27-4

ESERVOIR SEDIMENTATION Prairie du Sac DATA SUMMARY DATA SHEET NO. NAME OF RESERVOIR 1. OWNER Wis. Power & Light Co. 2. RIVER Wisconsin Wisconsin. 3. STATE 25 TWP. 10 RANGE 5. NEAREST TOWN Prairie du Sac 6. COUNTY Sauk 780.0 9. SPILLWAY CREST ELEV. 774.0 736.0 7. STREAM BED ELEV. 8. TOP OF DAM ELEV. 13. 15 DATE STORAG **ELEVATION** SURFACE STORAGE **ACCUMULATED** STORAGE ALLOCATION TOP OF POOL AREA ACRES ACRE-FEET ACRE-FEET BEGAN a. FLOOD CONTROL b. POWER 100,000 7.7h..0 100,000 C. WATER SUPPLY 16 DATE NORMAL OPER. BEGAN d. IRRIGATION e. CONSERVATION 191h f. INACTIVE MILESIAV. WIDTH OF RESERVOIR MILES 17. LENGTH OF RESERVOIR 21 8,900 31.25 INCHES 18. TOTAL DRAINAGE AREA SQ.MI. 22. MEAN ANNUAL PRECIPITATION 11.70 T33) 19. NET SEDIMENT CONTRIBUTING AREA 600 2 SO.MI. MEAN ANNUAL RUNOFF INCHES 7670 (33) 30 AC.-FT. 20. LENGTH MILESIAV. WIDTH MILES 24. MEAN ANNUAL RUNOFF 25. CLIMATIC CLASSIFICATION 21. MAX. ELEV. MIN. ELEV. 736 825 Humid 29 TYPE OF 33. C/W RATIO 27. PERIOD 28. ACCL. 26. 30 NO OF RANGES 31. SURFACE CAPACITY ACRE-FEET AC-FT. PER SOML SURVEY SURVEY OR CONTOUR INT. AREA ACRES YEARS **YEARS** Range & 1914 19 Detailed 15. 100,000 19 1933 4/ Range & 91,851 140 Detailed PERIOD 36. WATER INFL. TO DATE AC.-FT PERIOD WATER INFLOW ACRE-FEET DATE OF ANNUAL PRECIPITATION & MEAN ANNUAL | b. MAX. ANNUAL | c. PERIOD TOTAL & MEAN ANNUAL | b. TOTAL TO DATE SURVEY 30.57 5/ 15,250 289,750 1933 15,250 123,350 289,750 DATA PERIOD SEDIMENT DEPOSITS ACRE-FEET TOTAL SED. DEPOSITS TO DATE ACRE-FEET 26. DATE OF c. PER SQ.MI.-YR a. TOTAL TO DATE b. AV. ANNUAL C.P.ER SQ.MI_YR. A. PERIOD TOTAL b. AV. ANNUAL 8,150 8,150 **L**129 **F**59 0.717 0.717 1933 42. 40. SED. DEP. TONS PER SO.MI-YR. 41. STORAGE LOSS PCT. 26. 39 AV. DRY WGT. INFLOW DATE OF LBS. PER CU.FT. a. SURVEY . PERIOD PERIOD b. TOTAL TO DATE a.AV. ANNUAL b. TO DATE b. TÓ DATE 1933 40,500 90* 40.500 1月00 1700 .129 8.15

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			e Baraboo River leaving an uncontrolled drainage area at Prairie du Sac about 600 square miles. Therefore it appears that all drainage from																		
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47. REMARKS AND REFERENCES

Data were taken from House Document No. 259, 71st Congress, 2nd Session and from a report on Silting of Reservoirs, Mississippi River above Misconsin River by the Corps of Engineers, St. Paul District Office, 9 May 1935. (Unpublished).

48. AGENCY SUPPLYING DATA Department of the Army Corps of Engineers, St. Paul District

49. DATE 25 Jan 1951