

RESERVOIR SEDIMENTATION
DATA SUMMARY

Flucks Lake

NAME OF RESERVOIR

16-15

DATA SHEET NO.

B:7

DAM	1. OWNER Adolph Fluck			2. RIVER			3. STATE Illinois			
	4. SEC. 22 TWP. 9S RANGE 2E			5. NEAREST TOWN Marion			6. COUNTY Williamson			
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.			
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					1919				
	b. POWER									
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION		15	58.1	58.1m	1919				
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR			MILES		
	18. TOTAL DRAINAGE AREA			0.339	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			44	INCHES
	19. NET SEDIMENT CONTRIBUTING AREA			0.316	SQ. MI.	23. MEAN ANNUAL RUNOFF			12.10	INCHES
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF			AC-FT.
	21. MAX. ELEV.		MIN. ELEV.		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.		
	1919	-	-	-	-	15	58.1	171		
	1951	32	32	Recon.		15	46.8	138		
	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			
	1951	11.3	0.35	1.11	11.3	0.35	1.11			
	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			
1951	56.6	1,368	1,368	0.60	19.4	-	-			

RESERVOIR SEDIMENTATION
DATA SUMMARY

Baker's Lake

NAME OF RESERVOIR

16 - 16

DATA SHEET NO.

B 19

DAM	1. OWNER <u>Mr Baker</u>			2. RIVER <u>-</u>			3. STATE <u>Illinois</u>		
	4. SEC. <u>14</u> TWP. <u>T 10</u> RANGE <u>R 2</u> E			5. NEAREST TOWN <u>Marion</u>			6. COUNTY <u>Williamson</u>		
	7. STREAM BED ELEV. <u>440</u>			8. TOP OF DAM ELEV. <u>480</u>			9. SPILLWAY CREST ELEV. <u>480</u>		
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					1937			
	b. POWER								
	c. WATER SUPPLY	<u>480</u>	<u>6.3</u>	<u>24.0</u>	<u>24.0</u>	16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE					1937			
17. LENGTH OF RESERVOIR <u>.25</u> MILES			AV. WIDTH OF RESERVOIR <u>.004</u> MILES						
WATERSHED	18. TOTAL DRAINAGE AREA <u>0.26</u> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <u>42</u> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.25</u> SQ. MI.			23. MEAN ANNUAL RUNOFF <u>12.09</u> INCHES					
	20. LENGTH <u>.5</u> MILES		AV. WIDTH <u>.5</u> MILES		24. MEAN ANNUAL RUNOFF				AC.-FT.
	21. MAX. ELEV. <u>520</u>		MIN. ELEV. <u>440</u>		25. CLIMATIC CLASSIFICATION <u>Humid</u>				
	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.	
1937	-	-	-	-	6.3	24.0	92		
Aug. 1951	14	14	Recon.		6.3	21.7	84		
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	a. MEAN ANNUAL	b. TOTAL TO DATE		
	Aug. 1951	42	-	-	-	-	-		
SURVEY DATA	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. 1951	2.3	0.16	0.64	2.3	0.16	0.64			
SURVEY DATA	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. 1951	36.8	512.0	512.0	0.67	9.58	-	-		