

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Lake Miller

16-14a

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Mt. Vernon			2. RIVER Casey Fork			3. STATE Illinois									
	4. LONG. 32 LAT. 1S RANGE 3E			5. NEAREST TOWN Mt. Vernon			6. COUNTY Jefferson									
	7. STREAM BED ELEV. 576			8. TOP OF DAM ELEV. 520			9. SPILLWAY CREST ELEV. 510									
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										Feb. 1944					
	b. POWER															
	c. WATER SUPPLY		510		142		1746		1746		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 1.62			MILES			AV. WIDTH OF RESERVOIR 142			FEET						
	18. TOTAL DRAINAGE AREA 4.65			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 41			INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 4.43			SQ. MI.			23. MEAN ANNUAL RUNOFF 11.5			INCHES						
	20. LENGTH 3.5			MILES			AV. WIDTH 1.26			MILES						
	21. MAX. ELEV. 610			MIN. ELEV. 476			24. MEAN ANNUAL RUNOFF 2850			AC.-FT.						
						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.	
	Feb. 1944		-		-		-		-		142		1746		375	
	June 1960		16.3		16.3		D.R.		16		142		1659		356	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE-FEET				36. WATER INFL. TO DATE AQ.-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			
	June 1960		87		5.33		1.20		87		5.33		1.20			
	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 1960		34.0 (16)		888		888		0.31		5.02						

25. 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 12 Oct. 1961