

RESERVOIR SEDIMENTATION
DATA SUMMARY

Adair

15-25

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Adair Ranch			2. RIVER N. Caney			3. STATE Kansas					
	4. SEC. 19 TWP. 32 RANGE 11 E			5. NEAREST TOWN Sedan			6. COUNTY Chautauqua					
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.					
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					March 1953						
	b. POWER											
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN						
	d. IRRIGATION											
	e. CONSERVATION			2.9	20.9	20.9	March 1953					
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 1/6 MILES			AV. WIDTH OF RESERVOIR 0.07 MILES								
	18. TOTAL DRAINAGE AREA 0.33 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 35 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 0.33 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES								
	20. LENGTH 0.9 MILES AV. WIDTH 0.36 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.				
	March, 1953	-	-	-	-	2.9	20.9	63.3				
	September 1960	7.5	7.5	Range	4	2.9	20.2	61.2				
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AQ- FT.					
		a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL	d. MEAN ANNUAL		b. TOTAL TO DATE			
	September 1960	35 inches										
	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		d. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.- YEAR
	September 1960	0.7		.093		.28		0.7		.093		0.28
	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	
September 1960	55		335		.44		3.35					

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION													
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													

28. 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 NOV-6-1961