

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Conewango Creek Site 9A
NAME OF RESERVOIR

SCS-34 Rev. 6-66

21 - 66
DATA SHEET NO.

DAM	1. OWNER Chautauqua Co. N.Y.			2. STREAM Trib.W.Br.Conewango			3. STATE New York						
	4. SEC. TWP. RANGE			5. NEAREST P.O. S.Dayton LWNW			6. COUNTY Chautauqua						
	7. LAT. 42° 23' 05" LONG. 79° 06' 58"			8. TOP OF DAM ELEVATION 1391.8			9. SPILLWAY CREST ELEV. 1386.6						
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		1386.6		59.5		665		710.06		9/25/74		
	b. MULTIPLE USE										2/		
	c. POWER												
	d. WATER SUPPLY										16. DATE NOR-MAL OPER. BEGAN		
	e. IRRIGATION										2/		
	f. CONSERVATION												
	g. INACTIVE		1366.6		9.98		45.06 1/		45.06 1/		9/25/74		
17. LENGTH OF RESERVOIR				0.5 MILES		AV. WIDTH OF RESERVOIR				0.186 MILES			
18. TOTAL DRAINAGE AREA				6.0 SQ. MI.		22. MEAN ANNUAL PRECIPITATION				43.0 INCHES			
19. NET SEDIMENT CONTRIBUTING AREA				5.9 SQ. MI.		23. MEAN ANNUAL RUNOFF				23.5 INCHES			
20. LENGTH		4.0 MILES		AV. WIDTH		1.5 MILES		24. MEAN ANNUAL RUNOFF				7519.5 AC.-F.T.	
21. MAX. ELEV. 1730.0				MIN. ELEV. 1354.0				25. ANNUAL TEMP: MEAN RANGE					
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.			
9/25/74		--	--	Range		22	59.5	710.06		.094			
9/2/76		1.92	1.92	"		13	59.5	709.32		.094			
9/14/78		2.1	4.0	"		11	59.5	707.46		.094			
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				
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						
9/25/74		--	--	--	--	--	--						
9/2/76		.74	.385	.065	.74	.39	.065						
9/14/78		1.86	.886	.150	2.60	.65	.109						
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						
9/25/74		--	--	--	--	--	--						
9/8/76		80.0*	113.6	113.6	.054	.104							
9/14/78		80.0*	261.3	190.8	.091	.366							

* Assumed

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/ Inactive Pool Vol. Should be 45.06 Not 41.95 as originally computed.

2/ Storage and normal Operation Began 9/25/74 Not 10/25/74.

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE 8/21/79