

RESERVOIR SEDIMENT DATA SUMMARY

Potomac Creek #2  
NAME OF RESERVOIR

5 - 24  
DATA SHEET NO.

DAM	1. OWNER Moncure and others		2. STREAM Potomac Creek		3. STATE Virginia			
	4. SEC. TWP. RANGE		5. NEAREST P.O. Falmouth		6. COUNTY Stafford			
	7. LAT. 38° 23' 45" N LONG. 77° 27' 40" W		8. TOP OF DAM ELEVATION 102.0		9. SPILLWAY CREST ELEV. 95.1			
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	95.1	42.0	374.0	428.0	10/16/70		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION					10/16/70		
g. INACTIVE	79.1	12.0	54.0	54.0				
WATERSHED	17. LENGTH OF RESERVOIR .038 MILES		AV. WIDTH OF RESERVOIR 400 ft. MILES					
	18. TOTAL DRAINAGE AREA 2.35 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 40.7 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 2.30 SQ. MI.		23. MEAN ANNUAL RUNOFF 14.0 INCHES					
	20. LENGTH 2.9 MILES		AV. WIDTH 0.9 MILES		24. MEAN ANNUAL RUNOFF 1754.67 AC.-FT.			
	21. MAX. ELEV. 330		MIN. ELEV. 80		25. ANNUAL TEMP: MEAN 56° RANGE 07° - 100°			
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.
	10/70	-	-	-	-	42.0	428.0	.244
	5/11/76	5.6	5.6	Range	8	42.0	424.3	.242
	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	
	5/11/76	40.7				493.0	2859.4	
	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	
	5/11/76	3.71	0.66	0.290	3.71 (No sub-areal sediment)	0.66	0.290	
	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	
5/11/76	66.5 64.1 70.5 67.0 average	423.0	423.0	0.155	0.87			

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
	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															
49. AGENCY SUPPLYING DATA Soil Conservation Service															
50. DATE _____															