

U.S. DEPARTMENT OF AGRICULTURE
RESERVOIR SEDIMENTATION
DATA SUMMARY

Ingwerson Reservoir #1
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
35-30a
DATA SHEET NO.

DAM	1. OWNER <u>Sterling Ingwerson</u>			2. RIVER <u>Turkey Creek</u>			3. STATE <u>Nebraska</u>			
	4. SEC. <u>36</u> TWP. <u>12N</u> RANGE <u>12E</u>			5. NEAREST TOWN <u>Louisville</u>			6. COUNTY <u>Cass</u>			
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. <u>112.4*</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					16. DATE NORMAL OPER. BEGAN				
	c. WATER SUPPLY					1952				
	d. IRRIGATION									
	e. CONSERVATION			<u>1.21</u>	<u>12.17</u>	<u>12.17</u>				
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR <u>0.090</u> MILES			AV. WIDTH OF RESERVOIR <u>0.023</u> MILES						
	18. TOTAL DRAINAGE AREA (<u>135</u> Ac) <u>.211</u> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <u>28.71</u> INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA <u>.209</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. _____		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.		
	<u>1952</u>	<u>0</u>	<u>0</u>	<u>-</u>	<u>-</u>	<u>1.21</u>	<u>12.17</u>	<u>57.7</u>		
	<u>1957</u>	<u>5</u>	<u>5</u>	<u>Range Detailed</u>	<u>8</u>	<u>1.21</u>	<u>10.19</u>	<u>48.3</u>		
	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. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR			
	<u>1957</u>	<u>1.98</u>	<u>.396</u>	<u>1.89</u>	<u>1.98</u>	<u>.396</u>	<u>1.89</u>			
	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				
<u>1957</u>	<u>65 1/</u>	<u>2676</u>	<u>2676</u>	<u>3.26</u>	<u>16.3</u>					

* 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
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 1957				