tomball, Tex., Luce Bayou above										
																		08069000,	Lake Houston near Huffman, Tex., East Fork San										
																		08068090, 08068325, 08071280, 08070200.	Jacinto River near New Caney, Tex., Peach Creek at Solendora, Tex										
Houston, Lake		FY	168000	168000 [	DB07	San Jacinto	San Jacinto River	Harris	Houston	1	18 NE	Verified using Google Maps		н	29.92	-95.1317		08070200, 08071000, 08070500	Caney Creek near	08072050	San Jacinto River near Sheldon, Tex.	08072000	Lake Houston near Sheldon, Tex.	1999 Index of Stations		168000			
												Report 126,							Hubbard Creek below Albany, Tex., Big Sandy				Hubbard Creek						
Hubbard Creek Reservoir		SY	17325	16750	DB07 yyang: safe	yi Brazos	Hubbard Creek	Stephens	Breckenridge		6 NW	Verified using Google Maps		G	32.8283	-98.9633		08086212, 08086290	Creek above Breckenridge, Tex.	. 08088000	Brazos River near South Bend, Tex.	08086400	Reservoir near	1999 Index of Stations			4480	0 1200	2000
Hubert H Moss Lake		FV	4500	4500.0	DB07	Red	Fish Creek	Cooke	Gainesville		10 NW	11 miles		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			450	0	
Imperial Reservoir		FY	4000	4000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rio Grande	Pecos River	Pecos	Fort Stockton		25 N	Google Maps Verified using Google Maps		F	31.2617	-102.8467	Occupie Luiui	None	None	08446500	Pecos River near Girvin, Tex.	None	None	1999 Index of Stations				v	
inks Lake		FY				Colorado	Colorado River	Burnet	Burnet	,	12 W	Closer to 10 in Google Maps		к	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					
												Verified using							Colorado River		Colorado River near		Lake J.B. Thomas						
J B Thomas, Lake		FY-S	0			DUT Colorado	Colorado River	Scurry	Snyder		16 SW	Google Maps Verified using	1	F	32.5833			08117995	near Gail, Tex.	08120700	Cuthbert, Tex.  Neches River near	08118000	near Vincent, Tex.	1999 Index of Stations		30000			
Jacksonville, Lake		FY	6200	6200 E	DB07	Neches	Gum Creek	Cherokee	Jacksonville		5 SW	Google Maps	1	I	31.9083	-95.3103		None	None South Sulphur River at	08033000	Diboll, Tex.	None	None	1999 Index of Stations			620	0	
												Closer to 4 miles in					NID 2006,	07342465,	Commerce, Tex., Middle Sulphur River at		South Sulphur River		Cooper Lake near						
Jim Chapman Lake		FY	127983	117400	DB07	Sulphur	South Sulphur River	Delta, Hopkins	Cooper		4 SE	Google Maps		D	33.3356	-95.631	Google Earth	07342480	Commerce, Tex. Walnut Creek near	07342500	near Cooper, Tex.	07342495	Cooper, Tex.	1999 Index of Stations			12578	0 20740	)
Joe Pool Lake		FY	15333	10000	DB07	Trinity	Mountain Creek	Dallas	Dallas	,	10 SW	Verified using Google Maps		c	32 645		NID 2006, Google Earth		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			1587	9	1121
Johnson Creek Reservoir		FY	1785	1785 E	DB07	Cypress	Johnson Creek	Marion	Jefferson	1	3 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	3
Kemp, Lake		FY	90417	39250 E	DB07	Red	Wichita River	Baylor	Mabelle		6 NE	Verified using Google Maps	:	В	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	,	В	33.6633	-98.7783		None	None	07314500	Little Wichita River near Archer City, Tex.	07314000	Lake Kickapoo near				4000	0	
																					Cedar Creek at								
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	Interstate Highway 20	None	None	1999 Index of Stations			376	5	1235
																			Angelina River near Alto, Tex.,										
Kurth, Lake	Angelina River	FY	18420.83333	18400 E	DB07	Neches	Angelina River	Angelina	Lufkin		8 N	Report 126, Verified using Google Maps	!	ı	31.4511	-94.7	NID 2006, Google Earth	08036500, 08036700	Lake Nacogdoches near Nacogdoches Tex.	s 08039300	Sam Rayburn Reservoir near Jasper Tex.	None	None	1999 Index of Stations				19100	
																			East Fork Trinity River at McKinney		East Fork Trinity River								
Lavon Lake		FY	104000	104000 E	DB07	Trinity	East Fork Trinity River	Collin	Wylie	3 miles NE	NE	Google Map		С	33.033		NID 2006, Google Earth		Tex., Sister Grove Creek near Blue		near Forney, Tex., Lake Ray Hubbard l61 near Forney, Tex.		Lavon Lake near Lavon, Tex.	1999 Index of Stations			17330	0 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			545	0 350	500
																					West Fork San Jacinto River below Lake Conroe near Conroe,								
Lewis Creek Reservoir		FY	0			San Jacinto	Lewis Creek	Montgomery	Willis	3 miles W	w	Verified using Google Maps	!	н	30.43	-95.5433	Google Earth	None	None	08067650, 080	Tex., Lake Conroe nea 167 Conroe, Tex.	None	None	1999 Index of Stations				5000	)
																			Clear Creek near Sanger, Tex., Little Elm Creek near										
Lewisville Lake		FY	7702	6730 E	DB07	Trinity	Elm Fork Trinity River	Denton	Lewisville	2 miles NE	NE	Google Map		С	33.0692	-96.9633	NID 2006, Google Earth	08051500, 08052700, 08051100	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	39870	0 10300	4900
																			Navasota River above Groesbeck, Tex., Big Creek										
Limestone, Lake		FY	66190	58730 F	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	near Freestone, Tex. Trinity River near	08110500	Navasota River near Easterly, Tex.	08110470	Lake Limestone near Marquez, Tex.	1999 Index of Stations		65074			
																			Crockett, Tex., Bedias Creek near Madisonville, Tex.,										
Livingston, Lake		FY	1344000	1344000 E	DB07 Combined y	ield Trinity	Trinity River	Polk, San Jacinto, Trinity, Walker	Livingston	6 miles SW	sw	7 miles in Google Maps		н	30.6333	-95.0083	NID 2006	08065350, 08065800, 08066170	Kickapoo Creek near Onalaska, Tex.	08066250	Trinity River near Goodrich, Tex.	08066190	Livingston Reservoir near Goodrich, Tex.	1999 Index of Stations			48400	0 665950	104450
Loma Alta Lake	Rio Grande					Nueces-Rio Grande Coastal		Cameron	Brownsville	8 miles NE	NE	Verified using Google Maps	!	М	25.98	-97.3861		None	None	None	None	None	None	1999 Index of Stations					
																					Bridgeport Reservoir above Bridgeport, Tex								
Lost Creek Reservoir		FY	1440	1440	DB07	Trinity	Lost Creek	Jack	Jacksboro	3 miles NE	NE	Google Map		С	33.2433	-98.1197	NID 2006	None	None	08043000, 080	West Fork Trinity Rive 144 near Boyd, Tex.	None	None	1999 Index of Stations			91	0	

