

Alvin Wirtz Dam and Lake Lyndon B. Johnson

OWNER

Lower Colorado River Authority.

ENGINEER

Fargo Engineering Company.

LOCATION

On the Colorado River in Burnet County 5 miles west of Marble Falls.
Lake shoreline is in Burnet and Llano Counties.

DRAINAGE AREA

36,290 square miles, of which 11,900 square miles is probably noncontributing. River flow is regulated by upstream storage and plant operation.

DAM

Type	Concrete and earthfill
Length	5,491.4 ft
Height	118.29 ft
Top width of earth section	26.0 ft

SPILLWAY

Type	Concrete ogee
Length (net)	450 ft
Crest elevation	796.0 ft above msl
Control	9 tainter gates, each 50 by 30 ft

OUTLET WORKS

None. Water releases are made through turbine operation.

POWER FEATURES

Two generating units, each 25,000 kw capacity.

STATE AUTHORIZATION

Permit No. 953 (Application No. 1023) May 15, 1926, allocates 1,305,000 acre-feet of water for conservation, irrigation, and power generation uses. Several other water rights are included in this permit.

RESERVOIR DATA (Lower Colorado River Authority Survey 1949)

Capacity at operating elevation	825.0 ft above msl	138,500 acre-feet
Area at operating elevation	825.0 ft above msl	6,375 acres
Invert to penstock elevation	793.0 ft above msl	

GENERAL

Construction started	September 1949
Deliberate impoundment of water began	May 1951
Power unit in operation	June 27, 1951
Dam Completed	November 1951
General contractor	Brown & Root, Inc.
Estimated cost of the project	\$9,725,934

