

RESERVOIR SEDIMENT
DATA SUMMARY

PA-425

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

Little Schuylkill Watershed

NAME OF RESERVOIR

4 - 26

DATA SHEET NO.

Schuylkill, Carbon & Berks

DAM	1. OWNER County Conservation Dist			8. STREAM Koenig			3. STATE Pennsylvania					
	4. SEC. - TWP. - RANGE -			5. NEAREST P.O. New Ringgold			6. COUNTY Schuylkill					
	7. LAT. 40° 41' 36" LONG. 75° 56' 39"			8. TOP OF DAM ELEVATION 735.6			9. SPILLWAY CREST ELEV. 730.8					
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA,		13. ORIGINAL CAPACITY.		14. GROSS STORAGE,		15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL		730.8		30.5		214		244.8		7/62	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION											
g. INACTIVE		718		6.8		30.8		30.8		8/62		
WATERSHED	17. LENGTH OF RESFRVOIR .14				AV. WIDTH OF RESERVOIR .06							
	18. TOTAL DRAINAGE AREA 1.09				22. MEAN ANNUAL PRECIPITATION 49.3							
	19. NET SEDIMENT CONTRIBUTING AREA 1.08				23. MEAN ANNUAL RUNOFF 25.32 (13 yrs) ^{1/}							
	20. LENGTH 1.1		AV. WIDTH .99		24. MEAN ANNUAL RUNOFF 1,472 ^{1/}							
	21. MAX. ELEV. 1017.2		MIN. ELEV. 706.7		25. ANNUAL TEMP.: MEAN 48 RANGE							
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,		32. CAPACITY,		33. C/I. RATIO,	
	8/62 ^{2/}		-	-	Contour	25 ranges ^{3/} CI 2.0 ^{4/}	6.8 ^{3/} 30.5 ^{4/}		30.8 ^{3/} 244.8 ^{4/}		.166 ^{4/}	
	7/76		13.9	13.9	Range	9R	6.8 ^{3/} 30.5 ^{4/}		27.5 ^{3/} 241.25 ^{4/}		.164 ^{4/}	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW.			36. WATER INFL. TO DATE.				
					a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL		a. MEAN ANNUAL	b. TOTAL TO DATE		
	7/76		49.26		1472 ^{1/}	2442 ^{1/}	20.461		1,472	20,461		
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS,			38. TOTAL SED. DEPOSITS TO DATE,						
			a. PERIOD TOTAL	b. AV. ANNUAL	c. PER YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER YEAR				
	7/76		3.31 ^{3/} 3.55 ^{4/}	0.24 ^{3/} 0.26 ^{4/}	0.22 ^{3/} 0.24 ^{4/}	3.31 ^{3/} 3.55 ^{4/}	0.24 ^{3/} 0.26 ^{4/}	0.22 ^{3/} 0.24 ^{4/}				
	26. DATE OF SURVEY		39. AV. CRY WGT.,	40. SED. DEP.,		-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					
7/76		79.4 ^{5/}	380 ^{3/} 424 ^{4/}	380. ^{3/} 424 ^{4/}	0.78 ^{3/} 0.11 ^{4/}	10.75 ^{3/} 1.45 ^{4/}	224		224			

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

- 1/ Water Resources Data for Pa.
- 2/ Original survey made same month as storage began; amount of sediment deposited is insignificant.
- 3/ Sediment pool only.
- 4/ Total reservoir below emergency spillway crest (730.8)
- 5/ Averaged dry unit weight from 3 samples.

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