RESERVOIR SEDIMENTATION DATA SUMMARY

Possum Kingdom Lake

53-16 DATA SHEET NO.

	DATA SUMN						F RESE				DATA SHE				
-	OWNER Brazos R. Cons. & Recla- 2 RIVER Brazos River 3. STATE Texas 4. SEC. 32052 1 N P. RANGE98026 W 5. NEAREST TOWN Graford 6. COUNTY Palo Pinto														
AM	4 SEC.32052 IN	/P. R	ANGEO	8 ⁰ 261	₩ ^{5.} NEA	REST TOW	6. COUNT	6. COUNTY Palo Pinto							
۵	7. STREAM BED ELE	v. 855	· · · · · · · · · · · · · · · · · · ·		8. TOP	OF DAM EI	EV.	1024	9. SPILLWAY CREST ELEV. 1000						
	IO. STORAGE ALLOCATION	I	II. ELEVATION TOP OF POOL			RFACE	STORAGE ACRE - FEET		ACCUMU ACRE	JLATED -FEET	DATE STORAGE BEGAN				
RESERVOIR	d. FLOOD CONTRO		1000		20.4			100 00F	F 00	F00.00F		1941			
	C. WATER SUPPLY		<i>'</i> UU		20,0	300		29,985	729,985		16.				
	d. IRRIGATION		·········									NORMAL . BEGAN			
	e. CONSERVATION f. INACTIVE				······································						May	1941			
		SERVOIR	1			Mu 50	A 1 1 1 1 1 1	211 05 5505	D.V.O.D.						
٥	17. LENGTH OF RESERVOIR 18. TOTAL DRAINAGE AREA 14			65	,			TH OF RESE		0.5 MILES					
ш				98 <u>1</u>		SQ. MI,		AN ANNUAL P	v 24	INCHES					
ERSH	19. NET SEDIMENT			<u> </u>				AN ANNUAL R		INCHES					
빌	20. LENGTH 25	ES AV.		90	MILES		AN ANNUAL R				AGFT.				
WAT	21. MAX. ELEV.	4500	1	I. ELEV.		les.	25. CLI	MATIC CLASS		Sub-hu					
ļ	26. DATE OF SURVEY	PERIOD YEARS	28. ACCI YEAR	L. 29. S S	TYPE OF URVEY	OR CONTO		31. SURFACE AREA ACRI	VAF	32. CAPACITY ACRE-FEET		RATIO ER SQ.MI.			
	May 1941 Feb. 1949	7.75	7.7	.75 Range Recon.		33	3	20,600 20,600		729,985 672,420		51.8 47.7			
	26. DATE OF	34. PERIOD ANNUAL PRECIPITATION		5. PE	RIOD W	ATER INFLOW		ACRE-FEE	T 36. WAT	ER INFL.	TO DATE AC-FT.				
	SURVEY					b, MAX, AN		C. PERIOD TO		a. MEAN ANNUAL		b. TOTAL TO DATE			
DATA	Feb. 1949				000 1940 ept.	2,402,		6,975,00		900,000		6,975,000			
	26. DATE OF	37. PERIOD	SEDI	MENT	DEPOSI	TS ACRE-	FEET	38. TOTAL SI	ED. DEPOSIT	TS TO DA	TF AC	RE-FEET.			
ÆΥ	SURVEY	a. PERIOD TO				C.PER SQ.M	-YEAR	a. TOTAL TO D	ATE D. AV. A	b. AV. ANNUAL		C. PER SQ. MI-YEAR			
SURVE	Feb. 1949	57,565		7,	42 8	0.57		57,565	7,	7,428		0.57			
	26	39	40	40.SED. DEP. TONS PER SQ.				AL OTOTAL		OSS POT 142					
	DATE OF SURVEY	39. AV, DRY WO	· · · · —			T				OSS PCT. 42.SED.					
	JUNET	LBS, FER O	CU, FT. a. P			b. TOTAL TO	DATE	AV. ANNUAL	TOT. TO DATE a. PER		OD b.TOT. TO DA				
	Feb. 1949	eb. 1949						1.02	7.89	7.89 _		-			

^{1/} Includes 1,111 sq. miles of partially contributing drainage above other lakes in watershed. Excludes 8,950 sq. miles of non-contributing drainage at head of watershed.

^{2/} Excludes all of non-contributing drainage enumerated in 1/.

26,	43.		D	EPTH	DESI	GNATIC	N	DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION													
DATE OF	-																				
SURVEY	} -			PERC	FNT	OF TO	TAI	L SED	IMEN'	T LO	CATE	D WI	THIN	DEPTH	DESI	GNATI	ON				
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26.	44.		REA	CH DE	SIGN	ATION	PF	FRCEN	IT OF	TOT	AL OF	RIGIN	VAL L	ENGH	OF R	ESER	VOIR				
DATE OF	0-	با مر				0 40-5									-110		1	-125			
SURVEY	0-	10					ــــــــــــــــــــــــــــــــــ									<u>. </u>	1				
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45.					ــــــــــــــــــــــــــــــــــــــ	RANGE	181	BECE	BVOII		EDAT	LON		<u> </u>		<u> </u>	1				
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WATER YEA	AR N	AX. E	LEV.	MILE	I. ELE	V.	_O W	AU,-r	WAI	ER T	LAR	IN A	X. ELE	V.	MIN. EL	EV. III		U F 1.			
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ELEVATION	AR	AREA CAPACITY		E	LEVATIO	AREA		C	CAPACITY		ELEVATION		AREA		CAPACITY						
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47. REMARI	KS AND	RE	FERE	NCES																	

Reference: Unpublished report of sedimentation in Possum Kingdom Lake by Alexis N. Garin, Dec. 1941. Jones, Victor H. and Rogers, Ross E., Reconnaissance Investigation of Sedimentation in Possum Kingdom Lake; U. S. Soil Conserv Serv., SCS-TP-87., 22 pp., illus., processed. Fort Worth, Texas, December 1949.

The sediment is chiefly silt and clay ranging from light tan to dark brown in color.

48. AGENCY SUPPLYING DATA Region 4, Soil Conservation Service 49. DATE Oct. 1950