

RESERVOIR SEDIMENTATION
DATA SUMMARY

Blabon Dam

NAME OF RESERVOIR

30 - 3

DATA SHEET NO.

DAM	1. OWNER			2. RIVER Trib. of Goose River			3. STATE North Dakota									
	4. SEC. 3 TWP. 145 N RANGE 56 W			5. NEAREST TOWN Blabon			6. COUNTY Steele									
	7. STREAM BED ELEV. 87.8*			8. TOP OF DAM ELEV. 104.0*			9. SPILLWAY CREST ELEV. 100.8*									
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		100.3*		20.06		130.69		130.69		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION										1935					
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.46 MILES				AV. WIDTH OF RESERVOIR 0.068 MILES											
	18. TOTAL DRAINAGE AREA 1.219 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 17.441/ INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 1.188 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.602/ INCHES											
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF 38.97 AC.-FT.											
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Semi-arid											
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.	
	1935		--		--		--		--		20.06		130.69		107.32	
	October 1955		20		20		Range (D)		8		20.06		107.29		88.01	
	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			
	October 1955		23.4		1.17		0.98		23.4		1.17		0.98			
	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		c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE		
October 1955		41.0 (2)		875		875		0.895		17.9						

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/Colgate, 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