

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

Mount Morris
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

4-18

DATA SHEET NO.

DAM	1. OWNER Federal (Corps of Engr.)		2. STREAM Genesee River		3. STATE New York			
	4. SEC. - TWP. - RANGE -		5. NEAREST TOWN Mt. Morris		6. COUNTY Livingston			
	7. STREAM BED ELEVATION 577		8. TOP OF DAM ELEVATION 790		9. SPILLWAY CREST ELEV. 760			
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. MULTIPLE USE							
	b. FLOOD CONTROL	760	3,300	333,350	338,010	24 Nov '51		
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION	598	450	4,050	4,660	26 Jun '52		
	g. SEDIMENT							
h. INACTIVE	585	170	610	610				
17. LENGTH OF RESERVOIR 17 MILES			AV. WIDTH OF RESERVOIR 0.30 MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 1077 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 28-42 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 1011 SQ. MI.		23. MEAN ANNUAL RUNOFF 16.98(1908-62) INCHES					
	20. LENGTH 84 MILES	AV. WIDTH 12.8 MILES	24. MEAN ANNUAL RUNOFF 975,300 AC.-FT.					
	21. MAX. ELEV. 2,000	MIN. ELEV. 577	25. CLIMATIC CLASSIFICATION Humid					
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/W RATIO AC.-FT. PER SQ. MI.
	24 Nov 1951	-	-	Range(D)	31	3,300	338,010	314
	29 May 1957	5.5	5.5	Range(D)	22		336,611	313
	5 May 1963	5.9	11.4	Range(D)	29		335,393	311
	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	
	24 Nov 1951	-	-	-	-	-	-	
	29 May 1957	33.6	956,000	1,340,000	5,257,000	912,000	10,040,000	
	5 May 1963	31.3	811,000	1,186,000	4,783,000			
	26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS 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	
24 Nov 1951	-	-	-	-	-	-		
29 May 1957	1399 (1)	254	0.25	1399	254	0.25		
5 May 1963	1218 (1)	206	0.20	2617	230	0.23		
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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
24 Nov 1951	-	-	-	-	-	-	-	
29 May 1957	-	419 (2)	419	0.075	0.41	328 (2)	-	
5 May 1963	77	335	386	0.068	0.77	314	322	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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														
5 May 1963	28.7	22.2	10.5	10.7	9.9	11.2	6.8								

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV. #	INFLOW AC.-FT.
1952	642.7	585.2	973,000	1960	719.4	586.4	1,186,000
1953	628.2	585.7	824,000	1961	679.1	585.1	829,000
1954	618.0	585.3	739,000	1962	621.9	585.3	554,000
1955	650.9	585.8	577,000	1963	687.7	585.5	571,000
1956	706.9	586.2	1,340,000				
1957	639.1	586.1	932,000				
1958	652.8	585.3	778,000				
1959	672.7	586.5	903,000				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

- (1) Includes material upstream of range No. 21 deposited at a uniform annual rate for the period between 1951 and 1963
- (2) Average dry weight for period not determined. Assumed equal to that determined in 1963
- (3) No resurvey of upper 34 percent of reservoir length has been made.

48. AGENCY MAKING SURVEY _____

49. AGENCY SUPPLYING DATA _____

50. DATE _____