

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Potato Creek Watershed
Site No. 56

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

11- 4

DATA SHEET NO.

Level	1. OWNER Towaliga S&WC District		2. STREAM Wasp Creek		3. STATE Georgia			
	4. SEC. TWP. RANGE		5. NEAREST P.O. Zebulon		6. COUNTY Pike			
	7. LAT. 33° 10' 16" LONG. 84° 17' 13"		8. TOP OF DAM ELEVATION 796.5		9. SPILLWAY CREST ELEV. 792.5			
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	792.5	128.5	1,415	1,548.3	9/7/66		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION							
g. INACTIVE	774.7	27.3	133.3	133.3	9/7/66			
WATERSHED	17. LENGTH OF RESERVOIR		1 MILES	AV. WIDTH OF RESERVOIR		0.20 MILES		
	18. TOTAL DRAINAGE AREA		6.48 SQ. MI.	22. MEAN ANNUAL PRECIPITATION		51.5 (30) INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		6.28 SQ. MI.	23. MEAN ANNUAL RUNOFF		17.8 (40) INCHES		
	20. LENGTH	4.15 MILES	AV. WIDTH	1.56 MILES	24. MEAN ANNUAL RUNOFF		6,151 (40) AC.-FT.	
	21. MAX. ELEV. 1,005		MIN. ELEV. 765		25. ANNUAL TEMP.: MEAN 62°F RANGE 1° - 100° F			
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.
	9/ 7/66	0	0			(27.3) 128.5	(133.3) 1,548.3	(0.022) 0.252
	10/17/77	11.11	11.11	Range (D)	(8) R 18 R	(27.03) 128.5	(122.7) 1,526.1	(0.020) 0.248
	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	
	10/17/77	55.1	6,739	9,880	74,299	6,739	74,299	
	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	
	10/17/77	(10.6) 22.2	(0.95) 1.99	(0.15) 0.32	(10.6) 22.2	(0.95) 1.99	(0.15) 0.32	
	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	
10/17/77	40	(129) 277	(129) 277	(0.71) 0.13	(7.94) 1.43	188	188	

CREST 2.5 6.5 10.5 14.5 17.8 22.5

26. DATE OF SURVEY	43. to DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	2.5	6.5	10.5	14.5	17.8	22.5	27.5								
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
10/17/77	1	1	3	42	10	19	24								
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														
10/17/77	11	19	16	7	11	16	13	3	2	2					
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>Numbers in parentheses refer to sediment pool only.</p> <p>Land use in the watershed, October 1977: cultivated, 431 acres; pasture, 1,588 acres; forest, 1,509 acres; idle, 148 acres; water (ponds), 91 acres; miscellaneous, 224 acres.</p> <p>Geology: granite, gneiss and schist.</p> <p>Report available.</p>															
48. AGENCY MAKING SURVEY				USDA, Soil Conservation Service											
49. AGENCY SUPPLYING DATA				USDA, Soil Conservation Service											
						50. DATE		December 7, 1977							