

RESERVOIR SEDIMENTATION
DATA SUMMARY

Kiser Creek Desilting Basin
District

25 - 9
DATA SHEET NO.

DAM	1. OWNER Sny Island Levee Drainage ⁷				2. RIVER Kiser Creek		3. STATE Illinois							
	4. SEC. 4, 9 TWP. 6S		RANGE 6W		5. NEAREST TOWN New Canton		6. COUNTY Pike							
	7. STREAM BED ELEV. -				8. TOP OF DAM ELEV. -		9. SPILLWAY CREST ELEV. 449.3							
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		449.3		400		2,800 *		2,800 *	Dec. 1936				
	b. POWER													
	c. WATER SUPPLY									16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION													
	e. CONSERVATION													
	f. INACTIVE									Dec. 1936				
WATERSHED	17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES			
	18. TOTAL DRAINAGE AREA				66.0		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				59.6 1/		SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				585 per sq. mi. * AC.-FT.	
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION				Humid					
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/W RATIO AC.-FT. PER SQ. MI.		
	Dec. 1936		-	-	-	-		400		2,800 *		42.4		
	Dec. 1939		3.0	3.0	Range detailed	21		400		2,290 *		34.7		
	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		d. MEAN ANNUAL		e. TOTAL TO DATE		
	Dec. 1939				587 per * sq. mi.			587 per * sq. mi.						
	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		d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR	
	Dec. 1939		510		170		2.85		510		170		2.85	
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE					
Dec. 1939		85 *		5,280	5,280	6.07	18.21							

1/ Excluding 5.8 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
Milwaukee, Wisconsin

48. AGENCY SUPPLYING DATA

49. DATE January 11, 1950