

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Pylkas Dam<sup>3/</sup>  
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

4- 9a

DATA SHEET NO.

DAM	1. OWNER <b>Pylkas</b>			2. STREAM <b>Dean Creek</b>			3. STATE <b>New York</b>									
	4. SEC. <b>TWP. RANGE</b>			5. NEAREST P.O. <b>Spencer</b>			6. COUNTY <b>Tioga</b>									
	7. LAT. <b>42° 10' "LONG. 76° 31' "</b>			8. TOP OF DAM ELEVATION <b>1296.0</b>			9. SPILLWAY CREST ELEV. <b>1293.4</b>									
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		1293.4		26		180.7		187.31		July 1955					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION															
	f. CONSERVATION															
	g. INACTIVE		1276.25		1.84		6.61		6.61		July 1955					
WATERSHED	17. LENGTH OF RESERVOIR				0.13 MILES				AV. WIDTH OF RESERVOIR				0.30 MILES			
	18. TOTAL DRAINAGE AREA				0.71 SQ. MI.				22. MEAN ANNUAL PRECIPITATION				34.28 INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA				0.71 SQ. MI.				23. MEAN ANNUAL RUNOFF				19.75 INCHES			
	20. LENGTH		0.75 MILES		AV. WIDTH		0.95 MILES		24. MEAN ANNUAL RUNOFF		747.9 AC.-F.T.					
	21. MAX. ELEV.		1753		MIN. ELEV.		1260 <sup>1/</sup>		25. ANNUAL TEMP: MEAN 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, ACRES		32. CAPACITY, ACRE-FEET		33. C/I. RATIO, AC.-FT. PER AC.-FT.	
	7/55		-		-		-		-		26		187.31		.250	
	8/57		2		2		Range		4 (R)		26		187.13		.250	
	6/20/66		8.9		10.9		Range		4 (R)		26		186.70		.249	
	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			
	7/55		35.99		785.3		-		1570.6		743.7		8106.7			
	8/57		33.70		734.4		-		6536.2							
	6/20/66															
	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				
7/55		0.184		0.092		0.130		0.184 <sup>2/</sup>		0.092		0.130				
8/57		0.430		0.048		0.068		0.614 <sup>2/</sup>		0.056		0.079				
6/20/66																
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. 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		
8/57		80.0*		226.5		226.5		0.049		0.098						
6/20/66		80.0*		119.0		137.6		0.021		0.328						

\*Assumed weight

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/ Minimum elevation from topo sheet  
 2/ Total percent of sediment pool lost - 6.5%  
 3/ Revised and corrected 10/11/68

48. AGENCY MAKING SURVEY Soil Conservation Service, Syracuse, N. Y.  
 49. AGENCY SUPPLYING DATA Soil Conservation Service 50. DATE 10/11/68