

LADOTD DAM INSPECTION AND EVALUATION REPORT

Inspection Date: 07/21/2026

Reviewed and Approved by:

Name (Signature):  8/5/2026

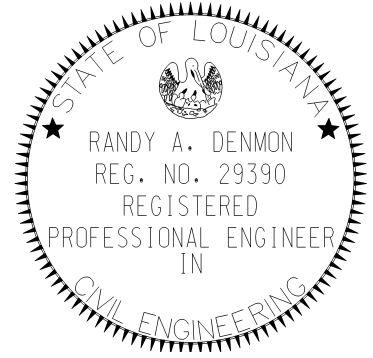
Name (Typed or Printed): Randy Denmon, P.E.

Firm Name: Volkert, Inc.

Address: 114 Venable Lane

City, State, Zip Code: Monroe, LA 71203

Phone: (318) 388-1422



Name of Dam: Caney Creek

Downstream Hazard: High

NID ID #: LA00385

Parish: Jackson

DOTD District: 05

District Contact: Matthew French, P.E.

■ OWNER INFORMATION

Name of Owner Jackson Parish Watershed District

Person(s) to Contact Gary Joynor, Kent Hightower
P.O. Box 398
Jonesboro, LA, 71251
Tel.: 318-251-5068

Bridget Skinner, Area Engineer
PO Box 4068
Monroe, LA, 71211
Tel.: 318-251-5068

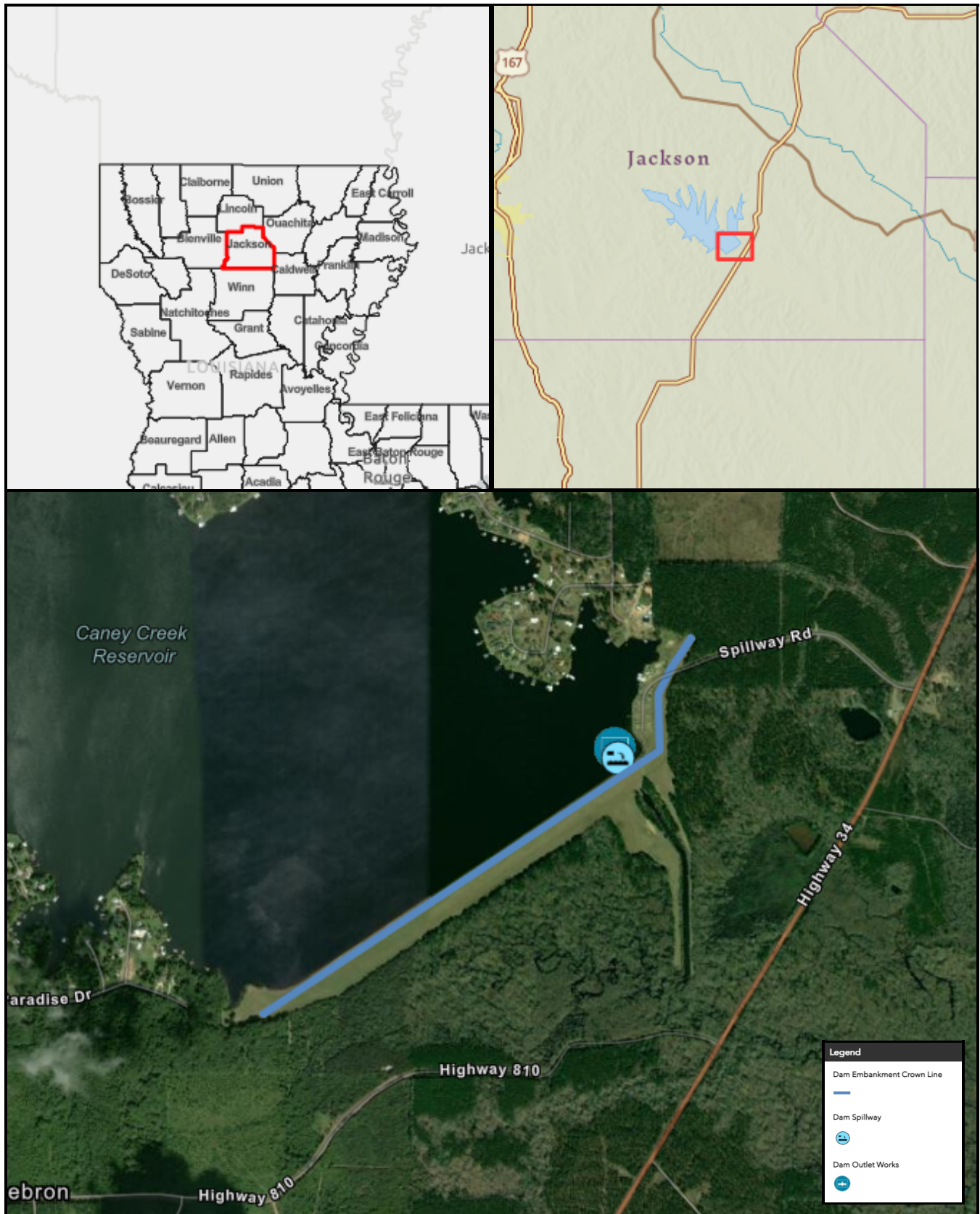
Jeff Sibley, Fisheries Biologist Manager
9961 Hwy 80
Minden, LA, 71055
Tel.: 318-371-5294

