

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Hawley Reservoir

NAME OF RESERVOIR

31-19

DATA SHEET NO.

DAM	1. OWNER <u>Pat. Hawley</u>			2. RIVER <u>Trib of Nemaha R.</u>			3. STATE <u>Nebraska</u>					
	4. SEC. <u>33</u> TWP. <u>6N</u> RANGE <u>12E</u>			5. NEAREST TOWN <u>Brock</u>			6. COUNTY <u>Nemaha</u>					
	7. STREAM BED ELEV. <u>88.4</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										1947	
	b. POWER											
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION											
	e. CONSERVATION		<u>100.0</u>		<u>3.52</u>		<u>11.37</u>		<u>11.37</u>		<u>1947</u>	
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR <u>0.106</u> MILES						AV. WIDTH OF RESERVOIR <u>0.057</u> MILES					
	18. TOTAL DRAINAGE AREA ( <u>77 Ac</u> ) <u>0.12</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>34.10</u> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>.115</u> SQ. MI.				23. MEAN ANNUAL RUNOFF _____ INCHES							
	20. LENGTH _____ MILES		AV. WIDTH _____ MILES		24. MEAN ANNUAL RUNOFF _____ AG.-FT.							
	21. MAX. ELEV. _____		MIN. ELEV. <u>88.4</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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.			
	1947		0	0	-	-	3.52	11.37	94.8			
	1956		9	9	Range Detailed	5	3.52	10.35	86.3			
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-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		1.02	.113	.942	1.02	.113	.942				
	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>	1334	1334	1.0	9.0						

\* Assumed elevation  
1/ Assumed av. dry weight

