

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Pohick Creek #7

SCS-34 Rev. 6-66

NAME OF RESERVOIR

5-19

DATA SHEET NO.

DAM	1. OWNER Vienna Develop. Corp.		2. STREAM -		3. STATE Virginia	
	4. SEC. TWP. RANGE		5. NEAREST P. O. Fairfax		6. COUNTY Fairfax	
	7. LAT. 38° 48' 45" LONG. 77° 11' 35"		8. TOP OF DAM ELEVATION 308.2		9. SPILLWAY CREST ELEV. 301.6	
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		301.6		27.14	
	b. MULTIPLE USE		295.1		18.07	
	c. POWER					
	d. WATER SUPPLY					
	e. IRRIGATION					
	f. CONSERVATION					
g. INACTIVE						
				16. DATE NORMAL OPER. BEGAN		
				5/70		
				5/70		
17. LENGTH OF RESERVOIR		0.435		MILES		
AV. WIDTH OF RESERVOIR		0.097		MILES		
WATERSHED	18. TOTAL DRAINAGE AREA		0.66		SQ. MI.	
	19. NET SEDIMENT CONTRIBUTING AREA		0.62		SQ. MI.	
	20. LENGTH		1.2		MILES	
	AV. WIDTH		.55		MILES	
	21. MAX. ELEV.		412		MIN. ELEV. 266	
22. MEAN ANNUAL PRECIPITATION		40.7		INCHES		
23. MEAN ANNUAL RUNOFF		14.0		INCHES		
24. MEAN ANNUAL RUNOFF		492.8		AC.-F. T.		
25. ANNUAL TEMP.: MEAN		55°F		RANGE 07°-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.			
	5/70		-		-	
	8/75		5.4		5.4	
	Range (A)		14			
	27.14		334.61		0.679	
	18.07 1/		190.06 1/		0.386 1/	
	27.14		329.63		0.669	
	18.07		185.08		0.376	
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		
8/75				492.8		
				2661.1		
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	
8/75		4.98			0.92	
		0.92			1.49	
		1.49			4.98	
		0.92			1.49	
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PER SQ. MI.-YR.		
		a. PERIOD		b. TOTAL TO DATE		
		a. AV. ANN.		b. TOT. TO DATE		
		a. PERIOD		b. TOT. TO DATE		
8/75		64.35		2093		
		2093		0.27		
		1.49				

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															
<p><u>1/</u> Combined sediment and recreation use storage</p> <p>Land Use in Watershed: 35% forest, 50% residential w/single and multi-family dwellings, 10% open fields and brush, 5% streets, roads, shopping centers and recreation facilities.</p>															
48. AGENCY MAKING SURVEY				Virginia State Office, Soil Conservation Service											
49. AGENCY SUPPLYING DATA				Soil Conservation Service				50. DATE <u>February 2, 1976</u>							