

RESERVOIR SEDIMENT
DATA SUMMARY

MARSH CREEK, PA-600

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

NAME OF RESERVOIR

4 - 24

DATA SHEET NO.

L.M.D.	1. OWNER Wellsboro Boro Council			2. STREAM Kelsey Creek		3. STATE PA		
	4. SEC. TWP. RANGE		5. NEAREST P.O. Wellsboro		6. COUNTY Tioga			
	7. LAT. 41° 45' "		" LONG. 77° 30' "		8. TOP OF DAM ELEVATION 1440.2		9. SPILLWAY CREST ELEV. 1434.0	
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	1434.0	30.5	532.4	616.4	11/67		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION							
WATERSHED	g. INACTIVE 1/	1401.0	7.5	84	84	11/67		
	17. LENGTH OF RESERVOIR .22 MILES			AV. WIDTH OF RESERVOIR .08 MILES				
	18. TOTAL DRAINAGE AREA 3.14 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 33 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 3.09 SQ. MI.		23. MEAN ANNUAL RUNOFF 15 INCHES					
	20. LENGTH 2.3 MILES	AV. WIDTH 1.4 MILES	24. MEAN ANNUAL RUNOFF 2512 AC.-F.T.					
21. MAX. ELEV. 2,300	MIN. ELEV. 1,120	25. ANNUAL TEMP: MEAN 42 RANGE -11 to 89						
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.
	11/67	-	-	Contour	2 foot	30.5	616.4	.24
	6/73	5.6	5.6	Contour	2 foot	30.5	583.8	.23
	9/78	5.2	10.8	Range	15 R	5.8 ^{1/2} 30.5 ^{2/2}	35.1 ^{1/2} 563.78 ^{2/2}	.22
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	
	11/67	-	-	-	-	-	-	
	6/73	40	2,624	4,295	14,694	2,624	14,694	
9/78	38	3,174	7,268	16,505	2,899	31,309		
SURVEY DATA	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	
	11/67	-	-	-	-	-	-	
	6/73	32.60	5.82 ^{1/2}	1.88 ^{1/2}	32.60	5.82 ^{1/2}	1.88 ^{1/2}	
9/78	16.30 ^{1/2} 20.02 ^{2/2}	3.13 ^{1/2} 3.85 ^{2/2}	1.00 ^{1/2} 1.25 ^{2/2}	48.90 ^{1/2} 52.62 ^{2/2}	4.53 ^{1/2} 4.87 ^{2/2}	1.45 ^{1/2} 1.58 ^{2/2}		
SURVEY DATA	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
	11/67	-	-	-	-	-	-	-
	6/73	93 ^{3/2}	3,813	3,813	0.94	5.29	3,030	3,030
9/78	93	2,028 ^{1/2} 2,522 ^{2/2}	2,937 ^{1/2} 3,191 ^{2/2}	5.39 ^{1/2} .79	58.21 ^{1/2} 8.54 ^{2/2}	1,541	2,215	

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>1/ Sediment pool only.</p> <p>2/ Total reservoir below crest elevation 1,434.0</p> <p>3/ Average of 3 samples.</p>															
48. AGENCY MAKING SURVEY					49. AGENCY SUPPLYING DATA Soil Conservation Service										
					50. DATE _____										