SOIL CONSERVATION SERVICE

RESERVOIR SEDIMENTATION Mortenson DATA SUMMARY MAR

NAME OF RESERVOIR

DATA SHEET NO.

_	I OWNER MOT	· · · · · · · · · · · · · · · · · · ·	DATA SHEET NO.											
DAM	4	son			2. RIVER 5. NEAREST TOWN Cherokee				3. STATE TOWA					
				E 40W	S. NE	AREST TOW	N Che	rokee	6 COUNTY Cherokee					
 - -	7-STREAM BED ELEV.					OF DAM E	LEV.		9. SPILLW	AY CREST	ELEV1,282.0			
ERVOIR	STORAGE ALLOCATION		II. ELEVATION 12.		ŞU	SURFACE AREA ACRES		STORAGE CRE – FEET		ULATED -FEET	DATE STORAGE BEGAN			
	b. POWER		1,295.0		19.1		165.1		229.0)	Oct.1949			
≨ا	C. WATER SUPPLY	. 1									16			
S	d IRRIGATION										DATE NORMAL OPER. BEGAN			
2	e. CONSERVATION		1,282.0		7.6			63.4	63.4		0-+ 30/0			
İ	f. INACTIVE										Oct.1949			
	17. LENGTH OF RE	SERV	OIR			MILES	AV, WI	RVOIR MILE						
	18. TOTAL DRAINAG	REA	1.39				AN ANNUAL P							
SHED	19. NET SEDIMENT	EA 1.37	,				UNOFF 4.3 est. INCHES							
2	20. LENGTH	V. WIDTH		MILES	24. ME	AN ANNUAL F								
WATER	21. MAX. ELEV.			IN, ELEV.					CLASSIFICATION ACFT.					
┝	26. DATE OF	27.				30.								
	SURVEY	YE	EARS YEARS SUI		TYPE OF	E OF 30. NO. OF RA		SURFACÈ AREA ACR	ES ACRE	ACITY -FEET	AG-FT, PER SQ.MI			
	Oct. 12,1950	0 -		- Detailed		d 34 ra	anges 7.6		229	•0	165			
	26.	34.		35. pr						`	·			
	DATE OF P		PERIOD ANNUAL FERT					ACRE-FEE			TO DATE AC-FT.			
	SONVE! P		MEAN AN		NUAL b. MAX. ANI		NUAL C. PERIOD TOT		TAL " MEAN	ANNUAL	b. TOTAL TO DATE			
ATA														
	26. DATE OF	37.	PERIOD SEI	DIMENT D	FPOSI	TS ACRE-	EEET	36. TOTAL C	ED DEBOSIA	DEPOSITS TO DATE AC				
드	SURVEY	a. PF	RION TOTAL	AV. ANNUAL C. PER SQ.ML			-VEAR	a. TOTAL TO D	ATE D. AU AL	IS IO DA	C.S.S. CO			
SURV								TOTAL TO SI	77. 21	NIGAL	PER SUMI-TEAR			
	26. DATE OF	39.	, DRY WGT.	⁴⁰ .SED.DE	DEP. TONS PER SO		I-YR	4I.STORAGE	LOSS BCT	42.550	INELOW OOM			
	SURVEY	LBS		a. PERIO		b. TOTAL TO		a.AV. ANNUAL						
	·									CERT	. IOTHOURIE			
						i			<u> </u>	<u> </u>				

26.	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION														
DATE OF				ľ				T	·····		, , ,				
SURVEY			PERC	ENT (OF TOT	AL SE	IMEN.	r Loc	ATED	WITHIN	DEPTH	DESIG	NATIO	N	
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DATE OF										IGINAL I					
SURVEY	0-10		 	L		I			<u></u> ,	00 - 00	<u> </u>	-110	-115		-125
	Ļ,	P	ERCE	NT OF	TOTA	L SEDI	MENT	LOCA	TED	WITHIN	REACH	DESIG	OITAN	N	
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45.				R/	ANGE I	N RESE	RVOIR	OPE	RATIO	ON	<u>. </u>	1			
WATER YEAR	MAX.	ELEV.	MiN	. ELEV.					····			MIN. ELEV. INFLOW AC-FT.			
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ELEVATION	AREA CAPACITY		PACITY	ELI	EVATION	AR	AREA		ACITY	ELEVATION		AREA		CAPACITY	
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47. REMARKS	AND RE	FEREN	CES							 					
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(1) Below crest. Original capacity inflow ratio estimated to be 0.199. Tral efficiency estimated to be 93%.

Survey was also made in 1949 after construction, but was not used, as rocks and debris were dumped into the reservoir after this survey, but before the 1950 survey.

In Little Sio x Watershed.

48. AGENCY SUPPLYING DATA SCS,

SCS, Milwaukee, Wis.

49. DATE July 9, 1952