RESERVOIR SEDIMENTATION DATA SUMMARY

Thornton Lake

52-13 DATA SHEET NO.

	DATA SUMM	ART			:=:					·····	JATA SHEET NO.			
_	LOWNER W. M.		2. RIVI	ULUB	lo C	reek	3. STATE Texas							
DAM					5. NEA	5. NEAREST TOWN5 mi.N.W.Boerne 6. COUNTY Kendall								
-	7-STREAM BED ELEV. 73.5 1/				6. TOP	8. TOP OF DAM ELEV. 106.0 1/ 9. SPILLWAY CREST ELEV								
-	O. STORAGE		EVATION OF PO	ON		SURFACE AREA ACRES		STORAGE CRE - FEET	ACCUMULATED ACRE-FEET		DATE STORAGE BEGAN			
	d. FLOOD CONTRO	L									Sept. 10 1952			
ER.	C. WATER SUPPLY	1	100.0		11.	66	142.4		142.4		IB. DATE NORMAL OPER, BEGAN			
ш	d. IRRIGATION										OF ER. BEGAN			
Ĺ	6. CONSERVATION								<u> </u>					
L	f. INACTIVE						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				İ			
	17. LENGTH OF RESERVOIR 0.42							OTH OF RESER	0.07					
шι	18. TOTAL DRAINAGE AREA 1.54							RECIPITATION 32.70 (57) INCHES						
င့်	19. NET SEDIMENT CONTRIBUTING AREA 1.5									3.0				
	20. LENGTH MILES AV			V. WIDTH	.WIDTH MILES 24. MEAN ANNUAL F				RUNOFF 160 ac.ft./sq.miASxXX					
₩AT	21. MAX. ELEV. MIN. EL						25. CL	MATIC CLASSI		Subhu	nid			
	26. DATE OF SURVEY	²⁷ PERIOD YEARS	RIOD 28. ACCL		TYPE OF SURVEY	NO: OF R			32. CAPA S ACRE-		AC-FT. PER SQ.MI			
	Sept. 10, 1955 Aug. 16, 1955			91 1)etail	6 Ran	ges	11.66	142 135		92.5 87.8			
	26. DATE OF SURVEY	34. PERIOD ANNUA PRECIPITATION		35. PE		RIOD WATER INF		ACRE-FEE		TO DATE AC-FT.				
SURVEY DATA														
	26.	37 0-5						36		C 70 D175 4005 5553				
	DATE OF	37. PERIOD SEDIMENT												
	SURVEY	O. PERIOD TOTAL D. AV. ANN		NUAL PER SQ.MI		-YEAR " TOTAL TO DATE		TE V. AV. AN	NUAL	C.PER SQ.MIYEAR				
	Aug. 16, 1955	7.26		2.49		1.64		7.26	2.49		1.64			
	26,	39		40.SED.DEP. TONS		DED CO MI -VD		ALCTODACE.	LOSS BOT	42.050	INFLOW PPM			
	DATE OF SURVEY	AV, DRY WGT.			RIOD	b. TOTAL TO		GAV. ANNUAL		DED.	TE.			
	Aug. 16, 1955			_				1.75	5.10					

1/Local elevation.

26.	43.	DEP1	TH DESI	GNATIO	N RANGE	E IN FEE	T ABOV	E,AND BE	LOW, C	REST EL	EVAT	ON
DATE OF Survey]	ľ			Ī	T
		PE	RCENT	OF TOT	AL SED	MENT	LOCATE	D WITHIN	DEPT	DESIG	NATIO	<u> </u>
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	44.	55450					<u> </u>	<u></u>		<u></u>	<u> </u>	
DATE OF		REAUH	DESIGN	ATION	PERCEN	T OF TO	OTAL OF	RIGINAL	LENGH			
SURVEY	0-10 10	0-20 20-3		·						-110	-115	-120 -
-		PER	CENT O	F TOTAL	. SEDIN	ENT LO	CATED	WITHIN	REACH	DESIGN	IOITAL	V
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j.			R	ANGE IN	RESE	RVOIR	PERAT	ION	-I			
WATER YE	AR MAX. EI	LEV. A	IIN. ELEV		N ACFT			MAX. ELE	V. N	IN. ELEV.	INFL	OW AC
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ELEVATION	AREA	CAPACIT	Y EL	EVATION	ARE	A	CAPACITY	ELEV	ATION	AREA	(CAPACIT
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REMARK	S AND REF	FRENCES	N.		4					<u> </u>		
				ponds	in wa	cersne	ed.	10 10 1\	100			
(28%	Use: 96%	pasture enil 2	, (211 	or ba	asture	8011	240,	3% 18d)	4% C	ultiva	ted	
cultí	of cult. vated land	die to	TTACEC	1 (249	of no	ox I/E	1, 20% fair	soll U	767 -	ο α) 14)	% OI	
Avera	ge C/I ra	tio: 0	- 1 acet	· (44/0	or ha	a Lu I C	rati	cover,	/ U/A P	OOL CO.	ver)	
	ated trap			97%								
	annual s				sted f	or tra	o eff	iciency	1.6	9 ac f	r./e.	mi
			,		-						C+ / 5 C	1
AGENCY	SUPPLYING	DATA S	CS, Te	emple,	Texas			49.	DATES	ept. 1	9 <u>.</u> 19	55