

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Lake Coulterville

24-36
 DATA SHEET NO.

NAME OF RESERVOIR

DAM	1. OWNER City of Coulterville		2. RIVER South Fork Mud Cr		3. STATE Illinois			
	4. LONG. 11 LAT. 48 RANGE 5W		5. NEAREST TOWN Coulterville		6. COUNTY Randolph			
	7. STREAM BED ELEV. 497		8. TOP OF DAM ELEV. 518		9. SPILLWAY CREST ELEV. 514			
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					1940		
	b. POWER							
	c. WATER SUPPLY	514	27	200	200	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
17. LENGTH OF RESERVOIR .420		MILES		AV. WIDTH OF RESERVOIR .0476		FEET		
WATERSHED	18. TOTAL DRAINAGE AREA 1.22		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 40		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA 1.18		SQ. MI.		23. MEAN ANNUAL RUNOFF 11.5		INCHES	
	20. LENGTH 1.50		MILES		AV. WIDTH .787		MILES	
	24. MEAN ANNUAL RUNOFF 723.7						AG.-FT.	
	21. MAX. ELEV. 560		MIN. ELEV. 500		25. CLIMATIC CLASSIFICATION Humid			
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.
	1940	-	-	-	-	-	200	164
	Aug. 1954	14	14	DR	10	27	188	154
	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 SEDIMENT DEPOSITS 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	
	Aug. 1954	12	.86	.73	12	.86	.73	
	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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
Aug. 1954	34.0 (7)	541	541	.43	6.00			

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														
1954	17.0	17.0	9.5	9.0	7.5	10.0	9.0	7.0	7.0	7.0					

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
514	27	65	504	8.5	11.5			
512	20.8	47	502	6.2	6.3			
510	17.1	35.5	500	3.4	3.0			
508	15.0	26.0	499	2.2	2.4			
506	11.5	17.3						

47. REMARKS AND REFERENCES