

RESERVOIR SEDIMENT
DATA SUMMARY
SCS-34 Rev. 6-62

Scottsburg Lake
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

17-22
DATA SHEET NO.

DAM	1. OWNER Town of Scottsburg		2. STREAM Trib. of Muscatatuck		3. STATE Indiana			
	4. SEC. NW 31 TWP. 3 N RANGE 7 E		5. NEAREST TOWN Scottsburg		6. COUNTY Scott			
	7. STREAM BED ELEVATION 554.57		8. TOP OF DAM ELEVATION 585.2		9. SPILLWAY CREST ELEV. 576.9			
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. MULTIPLE USE					Fall 1949		
	b. FLOOD CONTROL							
	c. POWER							
	d. WATER SUPPLY	576.9	92.0	749.02	749.02	16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION							
	g. SEDIMENT							
h. INACTIVE								
17. LENGTH OF RESERVOIR		1.6 MILES		AV. WIDTH OF RESERVOIR		0.1 MILES		
WATERSHED	18. TOTAL DRAINAGE AREA (1908)		2.98 SQ. MI.		22. MEAN ANNUAL PRECIPITATION		43.8 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA (1908)		2.98 SQ. MI.		23. MEAN ANNUAL RUNOFF		16 (approx) INCHES	
	20. LENGTH 4.5 MILES		AV. WIDTH 0.8 MILES		24. MEAN ANNUAL RUNOFF		2544 AC.-FT.	
	21. MAX. ELEV. 741		MIN. ELEV. 554.6		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
Oct. 23-27 1961		12	12	D.R.	19	92.0	713.24	239.3
SURVEY DATA	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	
	Oct. 23-27 1961		44.0"					
	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		
Oct. 23-27 1961		35.78 (36.35) ^{1/}	2.98 (3.03) ^{1/}	1.00 (1.02) ^{1/}	35.78 (36.35) ^{1/}	2.98 (3.03) ^{1/}	1.0 (1.02) ^{1/}	
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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
Oct. 23-27 1961		60.8	1324.2 (1350.7) ^{1/}	1324.2 (1350.7) ^{1/}	0.40	4.78		

^{1/} Total figure includes above spillway crest deposits @ 75#/cu. ft. along reservoir margin & 1/4 mile upstream from upper end where recent high stage deposition is found.

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
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