

RESERVOIR SEDIMENT DATA SUMMARY
Newtown-Hoffman Site 1

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Chemung Co. SCWCD			2. STREAM Trib. of Newtown Cr			3. STATE New York						
	4. SEC. TWP		RANGE		5. NEAREST P.O. Erin			6. COUNTY Chemung					
	7. LAT 42° 10' 26" LONG 76° 39' 57"			8. TOP OF DAM ELEVATION 1330.5			9. SPILLWAY CREST ELEV. 1321.2						
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		1331.2		38		329		364		12/19/75		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION												
	f. CONSERVATION												
g. INACTIVE		1300.7		6.5		35		35		12/19/75			
WATERSHED	17. LENGTH OF RESERVOIR				0.47 MILES		AV. WIDTH OF RESERVOIR				0.125 MILES		
	18. TOTAL DRAINAGE AREA				3.46 SQ. MI.		22. MEAN ANNUAL PRECIPITATION				34 INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA				3.38 SQ. MI.		23. MEAN ANNUAL RUNOFF				12 INCHES		
	20. LENGTH		2.12 MILES		AV. WIDTH		1.63 MILES		24. MEAN ANNUAL RUNOFF		2214.3 AC.-FT.		
	21. MAX. ELEV. 1790			MIN. ELEV. 1283			25. ANNUAL TEMP.: MEAN 41 RANGE 60° to 39°F						
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.	
	12/75		-	-	Range	11		38		364.0		0.164	
	10/78		2.8	2.8	"	10		38		363.40		0.164	
	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
	12/75		0.60		0.214		0.063		0.60		0.214		0.063
	12/78												
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. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
12/75		---		---		---		---		---		---	
10/78		80.0*		109.77		109.77		0.059		0.165			

*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

48. AGENCY MAKING SURVEY Soil Conservation Service, Syracuse, NY
 49. AGENCY SUPPLYING DATA " " " " 50. DATE 8/28/79