

RESERVOIR SEDIMENTATION
DATA SUMMARY

Schoharie (Gilboa Dam)
NAME OF RESERVOIR

3-1
DATA SHEET NO.

DAM	1. OWNER City of New York			2. RIVER Schoharie Creek			3. STATE New York					
	4. Sec. Long. & Lat. RANGE 40°23'14" N 74°26'11" W			5. NEAREST TOWN Prattsville			6. COUNTY Schoharie					
	7. STREAM BED ELEV. 988			8. TOP OF DAM ELEV. 1150			9. SPILLWAY CREST ELEV. 1130					
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										August 1926	
	b. POWER										16. DATE NORMAL OPER. BEGAN	
	c. WATER SUPPLY		1130		1078		57,814		63,821			
	d. IRRIGATION											
	e. CONSERVATION											
	f. INACTIVE		1050				6,007		6,007			
17. LENGTH OF RESERVOIR 5 MILES					AV. WIDTH OF RESERVOIR 1800 Ft. MAX							
WATERSHED	18. TOTAL DRAINAGE AREA 314 SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 312.32 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH 32 MILES		AV. WIDTH 13 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. 4028		MIN. ELEV. 988		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.			
Aug. 1926		-	-	-	-	1078	63,821	203				
May 5, 1950		23.8	23.8	Range Detailed	24	1078	62,702	200				
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	
	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	
	May 5, 1950	1119 (1231) 1/		47.0 (51.7) 1/	0.150 (0.166) 1/		1119 (1231) 1/		47.0 (51.7) 1/		0.150 (0.166) 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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE			
	May 5, 1950	60*		196 (217) 1/		196 (217) 1/	0.07	1.75				

* Assumed

1/ Includes estimated 112 A.F. passing through Shandaken Tunnel.

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	
Region 1, Soil Conservation Service U. S. Department of Agriculture Upper Darby, Pennsylvania	
48. AGENCY SUPPLYING DATA	49. DATE <u>April 23, 1951</u>