

# RESERVOIR SEDIMENT DATA SUMMARY

No. 13-12 Middle Caney  
NAME OF RESERVOIR

45- 61  
DATA SHEET NO.

DAM	1. OWNER <u>Thomas Inman</u>		2. STREAM <u>Middle Caney</u>		3. STATE <u>Kansas</u>			
	4. SEC. <u>12</u> TWP. <u>32S</u> RANGE <u>9E</u>		5. NEAREST P.O. <u>Moline, KS</u>		6. COUNTY <u>Chautauqua</u>			
	7. LAT. <u>37° 16' 30"</u> LONG. <u>96° 22' 00"</u>		8. TOP OF DAM ELEVATION <u>1069.9</u>		9. SPILLWAY CREST ELEV. <u>1062.6</u>			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL	<u>1062.6</u>	<u>142.1</u>	<u>1132</u>	<u>1373.6</u>	<u>1/4/65</u>		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION							
	f. CONSERVATION							
g. INACTIVE <u>1/</u>	<u>1048.2</u>	<u>35.2</u>	<u>241.6</u>	<u>241.6</u>		<u>1/4/65</u>		
16. DATE NORMAL OPER. BEGAN								
WATERSHED	17. LENGTH OF RESERVOIR		<u>0.64</u>	MILES	AV. WIDTH OF RESERVOIR		<u>0.35</u>	MILES
	18. TOTAL DRAINAGE AREA		<u>6.23</u>	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		<u>36.1</u>	INCHES
	19. NET SEDIMENT CONTRIBUTING AREA		<u>6.01</u>	SQ. MI.	23. MEAN ANNUAL RUNOFF		<u>6.0</u>	INCHES
	20. LENGTH		<u>4.0</u>	MILES	AV. WIDTH		<u>1.56</u>	MILES
	21. MAX. ELEV.		<u>1200</u>		MIN. ELEV.		<u>1028</u>	
		24. MEAN ANNUAL RUNOFF		<u>1994</u>	AC.-FT.			
		25. ANNUAL TEMP: MEAN		RANGE				
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/I. RATIO, AC.-FT. PER AC.-FT.
	<u>1/65</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>142.1</u>	<u>1373.6</u>	<u>0.69</u>
	<u>6/77</u>	<u>12.5</u>	<u>12.5</u>	<u>Range</u>	<u>18</u>	<u>142.1</u>	<u>1340.6</u>	<u>0.67</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 CAPACITY LOSS, 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	
	<u>6/77</u>	<u>33</u>	<u>2.64</u>	<u>0.44</u>	<u>33</u>	<u>2.64</u>	<u>0.44</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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
<u>6/77</u>	<u>42(5)</u>	<u>402</u>	<u>402</u>	<u>0.19</u>	<u>2.4</u>			

26. DATE OF SURVEY

43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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

1/ Sediment pool.

48. AGENCY MAKING SURVEY      Soil Conservation Service

49. AGENCY SUPPLYING DATA      Soil Conservation Service

50. DATE      12/77