

**RESERVOIR SEDIMENTATION  
 DATA SUMMARY**

Onner Reservoir  
 NAME OF RESERVOIR

32-12  
 DATA SHEET NO.

DAM	1. OWNER <u>August Onner</u>			2. RIVER <u>Trib of Little Blue R.</u>			3. STATE <u>Nebraska</u>									
	4. LONG. <u>SEC 15</u> LAT. <u>T2N</u> RANGE <u>1E</u>			5. NEAREST TOWN <u>Gladstone</u>			6. COUNTY <u>Jefferson</u>									
	7. STREAM BED ELEV. <u>93.1</u>			8. TOP OF DAM ELEV. <u>103</u>			9. SPILLWAY CREST ELEV. <u>100#</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										1946					
	b. POWER															
	c. WATER SUPPLY		<u>100</u>		<u>2.509</u>		<u>5.587</u>		<u>5.587</u>		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										1946					
	e. CONSERVATION															
WATERSHED	f. INACTIVE															
	17. LENGTH OF RESERVOIR				<u>0.170</u> MILES		AV. WIDTH OF RESERVOIR				<u>0.026</u> FEET					
	18. TOTAL DRAINAGE AREA ( <u>187 Ac</u> )				<u>0.292</u> SQ. MI.		22. MEAN ANNUAL PRECIPITATION				<u>28.81</u> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA				<u>0.283</u> SQ. MI.		23. MEAN ANNUAL RUNOFF									
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				AG.-FT.			
21. MAX. ELEV.			MIN. ELEV. <u>93.1</u>			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		-		-		2.509		5.587		19.13	
	1958		12		12		Range Detailed		10		2.509		3.735		12.79	
	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			
	1958		1.852		0.154		0.527		1.852		0.154		0.527			
			0.578 <u>1/</u>		0.048		0.164		0.578		0.048		0.164			
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. 1958		65 <u>2/</u>		746 <u>232 1/</u>		746 <u>232</u>		2.8		33.1						

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 Aug. 1958