

TOM JENKINS DAM (BURR OAK LAKE), OHIO  
Condition of Improvement, 30 Sep 1988

LOCATION OF DAM: In Athens County, Ohio. On East Branch of Sunday Creek, a tributary of Hocking River; 0.3 miles above the mouth of East Branch and 57.2 miles above the mouth of the Hocking.

AUTHORITY: Flood Control Act of 1944, (PL 780534).

PURPOSES SERVED: Flood control, recreation and water supply.

DAM: Type - rolled earth fill; maximum height 84', top length 944', top width 23', base width 560'.

SPILLWAY: Uncontrolled saddle spillway near left (south) abutment, crest elevation 740, width at crest 80'. Design discharge 21,300 c.f.s. with surcharge of 19.9' and freeboard of 5.1'.

OUTLET WORKS: Intake structure with 3 gated sluices 3'-6" wide by 7'-0" high discharges through an 8' x 8' horseshoe tunnel, through the left abutment, into a stilling basin. The capacity is 1,380 c.f.s. at the water supply elevation of 721.

OTHER STRUCTURES: None

DRAINAGE AREA ABOVE DAM: 32.8 square miles

MAXIMUM FLOW OF RECORD AT DAM SITE: 3,440 c.f.s. (March 1907)

RESERVOIR DESIGN FLOOD PEAK FLOW: 4,600 c.f.s.

RESERVOIR DATA: Streambed elevation at dam: 682'.

<u>Pool</u>	<u>Surface Elevation</u> (Feet above sea level)	<u>Surface Area</u> (Acres)	<u>Backwater along Main Stream</u> (Miles)	<u>Capacity</u>			
				<u>Acre-Feet</u> (Thousands)		<u>Inches of Runoff</u>	
				<u>Net</u>	<u>Gross</u>	<u>Net</u>	<u>Gross</u>
<u>Year-Round Storage:</u>							
Minimum	710	394	4.3	3.5	3.5	2.0	2.0
Water Supply Storage	721	664	7.8	5.8	9.3	3.3	5.3
Flood Control Storage	740	1,192	10.5	17.6	26.9	10.1	15.4
Total	740			26.9	26.9	15.4	15.4

\* At maximum pool level.

SEE OTHER SIDE

LAND ACQUIRED: Fee - 99.28 acres  
Easement - 1,638.92 acres (includes flowage rights by use permit  
from Department of Agriculture.

STATUS: All construction work is complete. The dam was completed in February 1950 and water supply impoundment for the Sunday Creek Valley was initiated in February 1952.

<u>COST:</u> Construction	\$2,086,500
Recreation (code 711) expended through 30 Sep 1981	8,100
Operation and maintenance through 30 Sep 1988	4,093,682
Funds contributed by the State of Ohio:	
Construction	495,000
Land Acquisition	354,500
APW Funds	30,000