

RESERVOIR SEDIMENT
DATA SUMMARY.

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

Fox Creek MPS #4

NAME OF RESERVOIR

19-59

Burtonville Quadrangle

DATA SHEET NO.

DAM	1. OWNER Fox Creek W/S Cons. Dis		2. STREAM Sand Lick Creek		3. STATE Kentucky			
	4. SEC. TWP. RANGE		5. NEAREST P.O. Flemingsburg		6. COUNTY Fleming			
	7. LAT. 38° 23' 09" LONG. 83° 36' 42"		8. TOP OF DAM ELEVATION 767.4		9. SPILLWAY CREST ELEV. 758.1			
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	758.1	162.2	1775	2298	9/23/68		
	b. MULTIPLE USE	747.0	74.3	523	523			
	c. POWER					16. DATE NORMAL OPER. BEGAN		
	d. WATER SUPPLY							
	e. IRRIGATION							
	f. CONSERVATION							
	g. INACTIVE							
17. LENGTH OF RESERVOIR 1.76 MILES		AV. WIDTH OF RESERVOIR 0.14 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 7.31 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 42 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 7.06 SQ. MI.		23. MEAN ANNUAL RUNOFF 15.834 INCHES					
	20. LENGTH 3.77 MILES	AV. WIDTH 1.94 MILES	24. MEAN ANNUAL RUNOFF 6172.76 AC.-FT.					
	21. MAX. ELEV. 1222.0		MIN. ELEV. 747.0		25. ANNUAL TEMP: MEAN 53.6° RANGE 100°-0°-F			
	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	
9/23/68	-	-	-	-	162.2	2298^{2/}		
2/27/75	6.5	6.5	Range (D)	15	74.3	523^{1/}		
					74.3	507^{1/}		
SURVEY DATA	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	
	2/27/75	16^{1/}	2.46^{1/}	0.34	16^{1/}	2.46^{1/}	0.34^{1/}	
	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
	2/27/75	60.	417.3	417.3	0.47^{1/}	0.70^{2/}	3.06	

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															
<p>1/ Recreation pool 2/ Floodwater pool</p> <p>Land use in watershed: 15% cropland; 23% grassland; 60% woodland; 2% misc. Major soil types: BEASLEY (K factor .43); OTWAY (K factor .49); BERKS (K factor .24).</p>															
48. AGENCY MAKING SURVEY															
49. AGENCY SUPPLYING DATA USDA-SCS Lexington, Kentucky															
50. DATE February 1975															