SOIL CONSERVATION SERVICE

RESERVOIR SEDIMENTATION DATA SUMMARY

Spring Mill

17-4 DATA SHEET NO.

	DATA SUMM													
	·ownerState(tion				l Cre	eek itchell	3. STATE		Lana			
۲Ľ	4. SEC. 33 TWF	1	5. NEA	REST TOW	6. COUNTY Lawrence									
	^{7.} STREAM BED ELE		8. TOP OF DAM ELEV					9. SPILLWAY CREST ELEV. 603						
	IÓ. STORAGE ALLOCATION	II. ELEVAT				FACE ACRES		STORAGE CRE - FEET	ACCUMULATED ACRE-FEET		DATE STORAGE BEGAN			
SERVOIR	^{d.} FLOOD CONTROI ^{b.} POWER										October 1938			
	C. WATER SUPPLY			- "							16. DATE NORMAL			
	d. IRRIGATION							=			OPER. BEGAN			
쀭	e. CONSERVATION		503		28	•0		178	178		October			
- 1	f. INACTIVE							-			1938			
	17. LENGTH OF RES	ERVOIR				MILES	AV, WIE	TH OF RESER		MILES				
	IS. TOTAL DRAINAGE	AREA	3		SQ. MI.	22. ME	AN ANNUAL PE	44	(27) INCHES					
ERSHED	19. NET SEDIMENT CONTRIBUTING ARE				5.29	5Q. MI.	23. ME	AN ANNUAL R		INCHES				
띩	20. LENGTH MILES A				Н	MILES	24. MEAN ANNUAL RUNOFF ACF							
¥ K	^{21.} MAX. ELEV.	IN. ELE	V.		25. CL1	MATIC CLASSI	FICATION	Humid						
\rightarrow	25. DATE OF	27. PERIOD	28. AC	CL. 29. TYPE OF		1			32. CAPA	CITY	33. C/W RATIO			
	SURVEY	YEARS YEA			SURVEY	OR CONTO	JR INT. AREA ACRES			FEET	AC-FT, PER SQ.MI.			
İ	October 193	· _			_	_		28.0	178		11.8			
ĺ	County 1976	1936 -		-				~∪•∪	1	J	atrate #C			
	Sept.2,1948	9.9	9.9 9.9		Range	1 6	25.2		12	7	8.4			
	-	-			Recon.									
		DATE OF PERIOD ANNUAL		35. F	ERIOD W	ATER IN	LOW	ACRE-FEE	T 36. WATE	R INFL	TO DATE AG-FT.			
	SURVEY	PRECIPITA			ANNUAL	b. MAX. AN	NUAL	C. PERIOD TOT	AL a. MEAN	ANNUAL	b. TOTAL TO DATE			
İ														
DATA					ŀ									
	26. DATE OF	37. PFR16	DD SE	DIMEN	T DEPOSI	TS ACRE-	-FEFT	38. TOTAL SE	D. DEPOSIT	S TO DA	TE ACRE-FEET			
ايخ	DATE OF SURVEY	a. PERIOD	TOTAL	b. ΔV.	ANNUAL	C.PER SQ.N	IIYEAR	a. TOTAL TO DA	TE b. AV. AN	NUAL	C.PER SQ.MI-YEAR			
SURVEY		7 2 1 3 1 3 1 3 1 3												
ઝ	Sept.2,1948	51.1		-	5.1.6	0.9		51.1 (51.9)	5.	16	0.975			
		(51.9)			5.24)	(0.9	991)	(51.9)	(5.	24)	(0.991)			
ŀ	26.	40.cen	DED TON	S PER SO	#I _ V P	41.STOPAGE	INSS BOT	42 SED	INFLOW PPM					
	DATE OF SURVEY	AV. DRY WGT.			ERIOD	S PER SQ.MIYR		O.AV. ANNUAL			Ti.			
}		200,121				- TOTAL TO DATE		AT. BATTORE	TOIL TO DATE	i. E.K.II	101.10 DATE			
	Sept.2,1948	948 67 *		٦ ا	420	1,42	20	2.90	20 77		1			
	nehoever 1240			<u></u> ,	420	<i>مبد</i> و ــ	.0	2.70	28.7					
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26.	43.	DE	PTH DE	SIGN	ATION	RANG	IN F	ETA	BOVE	,AND BE	LOW, CF	REST EL	EVATIO	N	
DATE OF SURVEY					Ī										
SURVET		Þ	ERCEN	IT OF	TOT	AL SED	IMEN"	LOC	ATED	WITHIN	DEPTH	DESIGN	ATION		
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DATE OF	0-10 1									0 90-100		-110		-120	-125
SURVEY									1			DESIGN	ATION	!	
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WATER YEA	R MAX. E	RANGE IN RESERVOIR OPERATION MAX. ELEV. MIN. ELEV. INFLOW ACFT. WATER YEAR MAX. ELEV. MIN. ELEV. INFLOW ACFT.													
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ELEVATION	AREA	CARA				VATION -ARE						AREA	一 ,	CAPACITY	
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47. REMARKS AND REFERENCES

Brune, G. M. Reservoir sedimentation in Limestone Sinkhole Terrain, Agricultural Engineering, 30(2):73-77, February 1949

This reservoir drains limestone sinkhole terrain. The non-contributing drainage area is chiefly closed, or plugged sinkholes. The lower figure in Item 37c for the entire drainage area exclusive of the lake area is 0.35.

Sediment is mostly silt, with some clays in lower part of lake.

48. AGENCY SUPPLYING DATARegion 3, Soil Conservation Service 49. DATE Jamary 10, 1950