

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Olney Reservoir (New)

17-14a

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Olney				2. RIVER Unnamed Trib. to		3. STATE Illinois									
	4. LONG. 23		LAT. LN		RANGE 10E		5. NEAREST TOWN Olney East Fk.									
	6. COUNTY Richland		7. STREAM BED ELEV. 445'*		8. TOP OF DAM ELEV. 478'*		9. SPILLWAY CREST ELEV. 473'*									
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE- FEET									
	a. FLOOD CONTROL															
	b. POWER															
	c. WATER SUPPLY		473'*		137.4		1555.3									
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE															
14. ACCUMULATED ACRE- FEET						1555.3										
15. DATE STORAGE BEGAN						Sept. 1954										
16. DATE NORMAL OPER. BEGAN																
17. LENGTH OF RESERVOIR 2.1				MILES				AV. WIDTH OF RESERVOIR .102				FEET				
18. TOTAL DRAINAGE AREA 3.36				SQ. MI.				22. MEAN ANNUAL PRECIPITATION (45)				41 INCHES				
19. NET SEDIMENT CONTRIBUTING AREA 3.15				SQ. MI.				23. MEAN ANNUAL RUNOFF (20-40)				12 INCHES				
20. LENGTH 4.41				MILES				AV. WIDTH 0.78				MILES				
24. MEAN ANNUAL RUNOFF 2150.4				AC-FT.				25. CLIMATIC CLASSIFICATION Humid								
21. MAX. ELEV. 555'*				MIN. ELEV. 445'*												
WATERSHED	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.	
	Sept. 1954		-		-		DR		-		137.4		1555.3		400	
	Aug. 1960		6.9		6.9				9		137.4		1517.4		452	
	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			
	Aug. 1960		37.9		5.5		1.70		37.9		5.5		1.70			
	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. 1960		30.3		1460		1460		.41		2.43		---				

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