General Name	General Type	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights & Supply Yield	Water Rights Water & Supply & Su Yield Yie	pply	General Location	General Location	General Location	General Location		General Location	General Location	General Ger			General Location	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General Gauge	General	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 2060 Yield (acre-feet)	Source Yield Comi	nents River Bas	n Stream	County	Nearest town	Distance from Nearest Town (miles)	n irom	Source Location	Comments Location	Water Da Planning Cer Region Lati	ntral Ce	am ntral gitude	Source .at/Long	Upstream USGS Gauge Number(s)	Upstream USGS Gauge Name(s)	Down Stream USGS Gaug Number(s)	e Cours Names(s)			Source USGS Gauge Data	Comments USGS Gauge Data	Authorized Multiple Purpose Consumptive Diversion (Ac-Ft/Yr	Authorized Municipa	Authorized Industrial Consumptive Diversio (Ac-Ft/Yr)	Authorized Irrigation Consumptive Diversion (Ac-Ft/Yr)
																			Llano River at Llano, Tex., Sand Creek near Kingsland, Tex.,	y									
Lyndon B Johnson, Lake		N/A				Colorado	Colorado River	Burnet	Marble Falls	5 miles W	i	Closer to 4 miles in Google Maps		к	30.555	98.3383	08	8152000,	Colorado River near San Saba, Tex.	08158000	Colorado River at Austin, Tex.	None	None	1999 Index of Stations				1570	10
																					Prairie Dog Town Forl								
Mackenzie Reservoir Manor Lake		FY	0	0	DB07	Red	Tule Creek	Briscoe	Silverton	9 miles NW	NW	Verified using Google Maps		0 3	34.5451	101.438 Go	ogle Earth N	lone	None	07299540	Red River near Childress, Tex.	07298100	MacKenzie Reservenear Silverton, Tex.	1999 Index of Stations			4000	0 120	0
																			Llano River at Llano, Tex., Sand										
												2 Miles Google	,				08	8152000,	Creek near Kingsland, Tex., Colorado River near San Saba,		Colorado River at								
Marble Falls, Lake		FY				Colorado	Colorado River	Burnet	Marble Falls	0 mile SE	SE	Мар		K 3	30.5567	98.2567 Go	ogle Earth   08	8147000	Tex.	08158000	Austin, Tex.	None	None	1999 Index of Stations			40	0	167
Martin Lake		FY	25000	25000	DB07	Sabine	Martin Creek	Rusk, Panola	Tatum	3 miles SW	SW	Verified using Google Maps Verified using		3	32.2746	94.5517 Go	ogle Earth N	lone	None Medina River at	08022500	Sabine River at Logansport, La. Medina River at La	08022060	Martin Lake near Tatum, Tex. Medina Lake near	1999 Index of Stations				2500	0
Medina Lake		FY	0	0	DB07	San Antonio	Medina River	Medina	Bandera	16 miles SE	SE	Google Maps		L	29.54	98.9333	00	8178880	Bandera, Tex.	08180640	Coste, Tex.	08179500	San Antonio, Tex.	1999 Index of Stations			2089	4	45856
Meredith, Lake		FY	69750	69750	DB07 yyang:	the saf Canadian	Canadian River	Hutchinson	Sanford	1 miles NW	NW	Verified using Google Maps		A 3	35.7167 -1	01.5533 Go	0 2006, ogle Earth   07	7227500	Canadian River near Amarillo, Tex	. 07228000	Canadian River near Canadian, Tex.	None	None	1999 Index of Stations			100000	0 5120	10
Millers Creek Reservoir		SY	583	0	DB07	Brazos	Millers Creek	Baylor & Throckmorton	Goree	9 miles SE	SE	Verified using Google Maps		Water diversi 3	33.4221	99.3683 Go	ogle Earth 08	8082700	Millers Creek near Munday, Tex.	08088000	Brazos River near South Bend, Tex.	08082800	Millers Creek Reservoir near Bomarton, Tex.	1999 Index of Stations			350	0 100	0
Mineral Wells, Lake		FY	2505	2430	DB07	Brazos	Rock Creek	Parker	Mineral Wells	4 miles E	E	Verified using Google Maps				98.0417 NIE	N 2006,	lone	None	08090800	Brazos River near Dennis, Tex. Beals Creek near Westbrook, Tex.	None	None	1999 Index of Stations			252	0	
Mitchell County Reservoir		FY			yyang:	WAM Colorado	Beals Creek	Mitchell	Coahoma	12 miles SW	SW	Google Map		F	32.24	101.105 Go	ogle Earth N	lone	None	08123800	Westbrook, Tex.	None	None  Monticello Reservo	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 3	33.0818	95.0433	07	7344486	Brushy Creek at Scroggins, Tex.	07344500	Big Cypress Creek near Pittsburg, Tex.	07344488	near Mount Vernon Tex.	1999 Index of Stations				1630	0
												Closer to 3 miles in							Joe Pool Lake nea	ar.	Mountain Creek at		Mountain Creek Lal	ke					
Mountain Creek Lake		FY	6400		DB07	Trinity	Mountain Creek	Dallas		4 miles SE	SE	Google Maps Verified using				96.9433			Duncanville, Tex.	08050100	Grand Prairie, Tex. Sabine River at	08050050	Tex.	1999 Index of Stations				640	
Murvaul, Lake Nacogdoches, Lake		FY	21791.66667		DB07	Sabine Neches	Murvaul Bayou Bayou Loco	Panola Nacogdoches	Carthage Nacogdoches	10 miles SW 10 miles W		Verified using Google Maps			32.0333	-94.42 94.8267		lone	None	08022500	Logansport, La. Sam Rayburn Reservoir near Jasper Tex.	None r, 08036700	Lake Nacogdoches near Nacogdoches, Tex.	1999 Index of Stations			2128		3
Nasworthy, Lake		sy-s	12310		January 2006 Region F water plan Twin B	ittes op Colorado	South Concho River	Tom Green	San Angelo	6 miles SW	SW	Verified using Google Maps		F 3	31.3883 -1	00.4783	08	8128000	South Concho River at Christova TX	l, 08136000	Concho River at San Angelo, Tex.	08132000		1999 Index of Stations, Compilation of Surface ar Water Records in Texas through Dec. 1975			1700	0 700	00 1000
Navarro Mills Lake		FY	19400			Trinity	Richland Creek	Navarro	Corsicana	16 miles SW		Verified using Google Maps		c	31.96	-96.7	N	lone	None	08063100	Richland Creek near Dawson, Tex.	08063050	Navarro Mills Lake				1885	0 45	50
			15400	.5360			- Maria													,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				or outsile			1.000		
New Terrell City Lake		FY	2283	2200	DB07	Trinity	Muddy Cedar Creek	Kaufman	Terrell	6 miles E	E	Verified using Google Maps		C 3	32.7283	96.1733	N	lone	None	08063010	Cedar Creek Reservo near Trinidad, Tex.	None	None	1999 Index of Stations			600	0	
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		В 3	33.9858	98.7517 Go	ogle Earth N	lone	None	07312500	Wichita River at Wichita Falls, Tex.	07312380	North Fork Buffalo Creek Reservoir ne Iowa Park, Tex.	1999 Index of Stations			841	0	
North Lake	channel of Elm Fork Trinity River	FY	0		January 2006	Trinity	South Fork of Grapevine Cree	k Dallas	Coppell	2 miles SE	SE	Verified using Google Maps		c 3	32.9467	-96.97	N	lone	None North Concho	08057000	Trinity River at Dallas, Tex.  Concho River at San	None	None O.C. Fisher Lake at	1999 Index of Stations				100	0
O C Fisher Lake		sy-s	3862	3270	Region F water plan yyang:	with su Colorado	North Concho River	Tom Green	San Angelo	3 miles NW	NW	Verified using Google Maps	<u> </u>	F 3	31.4737 -1	00.4833 Go	ogle Earth 08	8134000	River near Carlsbad, Tex.	08136000	Concho River at San Angelo, Tex.	08134500		1999 Index of Stations		<u> </u>	8040	0	

General	General	Water Rights & Supply	Supply	Water Rights & Supply	& Supply	& Supply	I General	General	General	General	General	General	General	General Ge	eneral	General	General	General	General	General	General	General	General	General	General	Water Rights & Supply	Water Rights & Suppl	Water Rights	Water Rights
Name	Туре	Yield Type	Yield Year 2010 Yield	Yield Year 2060 Yield	Yield	Yield Location		Location	Location	Location  Distance fro	Direction	n	Cammonto	Water D	Dam	Location	Location	Gauge	D	Gauge Down Stream	Gauge  Down Stream USGS	Gauge Reservoir USGS	Gauge Reservoir USGS	Gauge Source USGS Gauge	Gauge  Comments USGS	Water Right  Authorized Multiple Purpose	Authorized Municipa	Water Right    Authorized Industr	Water Right rial Authorized Irrigati
Name	Stream if Off-Channel	(FY,SY,Other)	(acre-feet)	(acre-feet)	Source Yield	Comments Yield River Bas	sin Stream	County	Nearest tow	Nearest Tow (miles)	Mograet	Location				Central ongitude	Lat/Long	USGS Gauge Number(s)	Gaugo Namo(e)	JSGS Gauge Number(s)	Gauge Names(s)		Gauge Name	Data	Gauge Data		Consumptive Diversion (Ac-Ft/Yr	Consumptive Divers (Ac-Ft/Yr)	Consumptive Diversion (Ac-Ft/
					January 2006													08126380,	near Ballinger, Tex., Elm Creek at Ballinger, Tex.,										
O H Ivie Reservoir		SY-S	33479 (CRMWD sy		Region F	Colorado	Colorado River	Coleman	Paint Rock	15 miles E	E	Verified using Google Maps	F	= ;	31.5028	-99.6669	NID 2006, Google Earth	08127000,	Concho River at Paint Rock, Tex. 081	136700	Colorado River near Stacy, Tex.	08136600	O.H. Ivie Reservoir near Voss, Tex.	1999 Index of Stations			10300	10	0000
																			Bin Common Const.										
O' the Pines, Lake		FY	181869	181869		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. 073	346000 r	Big Cypress Creek near Jefferson, Tex.	07345900	Lake O' the Pines near Jefferson, Tex.	1999 Index of Stations			4007	151	800
Oak Creek Reservoir		SY-S	2118		January 2006 Region F water plan	Colorado	Oak Creek	Coke	Blackwell	5 miles SE		Closer to 4 miles in Google Maps	F	= ;	32.0417	-100.2667	NID 2006, Google Earth	None	None 081		Colorado River near Ballinger, Tex.	08125500	Oak Creek Reservoir near Blackwell, Tex.	1999 Index of Stations			600	0 4	1000
Olney / Lake Cooper, Lake		FY	961	961	DB07	Red	Mesquite Creek	Archer	Megargel	8 miles E	E	Verified using Google Maps	В	3 ;	33.4417	-98.7817	NID 2006	None	None 073		Little Wichita River near Archer City, Tex.	None	None	1999 Index of Stations			126	ס	
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			32.055	-95.4383		None	None 080	1032000	Neches River near Neches, Tex.	None	None	1999 Index of Stations			21391	23	8000
Palo Duro Reservoir		FY	3958	3750	DB07	Canadian	Palo Duro Creek	Hansford	Spearman	12 miles N	N	Verified using Google Maps	A	A ;	36.3617	-101.1633	NID 2006, Google Earth	None	None No	one N	None	07233550	Palo Duro Reservoir near Spearman, Tex.	1999 Index of Stations			1046	D	
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	3 :	32.6467	-98.2683		None	None 080		Brazos River near Dennis, Tex.	None	None	1999 Index of Stations			1250	6	8000
Pat Cleburne, Lake		FY	5245	4837	DB07	Brazos	Nolan River	Johnson	Cleburne	4 miles SW	sw	SW in Google Maps	G	3 ;	32.2876	-97.4167	Google Earth	None	None 080	1092000	Nolan River at Blum, Tex.	08091900	Lake Pat Cleburne, Tex.	1999 Index of Stations			576	0	
												Verified using					NID 2006,			F	Red River at Arthur								
Pat Mayse Lake		FY	59750	58000	DB07	Red	Sanders Creek	Lamar	Arthur City	2 miles SW	SW	Google Maps	D	) 3:	3.85333	-95.5533	Google Earth	None	None 073	335500	City, Tex.	None	None	1999 Index of Stations			2500	36	6610
Peacock Site 1A Tailings Reservoir		FY				yyang: WAM Cypress	Tr-Peacock Creek	Morris	Lone Star	2 miles NE	NE	Verified using Google Maps Verified using	D	)	32.97	-94.6818	NID 2006, Google Earth	1	None 073	'346000 r	Big Cypress Creek near Jefferson, Tex. Attoyac Bayou near	None	None	1999 Index of Stations					
Pinkston Reservoir		FY	2030.833333	1960	DB07	Neches	Sandy Creek	Shelby	Center	12.5 miles SV		Google Maps	1		31.705	-94.3646	Google Earth	None	None 080	038000	Chireno, Tex.	None	None	1999 Index of Stations			380	D	
Possum Kingdom Lake		FY	287030		Brazos River Authority	Brazos	Brazos River	Palo Pinto	Graham	18 Miles SE	SE	Report 126, Verified using Google Maps	G	3 :	32.8711	-98.4261	NID 2006, Google Earth	08088000	Brazos River near South Bend, Tex. 080 Sabana River near	1088610 E	Brazos River near Graford, Tex.	08088500	Possum Kingdom Lake near Graford, Tex.	1999 Index of Stations		23075	50		
Proctor Lake		FY		13492	DB07	Brazos	Leon River	Comanche	Proctor	3.5 miles W	w	3 Miles in Google Map	G	3 ;	31.9717	-98.4767	NID 2006, Google Earth	08099300, 08099100	De Leon, Tex., Leon River near De	100000 F	Leon River near Hamilton, Tex.	08099400	Proctor Lake near Proctor, Tex.	1999 Index of Stations		1965	58		
																			Rowlett Creek near Sachse, Tex., East										
																		08061540,	Fork Trinity River at McKinney, Tex., Sister Grove Creek										
Ray Hubbard, Lake		FY	60367	58700	DB07	Trinity	East Fork Trinity River	Rockwall, Dallas, Collin, Kaufman	Forney	approx 3 mile		Distance to Dam 8 Miles in Google Maps	c		32.8017	-96.5067		08058900,	near Blue Ridge, Tex., Lavon Lake near Lavon, Tex. 080	1061750 r	East Fork Trinity River near Forney, Tex.	08061550	Lake Ray Hubbard near Forney, Tex.	1999 Index of Stations		8970	00		
																			Elm Fork Trinity River at										
					2006 Region ( Water Plan,	С						Closer to 8 Miles in						08050400, 08050800,	Gainesville, Tex., Timber Creek near Collinsville, Tex., Range Creek near	r	Elm Fork Trinity River near Lewisville, Tex., Lewisville Lake near		Ray Roberts Lake						
Ray Roberts, Lake		FY	219424	204239	Table I-2	yyang: system Trinity	Elm Fork Trinity River	Denton	Sanger	5 miles E	E	Google Maps	c	3	33.3567	-97.0367	NID 2006	08050840	Collinsville, Tex. 080	053000, 08052	Lewisville, Tex.	08051100	near Pilot Point, Tex.	1999 Index of Stations			79960	D	
Red Bluff Reservoir		FY	41199	38570	DB07	yyang: the pla Rio Grande	Pecos River	Reeves, Loving	Orde	5 miles N	N	Report 126, Verified using Google Maps			31.9017	-103.91		08407500		F 1446500	Pecos River near Girvin, Tex.	None	None	1999 Index of Stations					292
Red Draw Reservoir		FY	41199	36370	<i></i>	yyang: the pia Rio Grande yyang: WAM s Colorado	Red Draw	Howard	Big Spring	5 miles N	E	Closer to 6 Miles in Google Maps	F				Google Earth			E	Beals Creek near Westbrook, Tex.	None	None	1999 Index of Stations					292
												14 Miles SW							Chambers Creek near Rice, Tex.,				Richland-Chambers						
Richland-Chambers Reservoir		FY	222625	218650	DB07	Trinity	Richland Creek	Navarro	Kerens	14.4 mi. N	N	in Google Maps	C	;	31.9667	-96.0937	NID 2006, Google Earth	08064100, 08063100	Richland Creek near Dawson, Tex. 080 North Sulphur	1065000	Trinity River near Oakwood, Tex.	08064550	Reservoir near Kerens, Tex.	1999 Index of Stations			20500	2	2500 2
												Verified using							River near Cooper, Tex., South Sulphur River near	s	Sulphur River below								
River Crest Lake	Sulphur River	FY	8635	8635	DB07	yyang: reg D v Sulphur		Red River	Bogata	7 miles SE	SE	Google Maps		) ;	33.3883	-95.1467			Cooper, Tex. 073	343210	Talco, Tex.	None	None	1999 Index of Stations				10	0000
																			Angelina River near Alto, Tex., Attoyac Bayou										
																		08036500,	near Chireno, Tex., Ayish Bayou near San Augustine,										
Sam Rayburn Reservoir		FY	820000	820000	DB07	Neches	Angelina River	Jasper	Jasper	10 miles NW	NW	Verified using Google Maps		:	31.0647	-94.087		08038000, 08039100,	Tex., Lake Nacogdoches near Nacogdoches, Tex. 080	1040600	Neches River near Town Bluff, Tex.	08039300	Sam Rayburn Reservoir near Jasper, Tex.	1999 Index of Stations			2800	0	
												Verified using									Beaver Creek near								
Santa Rosa Lake		FY	3075	3075	DB07	Red	Beaver Creek	Wilbarger	Vernon	15 miles S	s	Google Maps Verified using	В	3 ;	33.9409	-99.26		None	None 073	312200 E	Electra, Tex.  Brazos River near	None	None	1999 Index of Stations					307
Smithers Lake		FY	0			Brazos	Dry Creek	Fort Bend	Richmond	10 miles SE	SE	Google Maps	Н	4	29.488	-95.6242		None	None 081	116650 F	Rosharon, Tex.	None	None	1999 Index of Stations				28	3711

