**Pool #16**

### General Information
- **Owner**: Dept of the Army, G of E
- **River**: Mississippi
- **Nearest Town**: Muscatine, IA
- **State**: Illinois-Iowa
- **Date Normal Oper. Began**: April 14, 1938
- **Top of Dam Elev**: 517
- **Spillway Crest Elev**: 545.0

### Reservoir Data
- **Storage Allocation**: Flood Control, Power, Water Supply, Irrigation, Conservation
- **Date Storage Began**: July 10, 1937
- **Length of Reservoir**: 25.7 miles
- **AV. Width of Reservoir**: 13,000 feet
- **Surface Area Acres**: 113,370
- **Surface Area FEET**: 113,370
- **Date of Survey**: March 1938
- **AC. FT. Per SQ. MI**: 106,347

### Watershed Data
- **Total Drainage Area**: 99,400 square miles
- **Mean Annual Precipitation**: 32.1 inches
- **Net Sediment Contributing Area**: 726 square miles
- **Mean Annual Runoff**: 7,260 cubic feet
- **Max. Elev**: 522.0
- **Min. Elev**: 325.0
- **25. Climatic Classification**: Humid

### Survey Data
- **Period Sediment Deposits Acre-Feet**: 7023
- **Total Sed. Deposits to Date Acre-Feet**: 7023
- **AV. DRY WGT. LBS. PER CU. FT.**: 0.53
- **SED. INFLW. PPM**: 6.19

### Other Data
- **Period Annual Precipitation**: 37,963,000
- **Mean Annual**: 50,813,000
- **Period Total**: 45,424,000
- **B. Mean Annual**: 43,029,000
- **C. Total to Date**: 43,029,000
- **Survey Date**: Nov. 1949
- **Industry**: 1387
- **Engineer Corps Date**: 1 1949
### Depth Designation

<table>
<thead>
<tr>
<th>Date of Survey</th>
<th>Range in Feet Above, and Below, Crest Elevation</th>
<th>Percent of Total Sediment Located Within Depth Designation</th>
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### Reach Designation

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<thead>
<tr>
<th>Date of Survey</th>
<th>Percent of Total Original Length of Reservoir</th>
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<td>Nov. 1949</td>
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### Range in Reservoir Operation

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<td>1941</td>
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<td>1945</td>
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### Elevation-Area-Capacity Data

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<tr>
<th>Elevation</th>
<th>Area</th>
<th>Capacity</th>
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### Remarks and References

1. Principal waterway through dam is a 20 ft. high movable gate section. Gate sills at elevation 525.0 ft. above lowest point of pre-construction stream bed. Gates are operated to maintain 9.0 ft. navigation channel depths above dam but pool elevation at the dam cannot exceed elevation 515.0 ft. As river flows increase from minimum, gates are raised to provide additional waterway and pool at the dam is lowered until gates are entirely out of water at a flow that would produce tailwater elevation 543.5 ft.

2. Inflows are expressed in million acre-feet.

### Agency Supplying Data

Department of the Army, Corps of Engineers, Rock Island District