■ DAM INFORMATION

Location of Dam

From Chatham, go south on Highway 34 to Spillway Road. Take a right on Spillway Road and go 0.5 to the dam.

■ DAM LOCATION MAPS



Description of Dam

The Caney Creek Dam consists of an earthen embankment that runs along the southeastern shore of the reservoir and has a dam length of approximately 6,190 feet. The dam crest elevation varies from 213 to 215 feet MSL. The primary spillway is a drop inlet tower with a crest elevation of 200 feet MSL. Attached to the tower are three eight foot by four foot drawdown sluice gates on the north face of the drop inlet tower.

Dam height	73.0 feet
Structural height	78.0 feet
Hydraulic height	57.0 feet
Maximum discharge	8400.0 cubic feet/second (cfs)
Maximum storage	125000.0 acre-feet
Normal storage	79600.0 acre-feet
Surface area	4970.0 acres
Drainage area	42.0 square miles

History of Dam

The Caney Creek dam was designed by LA Dept of Public Works and constructed in 1986. No other history of the dam was available at the time of the inspection.

■ INSPECTION TEAM

Name

Randy Denmon and Chad Fisher (Volkert)
Matt French and Ash Islam, (LaDOTD) and Gary Joynor (Jackson Parish Watershed District)

■ INSPECTION RESULTS

Brief Description of Condition of Dam and Summary Items Requiring Attention

The Caney Creek dam is in fair condition and fulfilling its intended purpose. The inspection was made on a clear day with high visibility. The following items require attention:

Crown Deficiencies:

None

Downstream Embankment Deficiencies:

None, but there are three downed trees on the toe of the dam that should be removed.

Upstream Embankment Deficiencies:

- Minor vegetation growth (<6 in. Dia.) or small overhanging/fallen branches within the dam section.

Spillway Deficiencies:

Spillway 1 (Primary):

- Minor vegetation growth (<6 in. Dia.) or small overhanging/fallen branches within the dam section.
- Minor spawling of the concrete was observed.
- Surficial cracking

Outlet Works Deficiencies:

- Gates are inoperable due to rusted guides and silt build up.

Irrigation Deficiencies:

None

Instrumentation Deficiencies:

None

Corrected Items from Last Inspection:

None

Present Pool Elevation (ft

Lake 1" above pool

Present Tailwater Elevation (ft

3' of tailwater

Operation and Maintenance Procedures

Operations and maintenance is the responsibility of the owner. No written operations and maintenance procedures were available at the time of the inspection.

■ EARTH EMBANKMENTS**Dimensions/Shape/Describe Overall Condition**

This dam consists of a 6190' long earthen embankment with aggregate access road surface that runs along the south side of the lake. The crown width is 30 feet. The upstream slope descends from the crown at a 3H: 1V rate, and the downstream slope descends from the crown at a 4H: 1V rate.

