

U.S. DEPARTMENT OF AGRICULTURE
**RESERVOIR SEDIMENTATION
DATA SUMMARY**

Milton WPA Dam
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
30-11
DATA SHEET NO.

DAM	1. OWNER				2. RIVER Park River		3. STATE North Dakota			
	4. SEC. 31 TWP. 160 N RANGE 57 W			5. NEAREST TOWN Milton		6. COUNTY Cavalier				
	7. STREAM BED ELEV. 86.0*			8. TOP OF DAM ELEV. 105.0*		9. SPILLWAY CREST ELEV. 100.0*				
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN				
	a. FLOOD CONTROL					1934				
	b. POWER									
	c. WATER SUPPLY	100.0*	12.22	66.59	66.59	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE					1934				
17. LENGTH OF RESERVOIR 0.57 MILES				AV. WIDTH OF RESERVOIR 0.033 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 14.375 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 17.62 ¹ / INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 14.356 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.682 ² / INCHES						
	20. LENGTH 14.0 MILES		AV. WIDTH 1.02 MILES		24. MEAN ANNUAL RUNOFF 521.0 AC.-FT.					
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Semi-arid					
	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.	
1934		--	--	--	--	12.22	66.59	4.63		
May 1955		21	21	Range (D)	7	12.22	46.19	3.21		
SURVEY DATA	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	d. MEAN ANNUAL	e. TOTAL TO DATE	
	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	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR		
	May 1955		20.40	0.9714	0.0676	20.40	0.9714	0.0676		
	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		
	May 1955		35.0*	51.53	51.53	1.45	30.63			

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															

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/Adams, N. Dak., rainfall record.
2/Mean annual runoff - U.S.G.S. Circulars 37 and 52.
 *Assumed

48. AGENCY SUPPLYING DATA SCS, Fargo, North Dakota
 49. DATE December 1955