

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Martin Creek, PA-467

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

4-23

DATA SHEET NO.

DAM	1. OWNER <u>Susquehanna S.C.D.</u>			2. STREAM <u>Trib. of Martin</u>			3. STATE <u>Pennsylvania</u>						
	4. SEC. - <u>TWP. -</u> RANGE -			5. NEAREST P.O. <u>Kingsley</u>			6. COUNTY <u>Susquehanna</u>						
	7. LAT <u>41° 46' - "</u> LONG <u>75° 45' - "</u>			8. TOP OF DAM ELEVATION <u>1,237.0</u>			9. SPILLWAY CREST ELEV. <u>1,227.9</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. FLOOD CONTROL		<u>1,227.9</u>		<u>7.3</u>		<u>132</u>		<u>136.33</u>		<u>9/67</u>		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION												
	f. CONSERVATION												
	g. INACTIVE		<u>1,198.3</u>		<u>1.31</u>		<u>4.33</u>		<u>4.33</u>		<u>9/67</u>		
WATERSHED	17. LENGTH OF RESERVOIR <u>.182</u> MILES				AV. WIDTH OF RESERVOIR <u>.063</u> MILES								
	18. TOTAL DRAINAGE AREA <u>.80</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>39</u> INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA <u>.79</u> SQ. MI.				23. MEAN ANNUAL RUNOFF <u>19</u> INCHES								
	20. LENGTH <u>1.23</u> MILES		AV. WIDTH <u>.64</u> MILES		24. MEAN ANNUAL RUNOFF <u>811</u> AC.-FT.								
	21. MAX. ELEV. <u>1630</u>		MIN. ELEV. <u>1198</u>		25. ANNUAL TEMP: MEAN <u>45°</u> RANGE <u>35° - 56°F.</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/I. RATIO, AC.-FT. PER AC.-FT.	
	No initial survey		-	-	Range <u>1/</u>		3	1.31		4.33		0.005	
	9/75		8.0	8.0	Range <u>2/</u>		7	7.3		136.33		0.17	
	9/75		8.0	8.0	Range <u>1/</u>		3	1.31		3.75		0.005	
	9/75		8.0	8.0	Range <u>2/</u>		7	7.3		135.75		0.17	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.				
	No initial survey		-		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL		a. MEAN ANNUAL	b. TOTAL TO DATE			
	9/75		50.8		-	-	-		-	-			
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET							
	no initial survey		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI. YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI. YEAR					
9/75		0.58	.07	.09	0.58	.07	.09						
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					
No initial survey		a. PERIOD	b. TOTAL TO DATE	a. AV. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE						
9/75		67.3	131.9	131.9	1.62 <u>1/</u>	.05 <u>2/</u>	13.39 <u>1/</u>	.43 <u>2/</u>					

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> Sediment Pool only.</p> <p><u>2/</u> At emergency spillway crest.</p>															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA      Soil Conservation Service															
50. DATE _____															