

**RESERVOIR SEDIMENTATION  
 DATA SUMMARY**

Wit Reservoir

32-14

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER <u>J. Wit</u>			2. RIVER <u>Trib of Little Blue R.</u>			3. STATE <u>Nebraska</u>					
	4. LONG. <u>SEC. 12</u> LAT. <u>T1N</u> RANGE <u>2W</u>			5. NEAREST TOWN <u>Hubbell</u>			6. COUNTY <u>Thayer</u>					
	7. STREAM BED ELEV. <u>88.0</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>2.353</u>		<u>12.274</u>		<u>12.274</u>		16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION											
	e. CONSERVATION											
	f. INACTIVE										1946	
WATERSHED	17. LENGTH OF RESERVOIR <u>0.228</u> MILES				AV. WIDTH OF RESERVOIR <u>0.028</u> FEET							
	18. TOTAL DRAINAGE AREA ( <u>122 Ac</u> ) <u>.191</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>26.68</u> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>.187</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 _____							
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	-	-	2.353		12.274		64.26	
	1958		12	12	Range Detailed	10	2.353		6.522		34.15	
	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		5.752	0.479	2.508	5.752		0.479		2.508		
			2.101 <u>1/</u>	0.175	0.916	2.101		0.175		0.916		
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>	3551 <u>1/</u>	3551 <u>1/</u>	3.9	46.9						

