

RESERVOIR SEDIMENTATION
DATA SUMMARY

Craig & Davidson's Lake

17-9

Unnamed Tributary to

DATA SHEET NO.

DAM	1. OWNER Messrs. Craig & Davidson		2. OWNER Raccoon Creek		3. STATE Illinois			
	4. SEC. 8 TWP. 9N RANGE 12W		5. NEAREST TOWN Martinsville		6. COUNTY Clark			
	7. STREAM BED ELEV. 560'*		8. TOP OF DAM ELEV. 584'*		9. SPILLWAY CREST ELEV. 579'*			
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					1947		
	b. POWER							
	c. WATER SUPPLY	57.9'	24.46	187.75	187.75	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 1.02		MILES		AV. WIDTH OF RESERVOIR 0.037			
	18. TOTAL DRAINAGE AREA 0.465		SQ. MI.		22. MEAN ANNUAL PRECIPITATION (45) 39.5			
	19. NET SEDIMENT CONTRIBUTING AREA 0.427		SQ. MI.		23. MEAN ANNUAL RUNOFF (20-40) 12			
	20. LENGTH 0.891		MILES		AV. WIDTH 0.522			
	21. MAX. ELEV. 615'		MIN. ELEV. 560'		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.
	June 1947 1959	12	12	DR	27	24.46 24.46	187.75 175.18	403.8 376.7
	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	
	June 1959	12.57	1.05	2.46	12.57	1.05	2.46	
	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
	June 1959	33.14 (14)	1775.6	1775.6	0.6	6.7		

* Assumed

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

48. AGENCY SUPPLYING DATA Illinois State Water Survey 49. DATE Sept. 29, 1961