General	General	Supply	Water Rights & Supply	Water Rights & Supply	& Supply	& Supply	General	General	General	General	General		General		General	General	General	General	General	General	General	General	General	General	General	General	Water Rights & Supply	Water Rights & Supply		Water Rights
Name Name	Type Stream if Off-Channel		Yield Year 2010 Yield	Yield Year 2060 Yield	Yield Source Yield	Yield Comments	Location  River Basin	Location	Location	Location  Nearest town	Distance from	trom	Location	Comments	Water Planning	Dam Central	Dam Central	Source	Upstream USGS Gauge	Gauge Upstream USGS	Down Stream USGS Gaug	Down Stream USGS	Gauge Reservoir USG	Gauge S Reservoir USGS	Gauge Source USGS Gauge	Gauge  Comments USGS		Concumptivo	Water Right  Authorized Industrial Consumptive Diversion	Water Right  Authorized Irrigation Consumptive
Name	Stream if On-Ghamler	(FY,SY,Other)	(acre-feet)	(acre-feet)	Source Held	Yield	Niver Dasiii	Steam	County	Nearest town	(miles)	Nearest Town	Location	Location			Longitude	Lat/Long	Number(s)	Middle Yegua	Number(s)	Gauge Names(s)	Gauge Numbe	r Gauge Name	Data	Gauge Data	Consumptive Diversion (Ac-Ft/Yr)	Diversion (Ac-Ft/Yr)	(Ac-Ft/Yr)	Diversion (Ac-Ft/Y
Somerville Lake		FY	43148.83333	42043	DB07		Brazos	Yegua Creek	Burleson, Washington	Somerville	2 miles S	s	Verified using Google Maps	G		30.3314		NID 2006, Google Earth		Creek near Dime Box, Tex., East Yegua Creek near Dime Box, Tex.	08111500	Brazos River near Hempstead, Tex.	08109900	Somerville Lake neal Somerville, Tex.	r 1999 Index of Stations		48000			
South Texas Project Reservoir	Colorado River	FY				yyang: backed	Colorado		Matagorda		15 miles SW		Verified using Google Maps	k			-96.0583		08162500	Colorado River near Bay City, Tex		None	None	None	1999 Index of Stations				10200	0
																								Squaw Creek						
Squaw Creek Reservoir		FY	8810	8710	DB07		Brazos	Squaw Creek	Somervell & Hood	Glen Rose	4 miles N	N	Verified using Google Maps	G	i	32.2926	-97.76	Google Earth	None	None	08091750	Squaw Creek near Glen Rose, Tex.	08091730	Reservoir near Glen Rose, Tex.	1999 Index of Stations				2318	0
													Verified using									Clear Fork Brazos River at Fort Griffin,		Lake Stamford near						
Stamford, Lake		SY	5675	5300	DB07	yyang: 5792 if	Brazos	Paint Creek	Haskell	Haskell	10 miles SE	SE	Google Maps	G	3	33.0717	-99.56		None	None Lampasas River near Kempner,	08085500	Tex.	08084500	Haskell, Tex.	1999 Index of Stations			1000	)	
Stillhouse Hollow Lake		FY		67768	DB07		Brazos	Lampasas River	Bell	Belton	5 miles SW		Verified using Google Maps	G		31.0215	-97.531	NID 2006, Google Earth	08103800, 08103900	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			6776	3	
Striker, Lake		FY	20183.33333	16050	DB07		Neches	Striker Creek	Rusk, Cherokee	Henderson	18 miles SW	sw	Verified using Google Maps	ı		31.9335	-94.9789	Google Earth	None	None	08036500	Angelina River near Alto, Tex.	None	None	1999 Index of Stations				2060	0
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			
													Verified using									White Oak Creek nea								
Sulphur Springs, Lake		FY	9800	9800	DB07		Sulphur	White Oak Creek	Hopkins	Sulphur Springs	2 miles N	N	Google Maps		)	33.1733	-95.61		None	None	07343500	Talco, Tex.	None	None	1999 Index of Stations			980	)	
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	i	32.4383		NID 2006, Google Earth	None	None	08084000	Clear Fork Brazos River at Nugent, Tex.	08083200	Lake Sweetwater near Sweetwater, Tex.	1999 Index of Stations			273	96	0
																				Cowleech Fork Sabine River at Greenville, Tex., South Fork Sabine										
Tawakoni, Lake		FY	229807	221240	DB07		Sabine	Sabine River	Rains, Van Zandt, Hunt	Wills Point	9 miles NE	NE	Verified using Google Maps		)	32.81	-95.9167	NID 2006, Google Earth	08017200, 08017300	River near Quinlar Tex.	08017410	Sabine River near Wills Point, Tex.	08017400	Lake Tawakoni near Wills Point, Tex.	1999 Index of Stations		3500	23460		
																				Strane Park near Edna, Tex., Sandy Creek near	,									
																			08164390.	Ganado, Tex., West Mustang Creek near										
Texana, Lake		FY	74500	74500	DB07	yyang: exclud	Lavaca	Navidad River	Jackson	Edna	7 miles SW	sw	SW in Google Maps	F		28.89	-96.5783		08164450,	Ganado, Tex., Eas Mustang Creek at Farm Road 647 near Ganado, Tex		None	None	None	1999 Index of Stations			4651	3 3248:	2
Texoma, Lake		FY	138700	138700	DB07		Red	Red River	Grayson	Denison	5 miles 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			12530	2000	0 2
													Report 126,							Sabine River near Beckville, Tex.,				Toledo Bend						
Toledo Bend Reservoir		FY	750000	750000	DB07		Sabine	Sabine River	Newton, Panola, Sabine, Shelby	Burkeville	14 miles NE		Verified using Google Maps	River Mile 156 I		31.1783	-93.5667	Google Earth	08022040, 08022500	Sabine River at Logansport, La.	08026000	Sabine River near Burkeville, Tex.	08025350	Reservoir near	1999 Index of Stations			10000	60000	0 500
																				Shoal Creek at 12th Street, Austin Tex., Barton Springs at Austin,	,									
																			08156800,	Tex., East Bouldin Creek at South First Street, Austin	ı,									
Lady Bird Lake		FY				yyang: backed	Colorado	Colorado River	Travis	Austin	0 mile		Verified using Google Maps	k	:	30.25	-97.7133		08155500, 08157600, 08157700	Tex., Blunn Creek near Little Stacy Park, Austin, Tex.		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	3	31.5533	-96.98		None	None	08098290	Brazos River near Highbank, Tex.	None	None	1999 Index of Stations	See Lakes			1200	0
													Report 126, Verified using							Pedernales River near Johnson City		Colorado River at				Buchanan and Lyndon B. Johnson for additional				
Travis, Lake		FY	381545	374642	DB07	RAI: yield for H	Colorado	Colorado River	Travis	Austin	13 miles NW		Google Maps Verified using	k		30.3917	-97.9067		08153500	Tex.  Trinity River at	08158000	Austin, Tex.  Trinity River near	None	None	1999 Index of Stations	upstream gauges	1500000			
Trinidad Lake	Trinity River	FY	3067	2900	DB07		Trinity	Trinity River	Henderson	Trinidad	2 miles S	S	Google Maps	c	:	32.1117	-96.1033	NID 2006	08062700	Trinidad, Tex. Middle Concho River above	08065000	Oakwood, Tex.	None	None	1999 Index of Stations				400	0
																				Tankersley, Tex., Spring Creek above Tankersley,										
					January 2006 Region F			South Concho River, Spring Creek,					Verified using					NID 2006.	08128400, 08129300, 08130500,	Tex., Dove Creek at Knickerbocker, Tex., South Concho River at		Concho River at San Angelo, Tex., Lake Nasworthy near San		Twin Buttes Reservoir near San						
Twin Buttes Reservoir Twin Oak Reservoir		SY-S	12310	11360	water plan	Twin Buttes op	Colorado	and Middle Concho River  Duck Creek	Tom Green Robertson	San Angelo Franklin	8 miles SW	SW	Google Maps Verified using	F		31.3767	-100.5167 -96.4633	Google Earth	08128000 None	Christoval, Tex.	08136000, 08	132 Angelo, Tex.  Navasota River at Old San Antonio Road nei Bryan, Tex.		Angelo, Tex.	1999 Index of Stations 1999 Index of Stations			400	1320	250
Tyler, Lake		FY	35457.5	35295			Neches	Prairie Creek	Smith	Tyler	12 miles NV	SE	Google Maps Verified using Google Maps			32.2117		NID 2006, Google Earth	None	None	08036500	Angelina River near Alto, Tex.	None	None	1999 Index of Stations		40325		1320	
Lipper Nuesce Lake		FY				wang: it is a	Nueces		Zavala	Countral			Verified using						08192000	Nueces River	108102000	Nueces River near Asherton, Tex.	None	None						80
Upper Nueces Lake Valley Lake	Red River	FY	0	0	DB07	yyang: itisar	Nueces Red	Nueces River	Zavala Fannin	Crystal	6 miles N 2.5 miles N		Google Maps Verified using Google Maps	L C		28.7783	-99.8283 -96.3583	Google Earth		below Uvalde, Tex	07335500	Red River at Arthur City, Tex.	None	None	1999 Index of Stations 1999 Index of Stations				1000	

