

RESERVOIR SEDIMENTATION
DATA SUMMARY

Staats

45-34

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Staats Ranch			2. RIVER Middle Caney			3. STATE Kansas														
	4. SEC. TWP. RANGE			5. NEAREST TOWN Cedarvale			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					Jan. 1943															
	b. POWER																				
	c. WATER SUPPLY																				
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN															
	e. CONSERVATION	--		8.74	81.46	81.46	Sept. 1960														
	f. INACTIVE																				
WATERSHED	17. LENGTH OF RESERVOIR --			MILES			AV. WIDTH OF RESERVOIR			MILES											
	18. TOTAL DRAINAGE AREA			0.49			SQ. MI.			22. MEAN ANNUAL PRECIPITATION			35			INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA			0.49			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.											
	Jan. 1943	-	-	-	-	8.74		81.46		166											
	Sept. 1960	17.7	17.7	Range	6	8.74		77.94		159											
	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			d. MEAN ANNUAL e. 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			d. TOTAL TO DATE e. AV. ANNUAL f. PER SQ. MI.- YEAR																
	Sept. 1960	3.52 0.20 0.41			3.52 0.2 0.41																
	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		c. AV. ANNUAL d. TOT. TO DATE		e. PERIOD f. TOT. TO DATE															
Sept. 1960	60	536. 536.		0.24 4.32																	

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 _____