

U.S. DEPARTMENT OF AGRICULTURE
RESERVOIR SEDIMENTATION
DATA SUMMARY

Schneider Reservoir
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
37-20a
DATA SHEET NO.

DAM	1. OWNER <u>Maynard Schneider</u>			2. RIVER <u>Long Branch</u>			3. STATE <u>Nebraska</u>								
	4. SEC <u>12</u> TWP. <u>4N</u> RANGE <u>12E</u>			5. NEAREST TOWN <u>Johnson</u>			6. COUNTY <u>Nemaha</u>								
	7. STREAM BED ELEV. <u>88.0</u>			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. <u>100.0*</u>								
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										1952				
	b. POWER														
	c. WATER SUPPLY														
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION		<u>100.0</u>		<u>2.18</u>		<u>10.4</u>		<u>10.4</u>		1952				
f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR <u>0.208</u> MILES						AV. WIDTH OF RESERVOIR <u>0.034</u> MILES								
	18. TOTAL DRAINAGE AREA (<u>120</u> Ac) <u>.188</u> SQ. MI.						22. MEAN ANNUAL PRECIPITATION <u>34.10</u> INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA <u>.184</u> SQ. MI.						23. MEAN ANNUAL RUNOFF INCHES								
	20. LENGTH MILES			AV. WIDTH MILES			24. MEAN ANNUAL RUNOFF AC.-FT.								
	21. MAX. ELEV.			MIN. ELEV. <u>88.0</u>			25. CLIMATIC CLASSIFICATION								
	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.
1952		0		0		-		-		2.18		10.4		55.3	
1956		4		4		Range Detailed		6		2.18		6.23		33.1	
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			
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			
1956		4.17		1.04		5.65		4.17		1.04		5.65			
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			
1956		65 <u>1/</u>		8000		8000		10.0		40.0					

* Assumed elevation
1/ 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 1956