General	General	Supply	Water Rights & Supply	Supply	& Supply	Water Rights & Supply	General	General	General	Gener				General Gene			neral Ger	neral	General	General	General	General	General	General	General	General	Supply	Water Rights & Supp		
Name	Туре	Yield Type	Yield Year 2010 Yield	Yield	Yield	Yield	Location	Location	Location	Locatio	Distance	from Direct	tion	Location Loca			am Sou		Gauge	Gauge Upstream USGS	Gauge  Down Stream	Gauge  Down Stream USGS	Gauge Reservoir USGS	Gauge Reservoir USGS	Gauge Source USGS Gauge	Gauge  Comments USGS	Water Right  Authorized Multiple	Water Right  Authorized Municip	Water Right  al Authorized Indus	Water Right
Name	Stream if Off-Channel	(FY,SY,Other)		(acre-feet)	Source Yield	Comments Yield	River Basin	Stream	County	Nearest t	town Nearest (mile	rown Near	est Location	Comments Location Plant Regi	ion Centr	ral Cer ide Long				Gauge Name(s)		Gauge Names(s)			Data Data	Gauge Data	Purpose Consumptive Diversion (Ac-Ft/Yr)		Consumptive Dive (Ac-Ft/Yr)	csion Consumptive Diversion (Ac-Ft/Yr)
																				Medina River at San Antonio, Tex., San Antonio River										
																		08	ē,	at Loop 410 at San Antonio, Tex., Salado Creek										
Victor Braunig Lake		FY	12000	1200	00 DB07		San Antonio	Arroyo Seco	Bexar	Elmendorf	2 miles S	w sw	Verified using Google Maps	L	29	.2413 -	98.3717 Google	08	8178565, ( 8178800 S	(lower station) at San Antonio, Tex. North Bosque	08181800	San Antonio River near Elmendorf, Tex.	None	None	1999 Index of Stations				1	2000
																			P	River at Valley Mills, Tex., Hog Creek near										
													Verified using				NID 20	06, 08	B095200, P	Crawford, Tex., Middle Bosque River near		Brazos River at Waco,		Waco Lake near						
Waco, Lake Walter E Long, Lake		FY	79869	7986	9 DB07		Brazos	Bosque River  Decker Creek	McLennan	Waco	2 miles W		Google Maps  Verified using Google Maps	G			-97.202 Google 97.5967	Earth   08	8095300	McGregor, Tex.	08096500	Colorado River at Bastrop, Tex.	08095550	Waco, Tex.	1999 Index of Stations 1999 Index of Stations		58200	207		900
Walter E Long, Lake							Colorado	Decker Creek	ITAVIS	Austin	9 Tilles E		Google Maps		3	0.203	1.5967	INI	one r	Note	06159200	Waxahachie Creek	Notie	Ivorie	1999 IIIOEX OF STATIONS			203		0130
.Waxahachie, Lake		FY	2667	220	00 DB07		Trinity	South Prong Creek	Ellis	Waxahachi	ie 4 miles S	≣ SE	Report 126, Verified using Google Maps	c	32	.3417	-96.805	N	one I	None	08063800, 0806	near Bardwell, Tex., Bardwell Lake near	None	None	1999 Index of Stations			357	70	
													Verified using									Clear Fork Trinity River		Lake Weatherford near Weatherford,						
Weatherford Lake	<del></del>	FY	2750	200	00 DB07		Trinity	Clear Fork Trinity River	Parker	Weatherfor	rd 7 miles E	E	Google Maps	C	32	.7717	-97.675	Ni	one i	None	08045850	near Weatherford, Tex.	08045800	Tex.	1999 Index of Stations			45	00	600 120
																						Big Cypress Creek near Jefferson, Tex.,								
Welsh Reservoir		FY	3739	373	9 DB07		Cypress	Swauano Creek	Titus	Cason		1 NW	owner	D	3	3.044	94.8333	N	one I	None		Lake O' the Pines near Jefferson, Tex.	None	None	1999 Index of Stations				1	7000
White River Lake		FY	2430.5		8 DB07		Brazos	White River	Crosby	Crosbyton	16 miles	SE SE	Report 126, Verified using Google Maps	0	33	.4567 -1	NID 20 01.0853 Google	006, Earth N	one I	None		Salt Fork Brazos River near Aspermont, Tex.		White River Reservoir near Spur, Tex.	1999 Index of Stations			400	00	
													Verified using						į,	White Rock Creek at Greenville Avenue, Dallas,		Trinity River below								
White Rock Lake		FY	5083	100	00 DB07		Trinity	White Rock Creek	Dallas	Dallas	0 mile		Google Maps	C	3	2.815	-96.725	30	E	Tex. Brazos River near Glen Rose, Tex.,		Dallas, Tex.	None	None	1999 Index of Stations			5696	5.8	3000
																			B091000, F	Squaw Creek near Glen Rose, Tex., Paluxy River at Glen Rose, Tex										
Whitney, Lake		FY	18336	1833	6 DB07		Brazos	Brazos River	Hill, Bosque	Whitney	5.5 miles	sw sw	Verified using Google Maps	G	31	.8727 -9	NID 20 7.36667 Google	06, 08	8091500,	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	Red	Holiday Creek	Wichita	Wichita Fal	lls 6 miles S	w sw	Verified using Google Maps	В	33	.8439 -	98.5383 Google	Earth N	one I	None	07312700	Wichita River near Charlie, Tex.	None	None	1999 Index of Stations			728	89	672
Winters / New Lake Winters, Lake		SY-S	720	67	January 2006 Region F '0 water plan		Colorado	Elm Creek	Runnels	Winters	5 miles E	E	Verified using Google Maps	F	31	.9383 -	NID 20 99.8683 Google	006, Earth N	one I	None	08127000	Elm Creek at Ballinger, Tex.	None	None	1999 Index of Stations	Causes Coolings		13	60	
																			\ F	West Fork Trinity River near Boyd,						Gauges 08044500 and 08044800 are upstream of Eagle				
													Verified using					30	B044500, E	Tex., Walnut Creek at Reno, Tex., Eagle Mountain Reservoir above		West Fork Trinity River		Lake Worth above		Mountain Lake, Gauge 08045000 is the Eagle Mountain Lake Reservoir				
Worth, Lake		FY				yield included i	Trinity	West Fork Trinity River	Tarrant	Fort Worth		0 NW	Google Maps	С	32	.7917	-97.415	08	B045000 F	Fort Worth, Tex. Sulphur River	08048000	at Fort Worth, Tex.	08045400	Fort Worth, Tex.	1999 Index of Stations	Gauge		121	43	1000 145
Wright Patman Lake		FY	180000	18000	00 DB07		Sulphur	Sulphur River	Bowie, Cass	Texarkana		9 SW	Verified using Google Maps	b	3	3.305	-94.16	07	7343210, t	below Talco, Tex., White Oak Creek	None	None	07344200	Wright Patman Lake near Texarkana, Tex	1999 Index of Stations			450	00 13	5000
Tyler, Lake		FY	35457.5		95 DB07		Neches	Mud Creek	Smith	Tyler	12 miles		Verified using Google Maps	1			95.1717			None	08036500	Angelina River near Alto, Tex.	None	None	1999 Index of Stations		40325			
																			T			December 15								
Graham, Lake		SY	4400	365	0 DB07	yyang: safe yi	Brazos	Salt Creek	Young	Graham	2.2 miles	NW NW	Verified using Google Maps	G	33	.1333 -	NID 20 98.6168 Google	006, e Earth No	one i	None	08088500	Possum Kingdom Lake near Graford, Tex.	08088400	Lake Graham near Graham, Tex.	1999 Index of Stations			110	00	8400 100
	1	1	1	I.	1	1	I.	1	I	1			- 1		<u> </u>						1	I.	1	1	I.	I.	I.	I.	1	1

All references to left and right are facing

declining to respond responded to survey, did not specify wh does not give permission to share into a permission to share with TWDB did not respond to survey