Dam Embankment - Crown

Crown Width (Ft.): 30
Crown Length (Ft.): 6190
Crown Description: Earthen crown with aggregate access road surface
Fence: None
Abutment: Adequate
Comments: Crown is accessible to vehicles and in good condition.

No deficiencies identified



Embankment Crown Photo



Embankment Crown Photo



Embankment Crown Photo



Embankment Crown Photo



Embankment Crown Photo



Embankment Crown Photo

Dam Embankment - Downstream Embankment

Embankment Description:	Embankment in excellent condition.
Embankment Slope:	4H:\1V
Berm Description:	Berm in good condition.
Berm Slope:	Varies
Toe Area:	Mowed grass abutted by trees Slope
Comments:	mowed in good condition, but there are three downed trees on the dam that should be removed.
<i>No deficiencies identified</i>	



Downstream Embankment Photo



Downstream Embankment Photo



Downstream Embankment Photo



Downstream Embankment Photo



Downstream Embankment Photo



Downstream Embankment Photo

Dam Embankment - Upstream Embankment

Embankment Description:

Earthen embankment with vegetative cover. Cement treated soil in wave action area.

Embankment Slope:

3H: 1V

Protection Type:

The upstream shore protection consists of cement stabilized soil from elevation 190 feet MSL to elevation 210 feet MSL, or the wave zone. Near the western end of the embankment, broken concrete has been placed on top of the moderately deteriorated cement.

Comments:

Upstream embankment area where riprap is present and edge of toe has been recently sprayed and is generally in good condition. Several small bushes on dam that should be removed. Per DOTD, they will be removing additional bushes/shrubs soon.

Deficiencies (1):

Type	Description	Corrective Action
Unwanted Vegetation (Minor)	Minor vegetation growth (<6 in. Dia.) or small overhanging/fallen branches within the dam section.	Remove vegetation by cutting, trimming or using approved herbicide. Remove unwanted vegetation from the dam section, or within 15 ft. of the embankment toe to facilitate maintenance operations and / or maximize spillway efficiency.



Upstream Embankment Photo



Upstream Embankment Photo



Upstream Embankment Photo



Upstream Embankment Photo



Upstream Embankment Photo



Upstream Embankment Photo

■ SPILLWAY

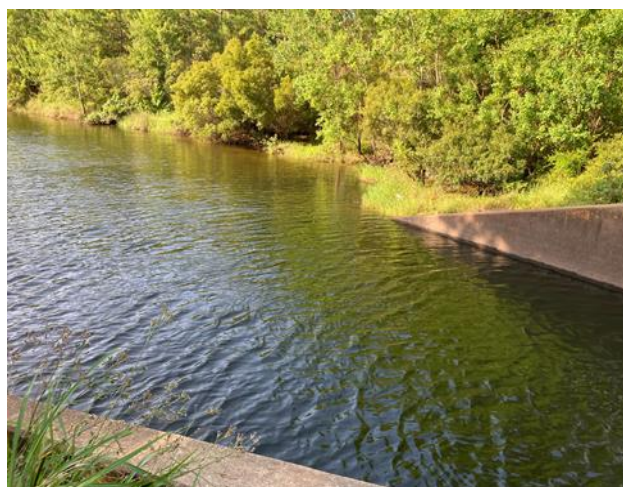
Spillway Classification:	Primary
Spillway Type:	Uncontrolled
Spillway Description:	Concrete drop inlet tower.
Crest Description:	The total length of all of the weirs segments is 127 feet.
Stilling Basin:	The stilling basin is mostly submerged and could not be inspected. It has a 23-foot 6-inches long chute with chute blocks
End Sill:	40-foot-long stilling basin with baffle blocks and end sill.
Approach Channel:	Lake
Discharge Channel:	The discharge channel is Caney Creek.
Gates and Operations:	Three drawdown gates. See outlet works section.
Spillway Drains:	Located on drain near outlet. Appeared to be functioning properly as water was slowly draining.
Comments:	Spillway and outlet works in good condition. No significant cracking, settlement, joint separation, or vegetation visible. There some minor deterioration of the lower portion of a few joints of the tunnels that should be monitored. There is one small tree sprouting on the downstream headwall that needs cutting.

