

RESERVOIR SEDIMENTATION
DATA SUMMARY

Herrington Lake

NAME OF RESERVOIR

19 - 9

DATA SHEET NO.

DAM	1. OWNER Kentucky Utilities Co.			2. RIVER Dix River			3. STATE Kentucky					
	4. SEC. TWP. RANGE			5. NEAREST TOWN Harrodsburg			6. COUNTY Boyle					
	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								Oct. 1925			
	b. POWER		3,600		258,949		258,949					
	c. WATER SUPPLY								16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION											
	e. CONSERVATION											
	f. INACTIVE											
17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES		
WATERSHED	18. TOTAL DRAINAGE AREA			437		SQ. MI.		22. MEAN ANNUAL PRECIPITATION			INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			431		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					Humid
	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.	
Oct. 1925	-	-	-	-		3,600		258,949		593		
Oct. 1941	16	16	Range recon.	34		3,600		255,706		585		
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		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				
Oct. 1941	3,243	203	0.471	3,243		203		0.471				
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			
Oct. 1941					0.08		1.25					

B 13

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

Region 2, Soil Conservation Service
U. S. Dept. of Agriculture

48. AGENCY SUPPLYING DATA Spartanburg, South Carolina 49. DATE October 1950