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right		Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights WAM	Water Rights WAM					
Name	Authorized Mining	Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)		Total Authorized	Total Non Consumptive Use (Ac-Ft/Yr)		Type of Use, Multiple Purpose Consumptive Diversion		W	Permit Number(s)	Latest Amendment	Authorized Impoundment	Priority Date(s)	Source Water Rights Information	Comments Water Rights Information	WAM Reservoir	r WAM Control Point ID for Dam	Other Associated WAN	Hazard Rating	Completed Comparison to NID 2006?	Completed Comparison to Previous Report 126?	Completed Comparison to TCEQ WR	Modified or Built
			· · · · · · · · · · · · · · · · · · ·												RAI: From Report 126: Permi No. 253 (Application No. 259) September 7, 1918	t					126?	Database	after 1973
															authorized a dam to create a reservoir of 45,000 acre-feet capacity (actual capacity is only 9,790 acre-feet) and								
Abilene, Lake				1675				CA	CA12-4142			11868	01/23/1918	DB07, TCEQ Data	annual use of 1,675 acre-feet of water.	ABILNE	414231		High	Y	Y	Y	N
Alan Henry Reservoir				35000				Р	4155, or P4146	4146	A	115937	10/05/1981	Volumetric Survey		ALANHN	4146P1		High	Y	N/A	Y	Y
															RAI: From Report 126: Permi 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,								
Alcoa Lake				14000				CA	CA12-5272	3758	A	15650	12/12/1951		authorized increase in capacity to 14,750 ac-ft at elevation 468.5 ft above msl.	ALCOAL	527231		High	Y	Y	Y	
															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	COMAMI,							
Amistad, International Reservoir		2147279		2147279	1500000			Р	CA23-3603	3603	А		05/08/1978	TCEQ Database	use from the two international reservoirs.	TEXAMI	CT1160		High	Y	Y		Y
															RAI: From Report 126: Permi No. 1719 (Application No. 1853) August 19, 1954,								
													07/12/1954,		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								
Amon G Carter, Lake	200			5000				CA	CA08-3320			20000	08/19/1954		RAI: From Report 126: Water rights date back to Certified		B3320B		High	Y	Y	Y	Y, modified
															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								
Anahuac, Lake	800			142947				CA	CA08-4279		В		04/14/1906, 11/07/1936, 11/11/1971		ac-ft without changing the annual use of 35,300 ac-ft for		B4279C		Low	Y	Y	Y	Y, modified 1992
Aquilla Lake				13896				CA	CA12-5158			52400	10/25/1976	DB07, TCEQ Data		AQUILA	515831		High	Y	N/A	Y	Y
															RAI: From Report 126: Permi No 1797 (Application No. 1932) December 5, 1955 (revision of Permit No. 1716),								
													06/24/1914, 06/24/1919, 06/02/1954, 09/12/1955,		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								
Arlington, Lake				23120				CA	CA08-3391			45/10	12/13/1982		RAI: From Report 126: Permi No 2015 (Application No. 2196) June 1, 1962,	ARLING	B3319A		High	Y	Y	Y	Y
Arrowhead, Lake				45000				CA	CA02-5150			228000	06/20/1962	TCEQ Database	RAI: From Report 126: Permit	AROWHD	\$10030		High	Y	Y	Y	
															No 1915 (Application No. 2079) September 26, 1958, authorizes the construction of a dam to create a reservoir								
Athens, Lake				8500				CA	CA06-3256		В	32840	01/17/1955, 08/06/2003	DB07, TCEQ Data	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	
													06/30/1913, 06/27/1914,		RAI: From Report 126: Certified Filing No. 330 June 30, 1914. Prior rights were said to extend back to 1890				-				
Austin, Lake				295553				CA	CA14-5471		С		12/31/1928, 03/05/1959	TCEQ Database	when the first Austin Dam	LKAUST	110340		High	Υ	Υ	Y	Υ

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right		Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights WAM	Water Rights WAM					
Name	Authorized Mining	Authorized Domestic &		Total Authorized	Total Non	Type of Use, Non-Consumptive Diversion	Type of Use, Multiple Purpose Consumptive Diversion	Water Right		Permit Number(s)	Latest Amendment	Authorized Impoundment	Priority Date(s)	Source Water Rights Information	Comments Water Rights Information	WAM Reservoir	WAM Control	Other Associated WA	M Hazard Rating	Completed Comparison to NID 2006?	Completed Comparison to Previous Report	Completed Comparison to TCEQ WR	Modified or Built
B A Steinhagen Lake	(8.07)		(40.00)	792000				CA	CA06-4411 excluding the backups for other diversion		D		08/12/1913, 1/2/3/1924, 1/1/2/1963		RAI: From Report 126: Federal: River and Harbor Act, March 2, 1945, in the Iris session of the 79th Congress. Modified by Act, June Modified Part 1945, and 1945, and 1945, 2124 (Application No. 2298), 2124 (Application No. 2298), 2125 (Application	STEINH	4411N2		High	Υ	126?	Database	after 1973
													10/04/1946, 04/06/1925, 11/03/1913, 02/07/1930,										
Ballinger / Lake Moonen, Lake				1685				CA	CA14-1072		1072B, 1073A, 1074A, 1075A, 1129A, 1130A		06/11/1914, 03/06/1929, 02/25/1957	DB07, TCEQ Data	base	BALLIN	D40040		High	Y	N/A	Y	Y
Balmorhea, Lake				41400				P	A60 or P57	57		13583	10/05/1914	,	JPI:from wractive; RAI: From Report 126: Permit No. 57 (Application No. 60) March 6, 1915, allocates 41,400 ac-ft o water annually to irrigate 13,800 acres of land. This nocludes prior Certified Filings Permit No. 1392 (Application No. 1491) October 2, 1946, lafifies early water rights.		GT2390		High	Y	Y	Y	
Bardwell Lake				9600				CA	CA08-5021		D	54900	07/30/1956		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 9,000 ac-ft of water. The Authority has purchased the conservation storage space in		B5021A		High	Y	Y	Y	
Bastrop, Lake				10753				CA	CA14-5473	P-2054		16590	03/04/1963		RAI: From Report 126: Permit No. 2054 (Application No. 2054 (Application No. 2054 (Application No. 2056) June 10, 1963, authorizes a dam to impound 16,590 act for water with annual use of 10,750 act for cooling purposes in a steam-electric generating plant. The permit authorizes pumping from the Colorado River where required with water released from Lake Travis under Permit No. 1264.		J30030		High	Y	Y	Y	
Baylor Lake				397				CA	CA02-5221		5221A	7820	02/02/1949		RAI: From Report 126: Permi 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.		D10030		Significant	Y	Y	Y	N
Belton Lake  Bentbrook Lake				112257			Municipal, Industrial, Irrigation, Mining	CA P	CA12-1855	5157	2936A	457600	08/24/1953, 08/23/1954, 12/16/1963	DB07, TCEQ Date	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	BELTON	516031	283831, 283601 , 283602	High	Y	Y	Y of FW and BWSA V	N
Bob Sandlin, Läke				60430				CA	C4564,C4590		4590A	213350	12/20/1971, 09/16/1957		RAI: From Report 126: Permir 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		A10200		High	Y	Y	Y	N

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					
Name	Water Right  Authorized Mining	Water Right  Authorized Domestic &	Water Right  Authorized Other	Water Right  Total Authorized	Water Right  Total Non	Water Right  Type of Use, Non-Consumptive	Water Right  Type of Use, Multiple	Water Right	t Water Bight or Application	Permit	Water Right  Latest	Water Right  Authorized	Water Right	Water Right Source Water	Water Right  Comments Water Rights	WAM WAM Reservoir	WAM Control	WAM Other Associated WA	M Hazard	Completed	Completed Comparison to	Completed	
Name	(Ac-Ft/Yr)	Livestock Consumptive Diversion (Ac-Ft/Yr)	Consumptive Diversion (Ac-Ft/Yr)	Consumptive Diversion (Ac-Ft/Yr)	Consumptive Use (Ac-Ft/Yr)	Diversion	Purpose Consumptive Diversion	P)	Number(s)	Number(s)	Amendment	Impoundment	Priority Date(s)	Rights Information	Information			Control Point IDs		Comparison to NID 2006?	Previous Report 126?	Comparison to TCEQ WR Database	Modified or Built after 1973
															RAI: From Report 126: Permi 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								
Bonham, Lake				5340				CA	CA02-4925			13000	01/03/1966		industrial use. The lake may	BONHAM	X10270		High	Y	Y	Y	Y
															puposes. RAI: From Report 126: Permi 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								
Brady Creek Reservoir				3500				CA	CA14-1849		1849A	30000	09/02/1959	DB07, TCEQ Data	purposes.	BRADYC	E20090		High	Y	Y	Y	Y
Brandy Branch Cooling Pond				11000				CA	CA05-4647	3618	A	29513	08/21/1978	DB07, TCEQ Date	abase	BRANDY	E4647A		Low	Y	N/A	Υ	Y
															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: Permi No. 1631 (Application No.	t							
															1756) July 8, 1952 allows construction of a reservoir to store 21970 ac-ft of water								
													02/28/1929, 02/14/1942, 04/03/1951, 03/08/1976,		pumped from the Brazos River under Permit No. 1345. Water may be purchased from the Brazos River								
Brazoria Reservoir				85000				CA	CA12-5328		5328B	21973	01/14/1988	DB07, TCEQ Data	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
Uniugapuri, Lake	7300			27000				UA .	CAUG-3000		30000	367000	011121831		JJR: From Report 126:	DNIDGE	B3000A		riigii				IN.
															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								
Brownwood, Lake Bryan Utilities Lake				23770	5942			CA	CA14-2454 CA12-5268		2454A		09/29/1925	DB07, TCEQ Data	for irrigation purposes.	BROWNW BRUTIL	F30130 526831		High High	Y Y	Y o	onal irrigation water r	ights 1691, 1722 Y
															JJR: Permit No. 954 (Apllication No 1024) May 15,								
															1926; Permit No. 1259 ( Apllication 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								
Buchanan, Lake				1500000			Municipal, Industrial, Irrigation, Mining	CA	CA14-5478		С	992475	03/29/1926	TCEQ Database	demand periods. The vertical pump is driven by a 13,500 hp motot		120000		High	Y	Υ	Y	Y
Caddo Lake				3624	35899			Р	P04-4349	4349	A		04/18/1983	DB07, TCEQ Data	abase	CADDO	F10005		Low	Y	Y	Y	
Calaveras Lake			11	37011			Municipal, Domestic	CA	CA19-2162				04/25/1967	DB07, TCEQ Data		CALVER	216231		High	Y	Y	Y	
Canyon Lake				120000			Municipal, Domestic, Industrial, Irrigation	CA	CA18-4097		E		03/19/1956, 06/14/1999	DB07, TCEQ Data			207401	CP04	High	Y	Y	Y	
Casa Blanca Lake Cedar Bayou Generating Pond				600 30000				CA CA	CA23-2744 CA09-3927				07/20/1970 01/06/1967	TCEQ Database TCEQ Database		CASABL	DT1230 C3926A	C3926B	High Low	Y	Y N/A	Y	Υ
Cedar Creek Reservoir Colorado				2450				CA	CA14-5474			71400	02/03/1975	TCEQ Database		CEDARC	J10121		High	Y	N/A	Y	Y

