

RESERVOIR SEDIMENTATION
DATA SUMMARY

Marion Reservoir

NAME OF RESERVOIR

16-18

DATA SHEET NO.

B17

DAM	1. OWNER City of Marion			2. RIVER Limb Branch			3. STATE Illinois			
	4. SEC. 2 TWP. T-10-S RANGE R 2 E			5. NEAREST TOWN Marion			6. COUNTY Williamson			
	7. STREAM BED ELEV. 361			8. TOP OF DAM ELEV. 443			9. SPILLWAY CREST ELEV. 443			
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					1921				
	b. POWER									
	c. WATER SUPPLY	443	1100	705	705	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE					1921				
17. LENGTH OF RESERVOIR 3/4 MILES			AV. WIDTH OF RESERVOIR .249 MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 6.5 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 42 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 6.31 SQ. MI.			23. MEAN ANNUAL RUNOFF 12.09 INCHES						
	20. LENGTH 4.5 MILES		AV. WIDTH 1.4 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.					
	21. MAX. ELEV. 529		MIN. ELEV. 361		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.		
	1921	-	-	-	-	110	705	108		
	July 1951	30	30	Recon.	4	110	590	91		
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-FT.				
			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	d. MEAN ANNUAL	e. TOTAL TO DATE			
	July 1954	42	-	-	-	-	-			
	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			
	July 1951	115	3.83	0.61	115	3.83	0.61			
	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			
July 1951	34.5	458	458	0.54	16.3	-	-			

RESERVOIR SEDIMENTATION
DATA SUMMARY

Little Grassy Lake
NAME OF RESERVOIR

16 - 19
DATA SHEET NO.

DAM	1. OWNER U.S.D.I., F. and W.I. Ser.		2. RIVER Little Grassy		3. STATE Illinois			
	4. SEC. 18 TWP. T-10-S RANGE R.I.E.		5. NEAREST TOWN Carbondale		6. COUNTY Williamson			
	7. STREAM BED ELEV. 460		8. TOP OF DAM ELEV. 510		9. SPILLWAY CREST ELEV. 500			
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					March 1942		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION	715	1000	25740.6	25740.6	March 1942		
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 4 MILES		AV. WIDTH OF RESERVOIR 0.39 MILES					
	18. TOTAL DRAINAGE AREA 15.7 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 42 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 14.2 SQ. MI.		23. MEAN ANNUAL RUNOFF 12.09 INCHES					
	20. LENGTH 6 MILES		AV. WIDTH 2.33 MILES		24. MEAN ANNUAL RUNOFF AC.- FT.			
	21. MAX. ELEV. 820		MIN. ELEV. 460		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.
	March 1942	-	-	-	-	1000	25,741	1640
	July 1951	9.3	9.3	Recon.	7	1000	25,365	1616
	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		
	July 1951	42	-	-	-	-		
	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	
	July 1951	375.6	40.4	2.85	375.6	40.4	2.85	
	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	
July 1951	38.7	2,402	2,402	0.16	1.46	-	-	