

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Mountain Lake
NAME OF RESERVOIR

21-39 a

DATA SHEET NO.

DAM	1. OWNER <u>Ray Right</u>			2. STREAM <u>Broad Ford Run</u>			3. STATE <u>Maryland</u>									
	4. SEC. <u>TWP.</u> <u>RANGE</u>			5. NEAREST TOWN <u>Mt. Lake Park</u>			6. COUNTY <u>Garrett</u>									
	7. STREAM BED ELEVATION <u>2387</u>			8. TOP OF DAM ELEVATION <u>2403</u>			9. SPILLWAY CREST ELEV. <u>2398</u>									
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. MULTIPLE USE										1880 (approx.)					
	b. FLOOD CONTROL															
	c. POWER															
	d. WATER SUPPLY										16. DATE NOR-MAL OPER. BEGAN					
	e. IRRIGATION															
	f. CONSERVATION		<u>2398</u>		<u>19.2</u>		<u>122.75</u>		<u>122.75</u>							
	g. SEDIMENT															
	h. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR <u>0.42</u> MILES				AV. WIDTH OF RESERVOIR <u>0.11</u> MILES											
	18. TOTAL DRAINAGE AREA <u>7.4</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION _____ INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA <u>7.4</u> SQ. MI.				23. MEAN ANNUAL RUNOFF _____ INCHES											
	20. LENGTH <u>4.75</u> MILES		AV. WIDTH <u>2</u> MILES		24. MEAN ANNUAL RUNOFF _____ AC.-F.T.											
	21. MAX. ELEV. <u>2600</u>		MIN. ELEV. <u>2405</u>		25. CLIMATIC CLASSIFICATION <u>Humid</u>											
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/W RATIO AC.-FT. PER SQ. MI.	
	1880 (app.)		--		--		--		--		19.2		122.75		16.6	
	July 1957		76		76		Range		4		19.2		77.02		10.4	
	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			
	July 1957		45.73		0.602		0.081		45.73		0.602		0.081			
	26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PERSQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM							
		a. PERIOD		b. TOTAL TO DATE		a. AV. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE				
July 1957						0.49		37.24								

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

48. AGENCY MAKING SURVEY Soil Conservation Service
 49. AGENCY SUPPLYING DATA Upper Darby, Pennsylvania

50. DATE _____