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights WAM	Water Rights WAM					
Name	Authorized Mining	Authorized Domestic & Livestock Consumptive Diversion (Ac-Ft/Yr)	Authorized Other	Total Authorized	Total Non Consumptive Use (Ac-Ft/Yr)	Type of Use, Non-Consumptive Diversion				Latest Amendment	Authorized Impoundment	Priority Date(s)	Source Water		WAM Reservoir	WAM Control	Other Associated WAN Control Point IDs	Hazard Rating	Completed Comparison to NID 2006?	Completed Comparison to Previous Report	Completed Comparison to TCEQ WR	Modified or Built after 1973
																				126?	Database	after 1973
Cedar Creek Reservoir Trinity				227500				CA	CA08-4976	С	678900	05/28/1956, 09/07/2000	TCEQ Database		CEDAR	B4976A		High	Y	Y	Y	
Champion Creek Reservoir				6750					CA14-1009			04/08/1957	DB07, TCEQ Databa			B40000		Low	Y	Y	Y	N
Cherokee, Lake				62400			Municipal, Industrial		CA05-4642			10/05/1946	DB07, TCEQ Databa			E4642A		High	Y	Y	Y	N
Choke Canyon Reservoir		500		139000				CA	CA21-3214	В		07/19/1976 04/16/1920, 09/05/1978,	DB07, TCEQ Databa	ise	CCR	2731		High	Y	N/A	Y	Y, built
Cisco, Lake				2027					CA12-4211 CA14-1660	A	45000	Inspected 2006/Dam Inspection/TCEQ 02/02/1965	DB07, TCEQ Databa			421131 F31130		High	Y	Y	Y	N N
Coleman Lake				9000					CA14-1702	В		08/25/1958	DB07, TCEQ Databa			F30420		Significant High	Y	Y Y	Y	N N
				3000				- O.N.	0.114 1102		40000	00201000	SSOT, TOLIG SALASS		OCECIMA	1 00-120		i iigi		· · · · · · · · · · · · · · · · · · ·		
Coleto Creek Reservoir				32500				CA	CA18-5486		35084	01/07/1952, 01/10/1977	DB07, TCEQ Databa	ise	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 Databa	ise	COLOCI	B20020		Low	Y	Y	Y	N
Conroe, Lake	5500			100000				CA	CA10-4963		430260	01/12/1959	DB07, TCEQ Databa	ase	CONROE	A4963A		High	Y	Y	Y	N
Corpus Christi, Lake				300000				CA	CA21-2464		300000	12/26/1913, 01/15/1925	DB07, TCEQ Databa	ase	LCC	3131		High	Y	Υ	Y	Y
Creek Lake, Lake				10000				CA	CA12-4345		8500	03/06/1951	DB07, TCEQ Databa	ise	LAKECR	434531		Low	Y	Y	Y	
Crook, Lake				12000				CA	CA02-4943		11011	05/31/1922	DB07, TCEQ Databa	ase	CROOK	Y10330		High	Y	Y	Y	
Cypress Springs, Lake				15300				CA	CA04-4560	В	72800	01/31/1966	DB07, TCEQ Databa			A10340		Significant	Y	Υ	Y	Y, modified
								CA														
Davis, Lake				2100					CA12-3440	A		04/26/1946	DB07, TCEQ Databa	ise		421431 344031		High Significant	Y Y	Y N/A	Y	Y
Davis, Lake				2000				UA.	O. 12-0440		3350	00/13/13/35	TCEQ Database		LDAVIO	344031		Jogimican				
Diversion, Lake	2000		5850	193000				CA	CA02-5123		45000	10/02/1920	DB07, TCEQ Data Di	cludes water rights for Lake version and Lake Kemp.	DIVSON	P10110		High	Y	Υ	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	С	488760	08/17/1964	DB07, TCEQ Databa	ise		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	с	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

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Righ	Water Rights		Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights	Water Rights WAM	Water Rights WAM					
Name	Authorized Mining	Authorized Domestic &		Total Authorized	Total Non Consumptive Use (Ac-Ft/Yr)	Time of the New Consumpting	Type of Use, Multiple Purpose Consumptive Diversion	Water Righ	t Water Bight or Application	Permit Number(s)	Latest	Authorized Impoundment	Priority Date(s)	Source Water	Comments Water Rights	1	1	Other Associated WAN	Hazard Rating	Completed Comparison to NID 2006?		Completed Comparison to TCEQ WR	Modified or Built
															RAI: Water right includes an additional 800 ac-ft/yr diversion to store in Lake						126?	Database	after 1973
Electra, Lake				600				CA	CA02-5128				03/29/1949, 02/25/1974		Electra for emergency munipical use.	ELCTRA	O10020		Significant	Y	N/A	Υ	Y
													11/30/1942,										
Ellison Creek Reservoir				23000				CA	CA04-4582			24700	05/08/1972	DB07, TCEQ Data		ELLISN	B10170		High	Y	Y	ΥΥ	Y
Fairfield Lake				14150				CA	CA08-5040			50600	12/18/1967	DB07, TCEQ Data	base	FAIRFD	B5040A		Low	Y	Y	Y	
Falcon, International Reservoir					1200000	hydropower		P	P23-5066	5066	5 A		06/03/1986		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.	DT1001		High	Y	Y	Y	
																			3		·		
Lake Nocona			80	1260				CA	CA02-4879		A	25389	10/09/1958	DB07, TCEQ Data	base	NOCONA	V10070		High	Y	Y	Υ	
Forest Grove Reservoir				9500	877500			CA	CA08-4983			20038	11/18/1975	DB07, TCEQ Data	base	FOREST	B4983A		High	Y	N/A	Υ	Y
Fork Reservoir, Lake				188660	N/A	N/A		CA	CA05-4669	2948	a B	675810	06/26/1974, 04/16/1992	DB07, TCEQ Data	hasa	FORK	E4669A, E4469B		High	Y	N/A	Y	N
TOR Neservoir, Lake				100000	19/0	INA		- CA	CA05-4005	2540		0/3018	04/10/1882	DD07, TCLQ Data	Dase	TORK	L4009A, L4409D		riigii		167		
Fort Phantom Hill, Lake				33190				CA	CA12-4161		4139A, 4161B, 4165A		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 416 not included	5	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	12/15/1980, 02/22/1977	1	RAI: 6000 AFY for WR 5307 diverted from the Navasota River not included	GIBCRK	531131		Significant	Y	N/A	~	· ·
Gilmer, Lake		-		6180				P	P04-5272	5272			12/14/1989	DB07, TCEQ Data		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 Data	base	EDLGRM	d34583		High	Y	Y	Y	N
						n	nunicipal, industrial,								RAI: Did not include Water Rights 4114, 4062, and 4072								
Granbury, Lake	500	0	C	100000	350000		figation, mining	CA	CA12-5156		E	155000	02/13/1964	TCEQ Database,	which are all for irrigation	GRNBRY	515631		High	Y	Y	Y	Y
Granger Lake				19840		lr	Municipal, Industrial, rrigation, Mining	CA	CA12-5163				02/12/1968	TCEQ Database		GRNGER	516331		High	Υ	Y	Υ	Y
Grapevine Lake				161250		N ir	Municipal, Domestic, ndustrial	CA	C2362, C2363, C2458		2362A, 2363A, 2458C		09/28/1951, 04/22/1974, 02/11/1946, 07/06/1948	DB07, TCEQ Data		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	Υ	
Galveston County Reservoir				99932			Municipal, Industrial,	CA	CA11-5168		A		01/15/1926, 03/17/1947	TCEQ Database		RC5168	516841		High	Y	N/A	Y	Y
Halbert, Lake				4003				CA	CA08-5030				06/09/1924	DB07, TCEQ Data		HALBRT	B5030A		Significant	Y	Y	Y	
Hords Creek Lake		20		2240				CA	CA14-1705		A	7959	03/23/1946	DB07, TCEQ Data	base	HORDSC	F30370		High	Y	Y	Y	Y
Houston County Lake				3500				CA	CA08-5097			19500	03/03/1965	DB07, TCEQ Data	base	HOUCTY	B5087A		Low	Y	Y	Υ	N

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right		Water Rights Water Right	Water Rights Water Right	Water Rights	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights	Water Rights 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	on Permit Number(s)	Latest Amendment	Authorized Impoundment	Priority Date(s)	Source Water Rights Information	Comments Water Rights Information	WAM Reservoir	r WAM Control Point ID for Dam	Other Associated WAN	M Hazard Rating	Completed Comparison to NID 2006?	Completed Comparison to Previous Report	Completed Comparison to TCEQ WR	Modified or Built
																					126?	Database	after 1973
							Municipal, Industrial,																
Houston, Lake				168000			Irrigation	CA	C10-4965		A	160000	05/07/1940	DB07, TCEQ Datab	ease	HOUSTN	A4964A		High	Y	Y	Y	Y
Hubbard Creek Reservoir	6000	2000		56000				CA	CA12-4213		С	317750	05/28/1957, 08/14/1972	DB07, TCEQ Datab	ease	HUBBRD	421331		High	Y	Y	Y	Y
Hubert H Moss Lake				4500				CA	CA02-4881		В	23210	08/20/1962	DB07, TCEQ Datab	ease	MOSSLK	V10020		Significant	Y	Υ	Y	
Imperial Reservoir												9910				IMPERL	GT2010		Low	Y	N/A	Did not find water righ	Y
Inks Lake				0			Municipal, Industrial,	CA	CA14-5479			17545	03/29/1926	TCEQ Database		ROYINK	121280		High	Y	Y	Y	Y
J B Thomas, Lake  Jacksonville, Lake				30000			Mining		CA14-1002 CA06-3274		A		08/05/1946 03/24/1923, 12/21/1940, 06/13/1955	TCEQ Database DB07, TCEQ Datab		THOMAS JACKSN	A30060 3274N2		High	Y	Y	Y	N Y
Jacksonville, Lake				6200				CA	CAUG-32/4			30300	00/13/1955	DB07, TCEQ DataL	ase	JACKSIN	32/4142		High	<u> </u>		1	
Jim Chapman Lake				146520				CA	C4797, C4798, C4799		4797B, 4799C	310000	11/19/1965	DB07, TCEQ Datab	nase	CHAPMN	A40		High	Y	Y	Y	Y
Joe Pool Lake				17000				CA	CA08-3404		D	176900	01/20/1976, 11/09/2004		RAI: Amendment D includes euse with priority date 1/09/2004	JOPOOL	B3404A		High	Y	N/A	Y	Y
Johnson Creek Reservoir				6668				CA	CA04-4588	1963	3 B	10100	05/04/1960	DB07, TCEQ Datab	ase	JOHNSN	B10070		High	Y	Υ	Y	N
Kemp, Lake				0				CA	CA02-5123			318000	10/02/1920		RAI: Water rights for Lake Diversion and Lake Kemp ar ombined under Lake Diversion.	e 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		А	8500	10/10/1927, 03/12/1979	DB07, TCEQ Datab	ase	KIRBY	415031		High	Y	Y	Y	
Kurth, Lake				19100				CA	CA06-4393				09/05/1957	DB07, TCEQ Datab	ase	KURTH	439431		High	YY	Y	Y	
													09/08/1953, 08/02/1965, 09/10/1985, 07/22/1983, 03/24/1994										
Lavon Lake				177300				CA	CA08-2410		E		03/21/1952,	DB07, TCEQ Datab	ase	LAVON	B2410A		High	Y	Y	ΥΥ	
Leon, Lake				6300				CA	CA12-3470		В	28000	03/25/1986, 05/17/1931	DB07, TCEQ Datab	ease	LKLEON	347031		High	Υ	Υ	Υ	Y
Lewis Creek Reservoir					water is not for resale only used for power plant cooling purposes	1		CA	C10-4966			17000	08/08/1967	TCEQ Database		LEWIS	A4966A		High	Y	Y	Y	N
													01/25/1924,										
Lewisville Lake		1000	100	0 608400	451030	cooling	municipal, domestic	CA	CA08-1415		2456F		10/05/1948, 11/24/1948, 11/24/1975	DB07, TCEQ Datab	ase	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 Datab	nase	LIVSTN Z2R1AB,	B4248A	B4248B	High	Y	Y	Y	Y, Modified
Loma Alta Lake				0								26500				Z2PRS2, Z2PRS3	Y10010	Y10090		N/A	Y	Did not find in TCEQ	database
Lost Creek Reservoir				910				CA	CA08-3313		3313A, 3808B		03/18/1949, 11/15/1962, 04/25/1977	DB07, TCEQ Datab	ase	LOSTCK	B3313B		Significant	Υ	N/A	Y	Y, Built 1989