Deficiencies (3):

Type	Description	Corrective Action
Unwanted Vegetation (Minor)	Minor vegetation growth (<6 in. Dia.) or small overhanging/fallen branches within the dam section.	Remove vegetation by cutting, trimming or using approved herbicide. Remove unwanted vegetation from the dam section, or within 15 ft. of the embankment toe to facilitate maintenance operations and / or maximize spillway efficiency.
Spawling (Minor)	Minor spawling of the concrete was observed.	Monitor the spawling area and make appropriate repairs as needed.
Cracking (Minor)	Surficial cracking	Monitor for changes, and if changes occur have the structure evaluated by a professional that recommends remedial measures that are implemented.



Spillway Photo



Spillway Photo



Spillway Photo



Spillway Photo



Spillway Photo



Spillway Photo



Spillway Photo



Spillway Photo



Spillway Photo

■ OUTLET WORKS

Type and Description: See the Spillway Section for details.

Intake Structure: There are three four foot wide by eight foot high sluice gates on the north side of the drop inlet tower with invert elevations of 161.0 feet MSL.

Outlet Channel: There is a 370 foot long three barrel, six foot (W) by eight foot (H) each, concrete box culvert conduit that carries water from the spillway through the embankment to the stilling basin

Gates and Related Devices: There is no record that the gates have ever been opened. The LADOTD had an independent engineering analysis and dive inspection completed on the gates in 2017. That report indicated some corrosion on the gates, missing guides on the dewatering chamber and 4.5' of silt and clay built up on the gates. It recommended not operating the gates until the silt and clay are removed.

Comments: The LADOTD is currently evaluating repair options.

Deficiencies (1):

Type	Description	Corrective Action
Outlet gates	Gates are inoperable due to rusted guides and silt build up.	The LADOTD is currently evaluating repair options.



Outlet Works Photo



Outlet Works Photo



Outlet Works Photo

■ IRRIGATION STRUCTURE

Type and Description:	None
Irrigation:	None
Intake Structure:	None
Outlet:	None
Channel:	None
Gates and Related Devices:	None
Comments:	None

No deficiencies identified

■ INSTRUMENTATION

Monumentation/Surveys:	None
Observation Wells:	None
Weirs:	None
Piezometers:	See individual sections for Piezometer details
Staff Gage Description:	None
Staff Gage Reading (Ft.):	Lake 1" above pool
Tailwater Staff Gage Description:	None
Tailwater Staff Gage Reading (Ft.):	3' of tailwater
Comments:	New online gage recently installed on at the Lake boat house. DOTD read Piezometers during inspection.

No deficiencies identified

Monumentation/Surveys:	None
Observation Wells:	None

Weirs:	None
Piezometers:	Three 1.5" Piezometers with 6" steel casings.
Staff Gage Description:	None
Staff Gage Reading (Ft.):	None
Tailwater Staff Gage Description:	None
Tailwater Staff Gage Reading (Ft.):	None
Comments:	Piezometers in good condition.

No deficiencies identified



Instrumentation Photo

Monumentation/Surveys:	None
Observation Wells:	None
Weirs:	None
Piezometers:	Two 1.5" Piezometers with 6" steel casings.
Staff Gage Description:	None
Staff Gage Reading (Ft.):	None
Tailwater Staff Gage Description:	None
Tailwater Staff Gage Reading (Ft.):	None
Comments:	Piezometers in good condition.

No deficiencies identified



Instrumentation Photo

Monumentation/Surveys:	None
Observation Wells:	None
Weirs:	None
Piezometers:	Three 1.5" Piezometers with 6" steel casings.
Staff Gage Description:	None
Staff Gage Reading (Ft.):	None
Tailwater Staff Gage Description:	None
Tailwater Staff Gage Reading (Ft.):	None
Comments:	Piezometers in good condition.

No deficiencies identified



Instrumentation Photo

■ RESERVOIR

Slope

The reservoir slopes appear to be in satisfactory condition and fulfilling their intended purpose.

Bank

The reservoir banks appear to be in satisfactory condition and fulfilling their intended purpose.

Sedimentation

There were no visible areas of sedimentation occurring within the reservoir at the time of the inspection.



Reservoir Photo



Reservoir Photo