

**Brownwood Dam and Brownwood Reservoir**

**OWNER**

Brown County Water Improvement District Number 1.

**ENGINEER (Design)**

D. W. Ross.

**LOCATION**

On Pecan Bayou in Brown County, 8 miles north of Brownwood.

**DRAINAGE AREA**

1,535 square miles.

**DAM**

Type Earthfill  
 Length 1,580 ft  
 Height 120 ft  
 Top width 21 ft

**SPILLWAY (emergency)**

Location 800 ft to left of dam  
 Type Concrete sill on natural cut  
 Crest length 479 ft  
 Crest elevation 1,424.6 ft above msl

**SPILLWAY (service)**

Type 2 concrete conduits  
 Control 2 broome-type gates  
 Gates at present time are not usable.

**OUTLET WORKS**

Type 1 concrete conduit, 5-ft diameter  
 Control Slide gate  
 Invert elevation 1,405.5 ft above msl

**STATE AUTHORIZATION**

Permit No. 1036 (Application No. 1085) December 3, 1929, authorizes construction of a reservoir and annual diversion of 16,800 acre-feet of water for municipal and industrial purposes and 50,590 acre-feet for irrigation use.

**RESERVOIR DATA (Based on 1959 sediment survey by U.S. Soil Conservation Service)**

| FEATURE                     | ELEVATION<br>(FEET ABOVE MSL) | CAPACITY<br>(ACRE-FEET) | AREA<br>(ACRES) |
|-----------------------------|-------------------------------|-------------------------|-----------------|
| Top of dam                  | 1,449.5                       | —                       | —               |
| Spillway crest (original)   | 1,424.6                       | 157,360                 | 7,300           |
| Spillway crest (1959)       | 1,424.6                       | 143,400                 | 7,300           |
| Invert to irrigation outlet | 1,405.5                       | 46,510                  | 3,150           |
| Invert to present outlet    | 1,329.5                       | —                       | —               |
| Usable storage              | —                             | 143,400                 | —               |

**GENERAL**

Construction started 1930  
 Dam completed 1933  
 Deliberate impoundment began July 1933  
 General contractor None—Various subcontractors

Note: U.S. Army Corps of Engineers proposes to construct a dam downstream from this project.

