

RESERVOIR SEDIMENT DATA SUMMARY

Dry Run 102
NAME OF RESERVOIR

5 - 25
DATA SHEET NO.

DAM	1. OWNER Sours, Judd, Miller			2. STREAM Dry Run			3. STATE Virginia										
	4. SEC. -- TWP. -- RANGE --			5. NEAREST P.O. Luray			6. COUNTY Page										
	7. LAT 38° 38' 30" LONG. 78° 22' 00"			8. TOP OF DAM ELEVATION 1448.7			9. SPILLWAY CREST ELEV. 1440.0										
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		1443.5		18.4		348		439.27		7/18/69						
	b. MULTIPLE USE		--														
	c. POWER		--														
	d. WATER SUPPLY		--								16. DATE NORMAL OPER. BEGAN						
	e. IRRIGATION		--								7/18/69						
	f. CONSERVATION		--														
g. INACTIVE		1409.5		9.72		91.27		91.27									
17. LENGTH OF RESERVOIR			0.123			MILES			AV. WIDTH OF RESERVOIR			0.122			MILES		
18. TOTAL DRAINAGE AREA			2.08			SQ. MI.			22. MEAN ANNUAL PRECIPITATION			43.2			INCHES		
19. NET SEDIMENT CONTRIBUTING AREA			2.08			SQ. MI.			23. MEAN ANNUAL RUNOFF			15.0			INCHES		
20. LENGTH			2.13			MILES			AV. WIDTH			1.18			MILES		
21. MAX. ELEV.			3363			MIN. ELEV.			1395			25. ANNUAL TEMP.: MEAN 47°F RANGE 0°F to 90°F					
WATERSHED	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.		
	7/18/69		--		--		----		----		18.4		439.27		.264		
8/1-2/79		10.04		10.04		Range		3 ranges		18.4		437.91		.263			
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				
8/1-2/79		43.2"		4792.32						4792.30		48,114.69					
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					
8/1/79		1.36		0.135		0.066		1.36		0.135		0.066					
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					
8/1/79		80.25		115.4		115.4		.031		.31							

EXAMPLE

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

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.

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

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47. REMARKS AND REFERENCES

48. AGENCY MAKING SURVEY
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE _____