



US Army Corps
of Engineers ®
Rock Island District

SAYLORVILLE LAKE

5600 NW 78TH AVENUE
JOHNSTON, IA 50131

DES MOINES RIVER

CONSTRUCTION

Began: 1965
Completed: 1977

COST

Federal: est. \$130,100,000

RESERVOIR

Normal Pool:
Length: 24 miles
Area: 5,520 acres
Storage: 73,600 acre feet (23.9 billion gallons) ¹
Flood Storage Pool:
Length: 54 miles
Area: 16,100 acres
Storage: 641,000 acre feet (208.87 billion gallons)

WATER SURFACE ELEVATION

Normal Pool: 836' National Geodetic Vertical Datum (NGVD) 29
(11.5% total storage capacity)
Flood Storage Pool: 890' NGVD29

DAM

Type: Earth Filled Embankment
Length: 6,750 feet
Height: 105 feet
Top Width: 44 feet
Spillway Elevation: 884' NGVD29; 890' w/pneumatic crest gates
Dam Elevation (top of dam): 915.5' NGVD29

DAMAGES PREVENTED (1975-2009)

\$181,932,300* (estimated)

DAMAGES PREVENTED (2008) (1993)

\$1,653,200* (estimated)
\$113,466,800* (estimated)
* (not indexed for 2010 price levels)

(MORE INFORMATION ON THE REVERSE SIDE)

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MILES ABOVE DES MOINES, IOWA	11 miles
SQUARE MILES OF WATERSHED ABOVE DAM	5,823 square miles
AVERAGE NORMAL INFLOW (JUNE)	6,000 cubic feet per second (cfs) ²
(JULY)	4,200 cfs
HIGHEST INFLOWS RECORDED	60,600 cfs (June 10, 2008) 47,100 cfs (July 11, 1993)
MAXIMUM CAPABLE OUTFLOW (CONDUIT/GATES)	21,000 cfs
AVERAGE NORMAL OUTFLOW (JUNE)	7,200 cfs
(JULY)	6,100 cfs
HIGHEST OUTFLOWS RECORDED	47,000 cfs (June 12, 2008)
PREVIOUS HIGHEST OUTFLOWS RECORDED	44,500 cfs (July 18, 1993)
RECORD HIGH POOL ELEVATIONS	892.03' NGVD29 (July 11, 1993) 891.03' NGVD29 (June 12, 2008) 889.25' NGVD29 (June 22, 1984) 888.99' NGVD29 (June 11, 1991) 883.59' NGVD29 (April 06, 1979) 881.20' NGVD29 (April 22, 1983)
OVER SPILLWAY / # DAYS (Date pool reached spillway crest of 884' NGVD29)	June 18, 1993 (42 Days) April 24, 1993 (7 Days) - Peak elevation @ 886.2' June 10, 2008 (12 Days) - Pneumatic crest gates lowered; first time put into operation June 18, 1984 (15 Days) June 6, 1991 (9 Days)
RECREATION	Total Recreation Areas: 25 Beaches: 1 Camping Areas: 4 Marinas: 1
VISITATION HOURS	10/1/08 – 9/30/09: 1,627,069 Visitors; 6,139,038 Visitor Hours 10/1/07 – 9/30/08: 1,387,253 Visitors; 5,373,904 Visitor Hours 10/1/06 – 9/30/07: 1,523,996 Visitors; 6,022,117 Visitor Hours (FY09 regional economic impact of visitation is \$110,000,000)

¹ NOTE: An acre-foot is one acre of water one foot deep. One acre foot is equivalent to 325,851.4 U.S. gallons.

² NOTE: Cubic feet per second (cfs). The rate of flow past a given point, measured in cubic feet per second. One cubic foot of water equals about 7.5 gallons and weighs 62 pounds.