

U.S. DEPARTMENT OF AGRICULTURE
**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Raccoon Lake
 NAME OF RESERVOIR

SOIL CONSERVATION SERVICE
 24-46
 DATA SHEET NO.

DAM	1. OWNER City of Centralia		2. RIVER Raccoon Cr.		3. STATE Illinois			
	4. SEC. 1 TWP. 1N RANGE 1E		5. NEAREST TOWN Centralia		6. COUNTY Marion			
	7. STREAM BED ELEV. 452'		8. TOP OF DAM ELEV. 483'		9. SPILLWAY CREST ELEV. 478'			
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					1943		
	b. POWER							
	c. WATER SUPPLY	478'	707.06	4496.32	4496.32	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
f. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR 2.27 MILES		AV. WIDTH OF RESERVOIR 0.487 MILES					
	18. TOTAL DRAINAGE AREA 48.4 SQ. MI.		22. MEAN ANNUAL PRECIPITATION (45) 40 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 47.3 SQ. MI.		23. MEAN ANNUAL RUNOFF (20-40) 11.5 INCHES					
	20. LENGTH 14.36 MILES		AV. WIDTH 3.37 MILES		24. MEAN ANNUAL RUNOFF 29672.8 AC.-FT.			
	21. MAX. ELEV. 645'		MIN. ELEV. 452'		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
1943 Sept. 1959		= 16	-- 16	-- DR	-- 23	707.06 707.06	4496.3 4143.6	92.9 85.6
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	
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	
Sept. 1959	39.7 (24)	406	406	0.49	7.84	--	--	

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
	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

48. AGENCY SUPPLYING DATA

49. DATE _____