

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Dougherty Dam  
NAME OF RESERVOIR

30-4

DATA SHEET NO.

DAM	1. OWNER C.C.C.			2. RIVER No. Branch Forest River		3. STATE North Dakota		
	4. SEC. 31 TWP. 157N RANGE 57W			5. NEAREST TOWN Adams		6. COUNTY Walsh		
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV.		
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					1935		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION		24.9	150.7	150.7	1935		
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.91 MILES			14. AV. WIDTH OF RESERVOIR .038 MILES				
	18. TOTAL DRAINAGE AREA 20.2 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 17.69 <sup>1</sup> / <sub>2</sub> INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 14.6 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.67 <sup>2</sup> / <sub>2</sub> INCHES				
	20. LENGTH 7 MILES AV. WIDTH 2.9 MILES			24. MEAN ANNUAL RUNOFF 721 AC.-FT.				
	21. MAX. ELEV. MIN. ELEV.			25. CLIMATIC CLASSIFICATION sub-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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.
	1935	-	-	-	-	24.9	150.7	7.46
	Aug. 1957	22	22	Range Detailed	13	24.9	139.6	6.91
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-FT.	
		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. 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	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	
	Aug. 1957	11.1	0.50	.034	11.1	0.50	.034	
	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		
Aug. 1957	25	18.81	18.81	.33	7.365			

