Lake Creek Dam and Lake Creek Lake

OWNER

Texas Power & Light Company.

ENGINEER (Design)

Ebasco Services, Inc., New York.

LOCATION

On Manos Creek in McLennan County, 4 miles southwest of Riesel.

DRAINAGE AREA

17 square miles. Runoff is supplemented by pumping water from the Brazos River.

DAM

Type	Earthfill
Length	1,860 ft
Height	50 ft
Top width	20 ft
Top elevation	410 ft± above msl

SPILLWAY (service)

Location	Left end of the dam
Type	Concrete section
Crest elevation	385.0 ft above msl
Control	2 tainter gates, each 32.75 by 20 ft
Top of gate elevation	405.0 ft above msl

SPILLWAY (emergency)

Location	Right end of the dam
Type	Sand and clay fill
Length	700 ft
Crest elevation	406.0 ft above msl

OUTLET WORKS

None. Water is circulated from reservoir to powerplant and back to reservoir.

POWER FEATURES

2 steam-electric generating units with a total capacity of 225,600 kw. Ultimate proposed capacity 225,600 kw.

STATE AUTHORIZATION

Permit No. 1566A (Application No. 1685) May 10, 1951, authorizes water rights to impound 8,000 acre-feet of water and annual use of 10,000 acre-feet. Permit No. 1566A (Application No. 1748) April 25, 1952, increases the permitted storage to 9,500 acre-feet. Permit No. 1566B, January 26, 1972, reduces permitted capacity from 9,500 to 8,500 acre-feet to agree with actual capacity.

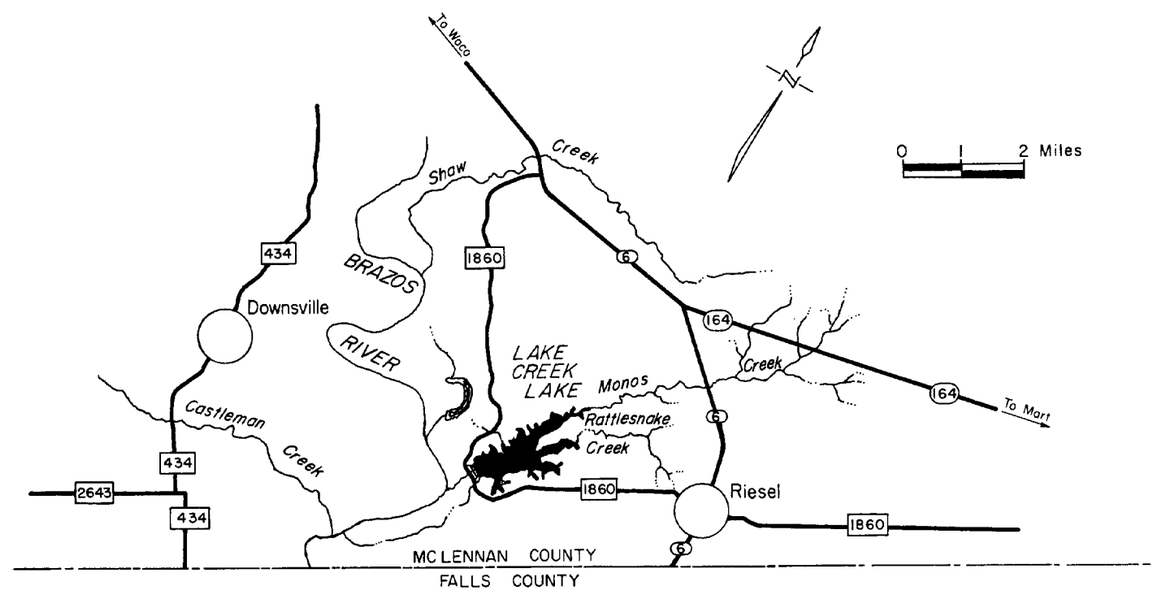
RESERVOIR DATA

Capacity	8,400 acre-feet at elevation 405.0 ft above msl
Area	550 acres at elevation 405.0 ft above msl

Water level is maintained by pumping from the Brazos River.

GENERAL

Construction started	September 8, 1951
Dam completed	May 1952
Impoundment of water began	June 1952
First generating unit began operation	April 2, 1953
General contractor	Austin Road Company



Information courtesy of the Texas Power & Light Company

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