

RESERVOIR SEDIMENTATION

McCraney Creek New Desilting Basin

25 - 5

DATA SUMMARY Drainage District

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Sny Island Levee /			2. RIVER McCraney Creek		3. STATE Illinois		
	4. SEC. 34 TWP. 4S RANGE 7W		5. NEAREST TOWN Kinderhook			6. COUNTY Pike		
	7. STREAM BED ELEV. -			8. TOP OF DAM ELEV. -		9. SPILLWAY CREST ELEV. 456.9		
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL	456.9	230	2,400 *	2,400 *	Dec. 1936		
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	e. CONSERVATION							
	f. INACTIVE					Dec. 1936		
17. LENGTH OF RESERVOIR	MILES	AV. WIDTH OF RESERVOIR	MILES					
WATERSHED	18. TOTAL DRAINAGE AREA			52.0	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		INCHES
	19. NET SEDIMENT CONTRIBUTING AREA			50.2	SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES
	20. LENGTH		MILES	AV. WIDTH	MILES	24. MEAN ANNUAL RUNOFF		AG.-FT.
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION			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	32. CAPACITY ACRE- FEET	33. C/W RATIO AC.-FT. PER SQ. MI.
Dec. 1936	-	-	-	-	230	2,400 *	46.2 *	
Dec. 1939	3	3	Range detailed	6	230	1,770 *	34.0 *	
1941	2	5	"	6	230	1,664 *	32.0 *	
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		
26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS 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		
Dec. 1939	630	210	4.18	630	210	4.18		
1941	106	53	1.06	736	147	2.93		
26. DATE OF SURVEY	39. AV. DRY WGT. LBS. PER CU. FT.	40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM		
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
Dec. 1939	85 *	7,740	7,740	8.75	26.25			
1941	85 *	1,960	5,420	6.13	30.67			

* 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 January 11, 1950