

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Coweeta Watershed 2

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

NAME OF RESERVOIR

20-31
DATA SHEET NO.

DAM	1. OWNER USFS, SEFES		2. STREAM Shope Branch		3. STATE NC			
	4. SEC. TWP. RANGE		5. NEAREST P.O. Otto, NC		6. COUNTY Macon			
	7. LAT. 35° 04' " LONG. 83° 26' "		8. TOP OF DAM ELEVATION 2400		9. SPILLWAY CREST ELEV. 2400			
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES			
	a. FLOOD CONTROL				13. ORIGINAL CAPACITY, ACRE-FEET			
	b. MULTIPLE USE				14. GROSS STORAGE, ACRE-FEET			
	c. POWER		N/A		15. DATE STORAGE BEGAN			
	d. WATER SUPPLY				16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION				06/14/74			
	f. INACTIVE				06/14/74			
WATERSHED	17. LENGTH OF RESERVOIR 15 feet		MILES		AV. WIDTH OF RESERVOIR 10 feet			
	18. TOTAL DRAINAGE AREA 0.0484		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 70			
	19. NET SEDIMENT CONTRIBUTING AREA 0.0484		SQ. MI.		23. MEAN ANNUAL RUNOFF 35			
	20. LENGTH 0.24		MILES		AV. WIDTH 0.20			
	21. MAX. ELEV. 3250		MIN. ELEV. 2400		24. MEAN ANNUAL RUNOFF 93.3			
				25. ANNUAL TEMP: MEAN 55 RANGE NA				
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/I RATIO, AC.-FT. PER AC.-FT.
	06/14/74							
	06/30/80	6.04	6.04	D	M	N/A	N/A	N/A
	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		
	06/30/80	75.2	103.6	126.9	625.8	103.6	625.8	
	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	
	06/30/80	N/A	N/A	N/A	0.0116	0.0019	0.0393	
	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	
06/30/80	11	9.4	9.4	See 47	3.2	3.3		

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION												
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													

N/A

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														

N/A

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.

N/A

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

These data are for a weir ponding basin located on a first-order stream. Sediments have been measured at varying time periods; data in this report are summarized for the entire study period.

48. AGENCY MAKING SURVEY _____

49. AGENCY SUPPLYING DATA Coweeta Hydrologic Laboratory, SEFES, 50. DATE 3/11/82