

RESERVOIR SEDIMENTATION
DATA SUMMARY

Hadley Creek Old Desilting Basin

25 - 7

District

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Sny Island Levee Drainage		2. RIVER Hadley Creek		3. STATE Illinois	
	4. SEC. 13 TWP. 5S RANGE 7W		5. NEAREST TOWN New Canton		6. COUNTY Pike	
	7. STREAM BED ELEV. -		8. TOP OF DAM ELEV. -		9. SPILLWAY CREST ELEV. 451.5	
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES	
	a. FLOOD CONTROL		451.5		348	
	b. POWER				3,000*	
	c. WATER SUPPLY				3,000*	
	d. IRRIGATION					
	e. CONSERVATION					
	f. INACTIVE					
WATERSHED	17. LENGTH OF RESERVOIR				MILES	
	18. TOTAL DRAINAGE AREA				SQ. MI.	
	77.0				22. MEAN ANNUAL PRECIPITATION	
	19. NET SEDIMENT CONTRIBUTING AREA				INCHES	
	72.7 1/2				23. MEAN ANNUAL RUNOFF	
SURVEY DATA	20. LENGTH		MILES		AV. WIDTH	
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION	
	585 per sq.mi.*		AC.-FT.		Humid	
	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	
1921		-		-		
1936		15		15		
		Range detailed		11		
32. CAPACITY ACRE-Feet		33. C/W RATIO AC.-FT. PER SQ. MI.		34. PERIOD ANNUAL PRECIPITATION		
3,000		39		35. PERIOD WATER INFLOW ACRE-Feet		
1,845		24		a. MEAN ANNUAL		
				b. MAX. ANNUAL		
				c. PERIOD TOTAL		
				36. WATER INFL. TO DATE AC.-FT.		
				a. MEAN ANNUAL		
				b. TOTAL TO DATE		
26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE-Feet		38. TOTAL SED. DEPOSITS TO DATE ACRE-Feet.		
1936		1,155 including 17 ac.ft. of sand (larger than 0.062 mm.)		1,155 including 17 ac.ft. of sand (larger than 0.062 mm.)		
		77.0		77.0		
		1.06		1.06		
26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU.FT.		40. SED. DEP. TONS PER SQ. MI.-YR.		
1936		85 *		1,960		
				1,960		
				41. STORAGE LOSS PCT.		
				a. AV. ANNUAL		
				b. TOT. TO DATE		
				42. SED. INFLOW PPM		
				a. PERIOD		
				b. TOT. TO DATE		
				2.57		
				38.50		

1/ Excluding 3.8 sq. mi. of Mississippi River bottom land.
* Estimated

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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

Region 3, Soil Conservation Service
U. S. Dept. of Agriculture

48. AGENCY SUPPLYING DATA Milwaukee, Wisconsin

49. DATE May 11, 1950