

RESERVOIR SEDIMENT DATA SUMMARY

Scripps Park  
NAME OF RESERVOIR

24-58  
DATA SHEET NO.

DAM	1. OWNER <u>City of Rushville</u>		2. STREAM <u>Town Branch</u>		3. STATE <u>Illinois</u>			
	4. SEC. <u>36</u> TWP. <u>2N</u> RANGE <u>2W</u>		5. NEAREST P.O. <u>Rushville, IL</u>		6. COUNTY <u>Schuyler</u>			
	7. LAT. <u>40° 7'</u> LONG. <u>90° 35'</u>		8. TOP OF DAM ELEVATION <u>641.0</u>		9. SPILLWAY CREST ELEV. <u>636.9</u>			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL					1922		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION	<u>636.9</u>	<u>3.59</u>	<u>18.11</u>	<u>18.11</u>	<u>1922</u>		
g. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR <u>0.23</u> MILES		AV. WIDTH OF RESERVOIR <u>0.02</u> MILES					
	18. TOTAL DRAINAGE AREA <u>0.98</u> SQ. MI.		22. MEAN ANNUAL PRECIPITATION <u>38.01<sup>2/</sup></u> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.97</u> SQ. MI.		23. MEAN ANNUAL RUNOFF <u>8.18<sup>3/</sup></u> INCHES					
	20. LENGTH <u>1.6</u> MILES		AV. WIDTH <u>0.61</u> MILES		24. MEAN ANNUAL RUNOFF <u>428</u> AC.-F.T.			
	21. MAX. ELEV. <u>675</u>		MIN. ELEV. <u>625</u>		25. ANNUAL TEMP: MEAN <u>52.7</u> RANGE			
SURVEY DATA	26. DATE OF SURVEY	27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY	30. NO. OF RANGES OR CONTOUR INT.	31. SURFACE AREA, ACRES	32. CAPACITY, ACRE-FEET	33. C/I. RATIO, AC.-FT. PER AC.-FT.
	<u>1922</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>3.59</u>	<u>18.11</u>	<u>0.04</u>
	<u>1-17-78</u>	<u>53<sup>4/</sup></u>	<u>53</u>	<u>Range (D)</u>	<u>6</u>	<u>3.59</u>	<u>8.56</u>	<u>0.02</u>
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.		
		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE		
	<u>1-17-78</u>	<u>38.01</u>	<u>428<sup>5/</sup></u>	<u>23,962<sup>5/</sup></u>	<u>428<sup>5/</sup></u>	<u>23,962<sup>5/</sup></u>		
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET			
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	
	<u>1-17-78</u>	<u>9.55<sup>6/</sup></u>	<u>0.18</u>	<u>0.19</u>	<u>9.55<sup>6/</sup></u>	<u>0.18</u>	<u>0.19</u>	
	26. DATE OF SURVEY	39. AV. DRY WGT., LBS. PER CU. FT.	40. SED. DEP., TONS PERSQ. MI.-YR.		41. STORAGE LOSS, PCT.	42. SED. INFLOW, PPM		
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
<u>1-17-78</u>	<u>55<sup>7/</sup></u>	<u>221.5</u>	<u>221.5</u>	<u>0.99</u>	<u>52.7</u>	<u>-</u>	<u>-</u>	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
45. RANGE IN RESERVOIR OPERATION															
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.								
46. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
47. REMARKS AND REFERENCES															
<p>1/ Recreation pool.</p> <p>2/ Data from gauge at Rushville, Illinois</p> <p>3/ Data from USGS gauge on La Moine River at Ripley, Illinois</p> <p>4/ Reservoir was drained from 1946 through 1949</p> <p>5/ Data from USGS</p> <p>6/ In 1962, approximately 2,000 cubic yards (1.24 ac-ft) of sediment was dredged from the reservoir. This 1978 survey measured 8.31 ac-ft of sediment. Total period sediment is therefore 9.55 ac-ft.</p> <p>7/ Sediment density is estimated.</p>															
48. AGENCY MAKING SURVEY Soil Conservation Service					50. DATE March 23, 1978										
49. AGENCY SUPPLYING DATA Soil Conservation Service															