

RESERVOIR SEDIMENTATION
DATA SUMMARY

Pittsfield
NAME OF RESERVOIR

24 - 9
DATA SHEET NO.

C-9

DAM	1. OWNER City of Pittsfield			2. RIVER Trib. of Panther Cr.			3. STATE Illinois		
	4. SEC. 13, 14 TWP. 5S RANGE 4W			5. NEAREST TOWN Pittsfield			6. COUNTY Pike		
	7. STREAM BED ELEV. -			8. TOP OF DAM ELEV. 691.00			9. SPILLWAY CREST ELEV. 686.24		
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					June 1925			
	b. POWER								
	c. WATER SUPPLY	686.24	46.0	367	367	16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE					June 1925			
17. LENGTH OF RESERVOIR 0.66 MILES			AV. WIDTH OF RESERVOIR MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 1.84 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 36 (40) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 1.77 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF 407 per sq. mi. * 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.	
June 1925	-	-	-	-	46.0 1/	367 1/	199		
Dec. 1946	21.5	21.5	Contour detailed	2 ft.	39.6	232	126		
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		
	Dec. 1946		417 per * sq. mi.				417 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			
Dec. 1946	135	6.28	3.55	135	6.28	3.55			
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. 1946	40 *	3,090	3,090	1.71	36.8	5,800*	5,800*		

1/ At present spillway elevation. Spillway raised 1.24 feet in 1944.
* 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															
<p>Brune, G. M., Rates of sediment production in Midwestern United States, U. S. Soil Conserv. Serv. SCS-TP-65 40 pp., illus., processed, Milwaukee, Wisconsin, December 1948.</p> <p>Brown, C. B., J. B. Stall, and E. E. DeTurk. The causes and effects of sedimentation in Lake Decatur. Illinois State Water Survey Div. Bull. 37, Urbana, Ill., 1947.</p> <p style="text-align: center;">Region 3, Soil Conservation Service U. S. Dept. of Agriculture Milwaukee, Wisconsin</p>															
48. AGENCY SUPPLYING DATA												49. DATE January 11, 1950			