

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

N
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

A Strip Mine Lake

NAME OF RESERVOIR

19-55

DATA SHEET NO.

DAM	1. OWNER Unknown			2. STREAM Clear Ck. D. A.			3. STATE Kentucky							
	4. U.S.C. & G.S. Grid. Coord.			5. NEAREST P.O. Richland			6. COUNTY Hopkins							
	7. 1,463,000 354,500			8. TOP OF DAM ELEVATION			9. SPILLWAY CREST ELEV.							
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										1947			
	b. MULTIPLE USE													
	c. POWER													
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION													
	f. CONSERVATION													
g. INACTIVE		390*		3*		53.02		53.02						
WATERSHED	17. LENGTH OF RESERVOIR (1000ft)				.189 MILES		AV. WIDTH OF RESERVOIR (125 ft)				0.024 MILES			
	18. TOTAL DRAINAGE AREA (6 ac)				.009 SQ. MI.		22. MEAN ANNUAL PRECIPITATION				40-50 INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA (6 ac)				.009 SQ. MI.		23. MEAN ANNUAL RUNOFF				30 INCHES			
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				14.4 AC.-FT.	
	21. MAX. ELEV.			MIN. ELEV.			25. ANNUAL TEMP: MEAN RANGE						July 80° Jan. 38° -20 to +100	
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.	
	1947		-	-					3+		53		3.68	
	11/14/67		20	20	Range (R)		8		3		49.3		3.42	
	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	
	11/14/67		3.70		.185		20.56		3.70		.185		20.56	
	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		
11/14/67		80*		35,824		35,824		.35		6.98				

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
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

This is a 20-year-old strip mine lake within the Clear Creek Watershed, Hopkins County, Kentucky. The drainage area consists of 6 acres of strip mine spoil. The surface of the lake measures 3 acres.

*Estimate

48. AGENCY MAKING SURVEY Kentucky Watershed Planning Party, SCS
 49. AGENCY SUPPLYING DATA SCS, USDA
 50. DATE 11/30/67