

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Huntingburg Upper Reservoir

NAME OF RESERVOIR

17-1

DATA SHEET NO.

DAM	1. OWNER City of Huntingburg				2. RIVER Trib. of Patoka R.		3. STATE Indiana									
	4. SEC. 32, 4 TWP. 2, 3S RANGE 5 W				5. NEAREST TOWN Huntingburg		6. COUNTY Dubois									
	7. STREAM BED ELEV. 111				8. TOP OF DAM ELEV. 121.00 (Datum unknown)		9. SPILLWAY CREST ELEV. 119.5									
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										July 1894					
	b. POWER															
	c. WATER SUPPLY		119.5		24.5		137		137		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION										July 1894					
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.31				MILES				AV. WIDTH OF RESERVOIR				MILES			
	18. TOTAL DRAINAGE AREA 0.67				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 49				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 0.63				SQ. MI.				23. MEAN ANNUAL RUNOFF				INCHES			
	20. LENGTH				MILES				AV. WIDTH				MILES			
	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.	
	July 1894		-		-		-		-		24.5		137		204	
	Oct. 21, 1940		46.3		46.3		Range Recon.		6		24.5		119		178	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET				36. WATER INFL. TO DATE AC- FT.							
					c. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE			
	Oct. 21, 1940				774 per sq. mi.*						774 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		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.- YEAR			
	Oct. 21, 1940		18		0.389		0.617		18		0.389		0.617			
	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				
Oct. 21, 1940		40 *		538		538		0.28		13.1		500 *				

\* 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  
 Brune, G. M. Rates of sediment production in midwestern United States. Soil Conserv. Serv., SCS-TP-65, 40 pp., illus., processed, Milwaukee, Wisconsin, December 1948.

Dam was built downstream in September 1926 which raises water 0.6 ft. over spillway. Dam described in summary is still intact and there has been no appreciable movement of sediment from upper to lower lake.

48. AGENCY SUPPLYING DATA Region 3, Soil Conservation Service  
 U. S. Department of Agriculture  
 Milwaukee, Wisconsin

49. DATE January 10, 1950