

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Pickrell Reservoir #3  
NAME OF RESERVOIR

35-40

DATA SHEET NO.

DAM	1. OWNER San Pickrell			2. RIVER Russell Creek			3. STATE Nebraska									
	4. SEC. 23 TWP. 8N RANGE 10E			5. NEAREST TOWN Unadilla			6. COUNTY Otoe									
	7. STREAM BED ELEV. 107.4			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 122.7*									
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										1939					
	b. POWER															
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION		122.7		1.08		5.04		5.04							
	f. INACTIVE										1939					
WATERSHED	17. LENGTH OF RESERVOIR 0.068 MILES						AV. WIDTH OF RESERVOIR 0.024 MILES									
	18. TOTAL DRAINAGE AREA (56 Ac) .088 SQ. MI.						22. MEAN ANNUAL PRECIPITATION 29.46 INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA .086 SQ. MI.						23. MEAN ANNUAL RUNOFF INCHES									
	20. LENGTH MILES AV. WIDTH MILES						24. MEAN ANNUAL RUNOFF AC.-FT.									
	21. MAX. ELEV. MIN. ELEV. 107.4						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.	
	1939		0		0		-		-		1.08		5.04		57.3	
	1957		18		18		Range Detailed		4		1.08		1.40		15.9	
	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			
	1957		3.65		.203		2.31		3.65		.203		2.31			
	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		
1957		65 1/		3270		3270		4.02		72.4						

\* 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 1957 \_\_\_\_\_