

RESERVOIR SEDIMENTATION
DATA SUMMARY

Kuhns Reservoir #2

32-11

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Bernice Kuhns			2. RIVER Bloody Run			3. STATE Nebraska			
	4. SEC. 10 TWP. 3N RANGE 8E			5. NEAREST TOWN Virginia			6. COUNTY Gage			
	7. STREAM BED ELEV. 87			8. TOP OF DAM ELEV.			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				
	d. FLOOD CONTROL					1946				
	b. POWER									
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION	100.0		1.83	9.67	9.67	1946			
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR 0.104 MILES			AV. WIDTH OF RESERVOIR 0.038 MILES						
	18. TOTAL DRAINAGE AREA (65 Ac) 0.102 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 27.33 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA .099 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH MILES			AV. WIDTH MILES			24. MEAN ANNUAL RUNOFF AC.-FT.			
	21. MAX. ELEV.			MIN. ELEV. 87			25. CLIMATIC CLASSIFICATION			
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.		
	1946	0	0	-	-	1.83	9.67	94.8		
	1956	10	10	Range Detailed	5	1.83	8.06	79.0		
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	a. MEAN ANNUAL	b. TOTAL TO DATE.			
SURVEY DATA	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			
	May '56	1.61	.161	1.58	1.61	.161	1.58			
SURVEY DATA	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, 1956	65 2/	2237	2237	1.7	16.6				

* Assumed elevation
2/ Assumed av. dry weight

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

48. AGENCY SUPPLYING DATA Soil Conservation Service 49. DATE May, 1956