

MUSKINGUM RIVER LAKES, OHIO
CLENDENING LAKE
Condition of Improvement, 30 Sep 1982

LOCATION OF DAM: In Harrison County, Ohio. On Brushy Fork of Stillwater Creek of Tuscarawas River, a tributary of the Muskingum River; 184.4 miles above the mouth of the Muskingum.

AUTHORITY: See sheet F/C 2.

PURPOSES SERVED: Flood control, recreation, fish and wildlife enhancement.

DAM: Type - rolled earthfill with impervious core, maximum height 64 feet, top length 950 feet, top width 20 feet, base width 460 feet.

SPILLWAY: Uncontrolled saddle spillway at right (west) abutment. Crest elevation 910.5, length of crest 128 feet. Design discharge 13,200 c.f.s. with surcharge 13,200 c.f.s. with surcharge of 13 feet and freeboard of 2 feet.

OUTLET WORKS: Intake structure with three 3'-6"x7' gated sluices, discharging through an 8'x7'-6" horseshoe tunnel near right abutment into a stilling basin. To maintain minimum pool, a 1'-6" diameter siphon is located in each of the two outer conduits, in front of the gates, and discharges into the middle sluice below the gate. Invert elev siphon 897.25.

OTHER STRUCTURES: None.

DRAINAGE AREA ABOVE DAM: 69 square miles.

MAXIMUM FLOW OF RECORD AT DAMSITE: 3,650 c.f.s. (20 April 1940).

RESERVOIR DESIGN FLOOD PEAK FLOW: 6,100 c.f.s.

RESERVOIR DATA: Zero gage, 858 feet m.s.l.

<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 Net</u>	<u>Gross</u>	<u>Inches of Runoff Net</u>	<u>Gross</u>
Year-Round Storage:							
Minimum <i>Summer</i> <i>Winters</i>	898.0 893,	1,800	12.5	26,500	26,500	7.2	7.2
Flood Control Storage*	910.5	2,620	14.1	27,500	54,000	7.5	14.7
Total	910.5	2,620	14.1	54,000	54,000	14.7	14.7

*At maximum pool level.

See Other Side

CLENDENING F/C 7-B-1

LAND ACQUIRED: Fee-86.51 acres at dam site.
Easement - 7,214.23 acres in reservoir.

STATUS: All construction work is complete. The dam was completed in June 1936.

COST: Construction \$1,160,100 which includes portions of cost of the Official Plan.
Recreation (code 711) Funds expended through 30 June 1975 \$60,400.