

RESERVOIR SEDIMENT DATA SUMMARY
JERSEY VALLEY LAKE

(West Fork Kickapoo Watershed Site #1)
NAME OF RESERVOIR

27 - 18

DATA SHEET NO.

DAM	1. OWNER State of WI Cons. Comm.		2. STREAM W. Fork Kickapoo		3. STATE Wisconsin			
	4. SEC. 13 TWP. 14N RANGE 4W		5. NEAREST P.O. Westby, WI 5 SW		6. COUNTY Vernon			
	7. LAT. 43° 41' 20" LONG. 90° 47' 51"		8. TOP OF DAM ELEVATION 1099.0		9. SPILLWAY CREST ELEV. 1089.0			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL	1089.0	79.2	838	1618	8/69		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION 1/	1076.5	53.5	581	780	8/69		
g. INACTIVE	1061.5	25.9	199	199				
WATERSHED	17. LENGTH OF RESERVOIR 0.93 ^{2/} MILES		AV. WIDTH OF RESERVOIR 0.13 MILES					
	18. TOTAL DRAINAGE AREA 8.06 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 32.0 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 7.94 SQ. MI.		23. MEAN ANNUAL RUNOFF 8.0 INCHES					
	20. LENGTH 4.83 MILES	AV. WIDTH 1.67 MILES	24. MEAN ANNUAL RUNOFF 3440 AC.-FT.					
	21. MAX. ELEV. 1385.0		MIN. ELEV. 1039.0		25. ANNUAL TEMP: MEAN 46°F RANGE 16° - 73°F			
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/I. RATIO, AC.-FT. PER AC.-FT.
	8/69	0	0	-	-	79.2	1618	0.47
	3/8/77	7.6	7.6	Range (D)	14	79.2	1592.11	0.46
	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	
	3/8/77	32"	3440 ^{3/}	-	26,100 ^{3/}	3440 ^{4/}	26,100 ^{3/}	
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, 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	
	3/8/77	25.9	3.41	0.43	25.9	3.41	0.43	
	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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
3/8/77	61.3 (10)	573	573	0.21	1.60	977	977	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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															
<p>1/ Recreation and Fish & Wildlife</p> <p>2/ 0.93 mile is length of flood control pool. EL 1089. 0.68 mile is length of conservation pool. EL 1076.5.</p> <p>3/ Based on average annual data.</p> <p>1. Land use in watershed Feb. 1961: 63.3% cropland, 22.9% grassland, 9.2% woodland, 4.6% other — in 1977: 61% cropland, 21% grassland, 12% woodland and 6% other (includes Jersey Valley Lake).</p> <p>2. Watershed Geology - 10% Upper Cambrian Franconia, St. Lawrence and Jordan formations (Lower Main Valley) and 90% Lower Ordovician, Prairie du Chien Group - Oneota & Shakopee formations mainly dolomite.</p>															
48. AGENCY MAKING SURVEY USDA-SCS, Wis. RB-WS Staff															
49. AGENCY SUPPLYING DATA USDA-SCS															
50. DATE 3/78 (Rev.)															