

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Valier Outing Club

NAME OF RESERVOIR

16-28

DATA SHEET NO.

DAM	1. OWNER Valier Outing Club			2. RIVER Andy Creek		3. STATE Illinois		
	4. SEC. 36 TWP. 5S RANGE 1E			5. NEAREST TOWN Valier		6. COUNTY Franklin		
	7. STREAM BED ELEV. 428			8. TOP OF DAM ELEV. 447		9. SPILLWAY CREST ELEV. 442		
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					1922		
	b. POWER							
	c. WATER SUPPLY	442'	67	369	369	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 0.977 MILES			15. AV. WIDTH OF RESERVOIR 0.107 MILES				
	18. TOTAL DRAINAGE AREA 2.47 SQ. MI.			22. MEAN ANNUAL PRECIPITATION (45) 42 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 2.37 SQ. MI.			23. MEAN ANNUAL RUNOFF (20-40) 13.5 INCHES				
	20. LENGTH 2.08 MILES		AV. WIDTH 1.19 MILES		24. MEAN ANNUAL RUNOFF 1777.5 AC.-FT.			
	21. MAX. ELEV. 490'		MIN. ELEV. 428'		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.
	1922	-	-	-	-	67	369	149.4
	Aug. 1957	35	35	D.R.	7	67	320	129.6
	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	
	Aug. 1957	49	1.40	0.59	49	1.40	0.59	
	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. 1957	41.17 (8)	530	530	.38	13.32			

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