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right		Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights WAM	Water Rights 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
															ryang:							Database	atel 1973
Lyndon B Johnson, Lake				15700				CA	CA14-5480			138500	03/29/1926	1 10	er Nadira's comment, the 5,700 is part of Travis-	LAKLBJ	120820		High	Y	Y	Y	Y
Mackenzie Reservoir Manor Lake				5200				CA	CA02-5211 CA12-4843			46450	06/26/1967	DB07, TCEQ Datal	pase	MAKNZE	D10130		Low	Y	Y	Y	Y
															ıvana:								
Marble Falls, Lake				567	1811820	hydroelectric		CA	CA14-2632		В		04/04/1895, 03/27/1905, 03/29/1926	1	ryang: per Nadira's comment, the 15,700 is part of Travis- Buchannan permit	MARBLE	120590		Significant	Y	Y	Y	Y
Martin Lake				25000				CA	CA05-4649		A	56500	07/19/1971	DB07, TCEQ Datal	pase	MARTIN	E4649A		High	Y	Y	Y	Y
Medina Lake				66750	66000	hydroelectric		CA	CA19-2130		E	237874	11/16/1910	DB07, TCEQ Data	pase	MEDINA	CP21		High	Y	Y	Y	
Meredith, Lake				151200				CA	CA01-3782			1407572	01/30/1956	DB07, TCEQ Datal	pase	MERDTH	B10130		High	Y	Y	Y	N
Millers Creek Reservoir	500			5000				CA	CA12-3444			30696	10/01/1958	DB07, TCEQ Datal	oase	MLRCRK	344431		Significant	Y	Y	Y	N
Mineral Wells, Lake				2520					CA12-4039			7065	11/15/1920, 03/22/1943	DB07, TCEQ Datal	pase RAI: water rights included with Lake EV Spence		403931		High	Y	Y	Y	Y
Mitchell County Reservoir				0				CA	CA14-1008		С	27266	08/17/1964	TCEQ Database V	vith 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 Data	pase	LKMONT	A10240		High	Y	Y	Y	
Mountain Creek Lake				6400					CA08-3408					DB07, TCEQ Datal			B3408A		High	Y	Y	Y	N
Murvaul, Lake Nacogdoches, Lake				22400					CA05-4654 CA06-4864		A		07/19/1956	DB07, TCEQ Datal			E4654A 4864A		High High	Y	Y N/A	Y	N Y
																				·			
Nasworthy, Lake				25000				CA	CA14-1319		В	12500	03/11/1929	DB07, TCEQ Datal	pase	NASWOR	C20240		High	Y	Y	Y	
Navarro Mills Lake		100		19400				CA	CA08-4992			63300	10/04/1957, 11/22/1982	DB07, TCEQ Datal	pase	NAVARO	B4992A		High	Y	Y	Y	
New Terrell City Lake				6000				CA	CA08-4972			8712	02/23/1954	DB07, TCEQ Datal	pase	TERREL	B4972A		High	Y	Y	Y	
North Fork Buffalo Creek Reservoir				840				CA	CA02-5131			15400	09/19/1962	DB07, TCEQ Datal	nase	NFBUFF	P10060		High	Y	Y	Y	
North Fork Buttalo Creek Reservoir  North Lake				1000					CA02-5131 CA08-2365				09/19/1962	DB07, TCEQ Datal			P10060 B2365A		High High	Y	Y	Y	
O C Fisher Lake				80400				CA	CA14-1190		A	80400	05/27/1949	DB07, TCEQ Datal		OCFISH	C20040		High	Y	Y	Y	

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights	Water Rights	Water Rights Water Righ	Water Rights		s Water Rights t Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights WAM	Water Rights 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 Righ Type (CA o P)	Water Right or Application Number(s)	on Permit Number(s	Latest Amendment	Authorized Impoundment	Priority Date(s)	Source Water Rights Information	omments Water Rights Information	WAM Reservoir	WAM Control Point ID for Dam	Other Associated WAN 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
																						Database	
O H Ivie Reservoir				113000				Р	P14-3866	36	76 E	554340	02/21/1978	DB07, TCEQ Databas	Se	OHIVIE	D20050		High	Y	N/A	Y	Y
O' the Pines, Lake				191870				CA	CA04-4590			251000	09/16/1957	DB07, TCEQ Databas	20	LKOPNS	B10020		High	Y	Y	Y	
Oak Creek Reservoir				10000				CA	CA14-1031		Δ.		04/27/1949	DB07, TCEQ Databas			D40620		High	Y	Y	Y	
Oak Gleek Neselvoli				10000				UA .	CA14-1031			30000	04/27/1848	JPI	: n wractiveJPI:	OAKCKK	D40020		nigh.	'		'	
Olney / Lake Cooper, Lake				1260				CA	CA02-5146			6650	03/26/1953, 08/11/1980	froi	n wractiveJPI: n wractiveJPI:	COOPER	R10070		Low	Y	N/A	Y	Y
							contracts with Dallas,						04/30/1956, 03/09/1967, 12/16/1968, 09/15/1969,										
Palestine, Lake		600		238110			Tyler, Palestine; smaller contracts with Monarch Utilities, Emerald Bay Golf, Super Tree Farm		CA06-3254		С		09/14/1970, 03/21/1983, 04/25/1983, 10/01/1984	DB07, TCEQ Databas	se	PALEST	3254N1		High	Y	Y	Y	Y
Palo Duro Reservoir				10460				CA	CA01-3803			60900	04/23/1974	DB07, TCEQ Databas		PALDUR	F10020		High	Υ	N/A	Υ	Y
Palo Pinto, Lake				18500				CA	CA12-4031			44100	07/03/1962, 09/08/1964 08/06/1962,	DB07, TCEQ Databas	se	PLPNTO	403131		High	Υ	Y	Υ	Y
Pat Cleburne, Lake				6000				CA	CA12-4106		С		03/29/1976, 08/30/2004	DB07, TCEQ Databas	se	CLEBRN	410631		High	Y	Y	Y	N
Pat Mayse Lake				61610				CA	CA02-4940		A	124500	11/05/1964	DB07, TCEQ Databas	se	MAYSE	X10010		High	Y	Y	Y	
												24,000 acre-feet of impoundments for a group of reservoirs, however, only Peacock											
Peacock Site 1A Tailings Reservoir				0					CA04-4582			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 Databas	Se .	PINKST	4404A		Significant	Υ	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	
				89700			Municipal, Industrial, Irrigation, Mining, Domestic	CA	CA08-2462			400000	02/02/1955			HUBBRD	B2462A			Y	Y	Y	
Ray Hubbard, Lake				39700			Donestic	CA	CAU6-2462			490000	02/02/1955	DB07, TCEQ Databas	58	ПОВВКО	D2402A		High	<u> </u>	Y	<u> </u>	Y
Ray Roberts, Lake				799600	445400	hydroelectric		CA	C2335, C2455		2335A, 2455A	700000	11/24/1975	DB07, TCEQ Databas		ROBDEN, ROBDAL	B2335A		Lliab	Y	N/A	Y	Y
Ray Roberts, Lake				799600	115100	nydroelectric		CA	C2335, C2455		2335A, 2455A		01/01/1980, 04/11/1908, 06/20/1908,	DB07, TCEQ Databas	Se	ROBDAL	B2335A		High	Y	N/A	Υ	Y
Red Bluff Reservoir				292500				CA	CA23-5438				06/18/1906, 04/30/1988, 06/01/1990	DB07, TCEQ Databas	I: Water rights are	RDBLUF	GT3010		High	Y	Y	Y	
Red Draw Reservoir				0				CA	CA14-1008		С		08/17/1964	TCEQ Database Spi	uded with Lake EV ence	1008EV	B30010		High	Y	N/A	ΥΥ	Y
Richland-Chambers Reservoir				210000				CA	C5030, C5035		5035C		02/27/1950, 10/18/1954, 09/07/2000	DB07, TCEQ Data not	l: 63,000 AFY return flows 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
									CA06-4411 excluding the				08/12/1913, 12/31/1924,	RA	I: Shares water rights with	1							
Sam Rayburn Reservoir				28000				CA	backups for other diversion		D		11/12/1963	DB07, TCEQ Date B.A	. Steinhagen Reservoir	RAYBRN	4411A1		High	Y	Y	Y	Y
Santa Rosa Lake				3075.1				CA	CA02-5124				06/30/1926 12/16/1955, 10/10/1978,	DB07, TCEQ Databas	se	SROSA	O10090		High	Y	Y	Υ	Y, Modified
Smithers Lake				28711	5589	9		CA	CA12-5325		A	18750	01/03/1984	TCEQ Database		SMTHRS	532531		Significant	Υ	Y	ΥΥ	

