

RESERVOIR SEDIMENT DATA SUMMARY

Kewaunee Nuclear Plant Pond

23 - 2

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Wis. Pub. Service Comm.		2. STREAM Unnamed Trib to L. Mich		3. STATE Wisconsin			
	4. SEC. 25 TWP. 22N RANGE 24E		5. NEAREST P.O. Kewaunee, WI		6. COUNTY Kewaunee			
	7. LAT. 44° 20' 45" LONG. 87° 32' 9"		8. TOP OF DAM ELEVATION 601 MSL		9. SPILLWAY CREST ELEV. 598 MSL			
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	598	1.71	3.79	7.64	8/74		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION							
	f. CONSERVATION							
	g. INACTIVE 1/	595	0.75	3.85	3.85	8/74		
WATERSHED	17. LENGTH OF RESERVOIR 0.12 MILES		AV. WIDTH OF RESERVOIR 0.02 MILES					
	18. TOTAL DRAINAGE AREA 0.65 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 28 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.65 SQ. MI.		23. MEAN ANNUAL RUNOFF 8 INCHES					
	20. LENGTH 1.6 MILES AV. WIDTH 0.41 MILES		24. MEAN ANNUAL RUNOFF 277 AC.-FT.					
	21. MAX. ELEV. 726 MIN. ELEV. 582		25. ANNUAL TEMP: MEAN 45°F RANGE AV Ann 20°-70°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.
	8/74	-	-	-	-	1.71	7.64	.028
	10/76	2.25	2.25	Range (D)	10	1.71	7.30	.026
	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 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	
	10/76	0.34	0.15	0.23	0.34	0.15	0.23	
	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		
10/76	55.7(3)	283	283	1.98	4.45			

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

1/ Sediment pool.

48. AGENCY MAKING SURVEY USDA, SCS, Wisc. RB-WS Staff
 49. AGENCY SUPPLYING DATA USDA, SCS
 50. DATE 3/78