

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Williams Bridge

NAME OF RESERVOIR

4 - 6

DATA SHEET NO.

DAM	1. OWNER Scranton-Spg. Brook Water			2. RIVER Stafford Meadow Brook			3. STATE Pennsylvania		
	4. SEC. - TWP. - RANGE - CO.			5. NEAREST TOWN Scranton			6. COUNTY Lackawanna		
	7. STREAM BED ELEV. - 1308			8. TOP OF DAM ELEV. 1366			9. SPILLWAY CREST ELEV. 1360.6		
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					1893			
	b. POWER								
	c. WATER SUPPLY	1360.6	42.6	1051	1051	16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE					1893			
17. LENGTH OF RESERVOIR .5 MILES			AV. WIDTH OF RESERVOIR .14 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 5 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 37.19 (40) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 4.94 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF AC.-FT.				
	21. MAX. ELEV. 2092		MIN. ELEV. 1308		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.
1893		-	-	-	-	42.6	1051	210	
May 1941		48	48	Range recon	5	42.6	1046	209	
SURVEY DATA	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AQ.-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.			
May 1941		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR		
May 1941		5.4	0.11	.022	5.4	0.11	.022		
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		
May 1941				.01	0.51				

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

1/ The dam has another spillway at elevation 1361.6 feet.

Region 1, Soil Conservation Service  
U. S. Dept. of Agriculture  
Upper Darby, Pennsylvania

48. AGENCY SUPPLYING DATA

49. DATE July 1950