

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Upper North River #77

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

5 - 26

DATA SHEET NO.

DAM	1. OWNER: Forest Service - USDA		2. STREAM Little River		3. STATE Virginia			
	4. SEC. - TWP. - RANGE -		5. NEAREST P.O. Stokesville, Va		6. COUNTY Augusta			
	7. LAT 38° 23' 25" LONG. 79° 09' 45"		8. TOP OF DAM ELEVATION 1854.5		9. SPILLWAY CREST ELEV. 1844.0			
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. FLOOD CONTROL	1851.0	81.6	2768.0	-2918	Nov. 14 1966		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION							
g. INACTIVE	1779.2	14.0	150.0	150	Nov. 14 1966			
17. LENGTH OF RESERVOIR 0.29		MILES		AV. WIDTH OF RESERVOIR 0.11		MILES		
WATERSHED	18. TOTAL DRAINAGE AREA 16.01		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 40.8		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA 15.88		SQ. MI.		23. MEAN ANNUAL RUNOFF 14		INCHES	
	20. LENGTH 6.5		MILES		24. MEAN ANNUAL RUNOFF 11954		AC. FT.	
	21. MAX. ELEV. 4397		MIN. ELEV. 1780		25. ANNUAL TEMP.: MEAN 50.5 RANGE -50 to 90°			
	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
11/14/66	0	0	-	-	-	14.0 <u>1/</u> 81.6 <u>2/</u>	150.0 <u>1/</u> 2918.0 <u>2/</u>	.013 .244
9/7/76	9.83	9.83	Range	10		12.74 <u>1/</u> 81.6 <u>2/</u>	143.36 <u>1/</u> 2907.38 <u>2/</u>	.012 .243
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	
9/7/76	40.8					506.0	5146.0	
26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, 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		
9/7/76	6.64 <u>1/</u> 10.62 <u>2/</u>	0.675 <u>1/</u> 1.080 <u>2/</u>	0.042 <u>1/</u> 0.067 <u>2/</u>	6.64 <u>1/</u> 10.62 <u>2/</u>	0.675 <u>1/</u> 1.080 <u>2/</u>	0.042 <u>1/</u> 0.067 <u>2/</u>		
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
9/7/76	68.85	63.26 <u>1/</u> 102.00 <u>2/</u>	63.26 <u>1/</u> 102.00 <u>2/</u>	0.455 <u>1/</u> 0.037 <u>2/</u>	4.43 <u>1/</u> 0.36 <u>2/</u>			

1/ Sediment Pool
2/ Flood Pool

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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
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															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
50. DATE _____															