General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Rig			nts Water Rights	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights WAM	Water Rights 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 Consumptiv Diversion	Water Rig Type (CA P)	ht or Water Right or Application Number(s)	Permit Number(s	Latest s) 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 WAN 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
Somerville Lake				48000			Municipal, Industrial, Irrigation, Mining	CA	CA12-5164			16011	0 12/16/1963	TCEQ Database		SMRVLE	516431		High	Y	Υ	Y	
				102000				CA	CA14-5437				06/10/1974, 0 03/25/1986				M10020			Y	N/A	γ	Y
South Texas Project Reservoir				102000				CA	LA14-9437			20260	0.03/29/1986	TCEQ Database		SIHIEX	M10020		Significant	Y	N/A	Y	Y
Squaw Creek Reservoir				23180				CA	CA12-4097			15150	0 04/25/1973	DB07, TCEQ Datab	ase	SQWCRK	409732		High	Y	N/A	Y	Y
Stamford, Lake				10000				CA	CA12-4179		В	5981	0 06/08/1949	DB07, TCEQ Datab	ase	STMFRD	417931		Low	Y	Y	Y	Y
Stillhouse Hollow Lake				67768				CA	CA12-5161			23570	0 12/16/1963	TCEQ Database		STLHSE	516131		High	Y	Y	Υ	
Grimiodde Fioliow Edite				07700					0.112.0101			20070	0 12 10 1000	TOES DUMBUOC		OTETIOE	0.0101		l ngn		<u> </u>		
Striker, Lake				20600				CA	CA06-4847			2696	0 12/05/1955	DB07, TCEQ Datab	ase	STRIKR	4847A		Low	Y	Y	Y	N
Sulphur Draw Storage Reservoir				2500			Industrial, Mining	P	P14-5457	54	157	799	7 04/01/1993	TCEQ Database		B30014, OC0001	B30340		Significant	Y	N/A	Y	Y
																						٧	
Sulphur Springs, Lake				9800				CA	CA03-4811		В	1/83	8 07/24/1951	DB07, TCEQ Datab	ase	S_SPRG	D120		High	Y	Y	ΥΥ	Y
Sweetwater, Lake				3740				CA	CA12-4130			1000	0 10/17/1927	DB07, TCEQ Datab	ase	LSWEET	413031		High	Y	Y	Y	
													09/12/1955,										
Tawakoni, Lake				238100			Municipal, Industrial	CA	CA05-4670	17	792	92744	08/13/1985, 0 05/21/1986	DB07, TCEQ Data 1	itest amendment on May 2, 988	TAWAKO	E4670A		High	Y	Y	Y	Y
													05/15/1972,										
Texana, Lake				79000				CA	CA16-2095		D	17030	0 05/24/1982 11/27/1956, 09/10/1985.	DB07, TCEQ Datab	ase	TEXANA	DV221A		High	Y	N/A	Y	Y
Texoma, Lake	100			145650				CA & P	P2006, P5003, C4898, C4899 C4900, C4901	5003, 4301	P5003A, P2006A		07/08/1974, 07/05/1967, 07/20/1959, 06/10/1960, 0 03/19/1952	R W DB07, TCEQ Date	Al: 113,000 AFY per P5003 ith priority date 09/28/2005 of included	OKTEX,	W10060		High	٧	٧	٧	
Torona, Luko														SSOT, TOEG SUI,					i i i gi				
Toledo Bend Reservoir				750000	65700	hydroelectric		CA	CA05-4658		A	447700	03/05/1958, 0 01/22/1986	DB07, TCEQ Datab	ase	TOLEDO	E4658A, USRBU		High	Y	Y	Y	
													06/30/1913,										
								CA	CA14-5471			050	06/27/1914, 12/31/1928, 0 03/05/1959	TOFO BUILDING	PI: see Lake Austin	TOWNLK	110030		0::	Y	N/A	Υ	
Lady Bird Lake								CA	CA14-5471					TCEQ Database (J	FI. SEE LAKE AUSUII	TOWNER	110030		Significant	1	N/A		
Tradinghouse Creek Reservoir				12000	15000	industrial		CA	CA12-4342			3780	08/21/1926, 0 09/16/1966	DB07, TCEQ Datab	ase	TRCRLK	434231		High	Y	Y	Y	+
Travis, Lake				1500000			Municipal, Industrial, Irrigation, Mining	CA & P	C5482, P5730, P5677	5730, 5677	5482C		03/29/1926, 03/07/1938, 2 02/02/2000	DB07, TCEQ Date to	Al: Did not find the permits verify information	TRAVIS	110340		High	Y	Y	Y	
Trinidad Lake				4000				CA	CA08-4984			620	0 12/12/1924	DB07, TCEQ Datab	ase	TRINDD	B4970A		Low	Y	Y	Y	
.Twin Buttes Reservoir				29000				CA	CA14-1318		А	17000	0 05/06/1959	DB07, TCEQ Datab	ase	TWINBU	C20260		High	Y	Y	Y	
Twin Oak Reservoir				13200	1364800	industrial		CA	CA12-5298				9 07/01/1974	DB07, TCEQ Datab	ase	TWNOAK	529831		Significant	Y	N/A	Υ	Y
Tyler, Lake				40325			Municipal, Industrial, Domestic	CA	CA06-4853				12/19/1947, 05/25/1953, 0 08/08/1956	DB07, TCEQ Datab	ase	TYLER	4853A		High	Υ	Y	Υ	
Upper Nueces Lake				8000				CA	CA21-3082			401	05/23/1913, 10/05/1925, 0 07/10/1945	Ji fr	PI: om wractiveJPI: om wractiveJPI:		308210		Significant	Y	Y	Y	
Valley Lake				10000				CA	CA02-4900			1500	07/20/1959, 0.06/10/1960	DB07, TCEQ Datab	ase	VALLEY	X10490		High	Y	Y	Υ	

The contract   The	General Name	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right		Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights Water Right	Water Rights WAM	Water Rights	Water Rights WAM					
No.   1985     No.   1985     No.   1985     No.   1985     No.   1985     No.   1985     No.   1985     No.   1985     No.	Name	Consumptive Diversion	Livestock Consumptive	Consumptive Diversion	Consumptive Diversion	Consumptive Use	Type of Use, Non-Consumptive Diversion	Purpose Consumptive	Type (CA or	water Right of Application				Priority Date(s)	Rights	Comments Water Rights Information	WAM Reservoir	r 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	Modified or Built
Marie   Mari																							Database	after 1973
Marie   Mari																								
No.   No.	Victor Braunig Lake				12000	)			CA	CA19-2161		A	26500	04/13/1961	DB07, TCEQ Databa	se	BRAUNG	216131		High	Y	Y	Y	Y
No.   No.														04/16/1958, 02/21/1979, 09/12/1986,			WACO2, WACO4,							
The content of the											5094	2315C	192062	01/21/1988		se	WACO5			High				Y
Company   Comp	Walter E Long, Lake				36456	5			CA	CA14-5489		A	33940	08/20/1945		II: C5021A includes	DECKER	J30330		High	Y	Y	Y	N
100 DECEMBER 100 D	Wayahachie Lake				3570				CA	C408-5018		50184	13500	12/20/1954	div Wa Wa	rersion of Lake Bardwell ater Right from Lake axahachie. That amount	WAXAHC	B5018A		High	٧	·	<b>v</b>	
The content of the	TOTAL ROOM, LANC				3370					0.000000		00101	10000	12201004	SSOT, TOLIG SAILIA	o not been molecus.	W. Surio	50010/1		i iigii			· · · · · · · · · · · · · · · · · · ·	
Non-first and   160	Weatherford Lake				5220	59400	industrial		CA	CA08-3356		A	19470	08/16/1954, 12/01/1969	DB07, TCEQ Databa	se	WTHRFD	B3356A		High	Y	Y	Y	
Non-first and   160																								
Non-first and   160																								
Column   C	Welsh Reservoir				17000				CA	CA04-4576	2926	А	23587	09/10/1973	DB07, TCEQ Databa	se	WELSH	B10270		High	Y	Y	Y	
### ROLLING	White River Lake	2000	)		6000				CA	CA12-3693			44897	09/22/1958	DB07, TCEQ Databa	se	WHTRVR	369331		High	Y	Y	Y	N
### ROLLING																								
### ROLLING																								
### ROLLING																								
Prince   Col.   1970																								
Prince   Col.   1970																								
Prince   Col.   1970																								
Prince   Col.   1970																								
Sharing   Shar	White Rock Lake			6.35	8703.15				CA	CA08-2461		В	21345	04/22/1914, 08/16/1982	DB07, TCEQ Databa	se	WHITER	B2461A		High	Y	Y	Y	
Sharing   Shar																								
Victorial Lake	Whitney, Lake				18336			Municipal, Industrial	CA	CA12-5157			50000	08/30/1982	TCEQ Database		WHITNY, BRA, CORWHT	515731		High	Y	Y	Υ	
Virinters   New Lake Writters, Lake   13000   CA   CA14-1095   B   8374   0605/1957   DB07, TCEO Data (not returned to stream)   ELMCRK   D30450   High   Y   Y   Y					7961				CA	CA02-5122				06/29/1914,			WICHTA	Q10080		High	Y	Y	Y	Y
Worth, Lake 13288 CA CA08-3340 38124 0627/1914 TCEO Database WORTH 53340A High Y Y Y Y  Wright Partner Lake 180000 CA CA03-4836 38600/22/17/957 D807, TCEO Database PATMAN F80 High Y Y Y  Tyler, Lake 40325 Domestic CA CA06-4853 87100 68081956 D807, TCEO Database TYLER 4853A High														12/18/1944,	RA reu	I: water right also allows use of 395 AFY for irrigatio	in							
Ministral   18000   CA   CA03-4836   38600(021719157   DB07, TCEQ Database   PATMAN   F60   High   Y   Y   Y	Winters / New Lake Winters, Lake				1360				CA	CA14-1095		В	8374	06/05/1957	DB07, TCEQ Data (no	ot returned to stream)	ELMCRK	D30450		High	Y	N/A	Y	Y
Ministral   18000   CA   CA03-4836   38600(021719157   DB07, TCEQ Database   PATMAN   F60   High   Y   Y   Y																								
Municipal, Industrial,   CA   CA03-4836   38800(02)17/1957   DB07, TCEQ Database   PATMAN   F60   High   Y   Y   Y   Y   Y   Y   Y   Y   Y	Worth, Lake				13288	8			CA	CA08-3340			38124	06/27/1914	TCEQ Database		WORTH	B3340A		High	Y	Y	Y	Y
Municipal, Industrial, Tyler, Lake  40325  Municipal, Industrial, Domestic  CA  CA06-4853  B7100  B087, TCEQ Database  TYLER  4853A  High  111/21/1927,	Wright Patman Lake				180000	)			CA	CA03-4836			386900	02/17/1957	DB07, TCEQ Databa	se	PATMAN	F60		High	Y	Y	Υ	
Graham, Lake 550 2000 CA CA12-3458 52386 11/15/1954 DB07, TCEQ Database EDLGRM d34583 High	Tyler, Lake				40325	5		Municipal, Industrial, Domestic	CA	CA06-4853				05/25/1953	DB07, TCEQ Databa	se	TYLER	4853A		High				
Graham, Lake 500 20000 CA CA12-3458 52386 11/15/1954 DB07, TCEQ Database EDLGRM d34583 High																								
	Graham, Lake	500			20000				CA	CA12-3458			52386	11/21/1927, 11/15/1954	DB07, TCEQ Databa	se	EDLGRM	d34583		High				

All references to left and right are facing declining to respond responded to survey, did not specify which was not give permission to share and TWDB did not respond to survey