RESERVOIR SEDIMENTATION DATA SUMMARY

Lake Corpus Christi

NAME OF RESERVOIR

52-1 DATA SHEET NO.

DATA SUMM					F RESE					EET NO.		
	of Corpus	Christi	2. RIVE	R Nue	ces F	liver	3. STATE	Tex	as			
		IGE -	- 5. NEAREST TOWN Mathis					6 COUNTY Live Cak				
				OF DAM E	EV.	96	9. SPILLWA	Y CREST	ELEV.	74		
STORAGE ALLOCATION	STORAGE ELEVATION						L	ACCUMULATED ACRE-FEET		DATE STORAGE BEGAN		
									July	24,193		
C. WATER SUPPLY	74		5,4		54,426		54,426		I6. DAT	E NORMAL R. BEGAN		
e. CONSERVATION	CONSERVATION								July 1934			
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SURVEY			ARS SURVEY			JOIN AUL	i	ACRE-FEET		33. C/W RATIO AG-FT, PER SQ.MI.		
July 1934 - March 1942 7.6			,		• }	5,493 5,493		54,426 43,801		3.24 2.61		
March 1948	ch 1948 6.0 13				7	5,484	39,3	39,387		2.34		
26. DATE OF	34. PERIOD ANNUA	35. PE	TENIOD WATER IN		LOW	ACRE-FEE	T 36. WATE			TO DATE AC-FT.		
SURVEY	PRECIPITATION	MEAN A	a. MEAN ANNUAL		NUAL	C.PERIOD TO	TAL G. MEAN	. MEAN ANNUAL		b. TOTAL TO DATE		
						3.0						
DATE OF	<u> </u>								16			
SURVET	PERIOD TOTAL D. AV. A		NNUAL PER SQ.M		I-YEAR TOTAL TO DATE		ATE O AV. AN	E S. AV. ANNUAL		PER SQ.MI-YEAR		
March 1942 March 1948			1,398 736			10,625		1,398 1,106		0.083 0.066		
26.	39	40.050.0	ED TOM	2050.001	41 VD	AL CTOPAGE	1.000 007	42.055				
DATE OF	I AV. DRY WGT								1.			
March 1942 March 1948	34.9 (26)) 63		63 51	JUATE	2.57 2.03	19.52 27.63	- -				
	4 SEC. — TW 7-STREAM BED ELE 10. STORAGE ALLOCATION d. FLOOD CONTRO b. POWER c. WATER SUPPLY d. IRRIGATION e. CONSERVATION f. INACTIVE 17. LENGTH OF RES 18. TOTAL DRAINAG 19. NET SEDIMENT OF SURVEY July 1934 March 1942 March 1942 March 1948 26. DATE OF SURVEY 26. DATE OF SURVEY March 1948 26. DATE OF SURVEY March 1948 26. DATE OF SURVEY	4-SEC TWP RAN 7-STREAM BED ELEV. 28 10. STORAGE ALLOCATION TOP OF STORAGE ALLOCATION TOP OF SURVEY 28-10. STORAGE ALLOCATION TOP OF SURVEY 4. FLOOD CONTROL 5. POWER 6. WATER SUPPLY 74 6. IRRIGATION 7. LENGTH OF RESERVOIR 29.8 18. TOTAL DRAINAGE AREA 19. NET SEDIMENT CONTRIBUTING OF SURVEY 20. LENGTH 210.0 MILES 21. MAX. ELEV. 2,400 26. DATE OF SURVEY YEARS 27. PERIOD ANNUA PRECIPITATION 28. DATE OF SURVEY PRECIPITATION 26. DATE OF SURVEY PRECIPITATION 26. DATE OF SURVEY PRECIPITATION 27. PERIOD OF SURVEY PRECIPITATION 28. DATE OF SURVEY PRECIPITATION 29. DATE OF SURVEY PRECIPITATION 20. LENGTH 1942 10,625 ANATCH 1942 10,625 ANATCH 1948 4,414 1/4 26. DATE OF SURVEY LBS. PER CU.F. March 1942 34.9 (26) March 1942 34.9 (26)	4 SEC. — TWP. — RANGE — 7 STREAM BED ELEV. 28 10. STORAGE ALLOCATION TOP OF POOL d. FLOOD CONTROL b. POWER C. WATER SUPPLY 74 d. IRRIGATION e. CONSERVATION f. INACTIVE 17. LENGTH OF RESERVOIR 29.8 (Main book) 18. TOTAL DRAINAGE AREA 16 19. NET SEDIMENT CONTRIBUTING AREA 16 19. NET SEDIMENT CONTRIBUTING AREA 16 20. LENGTH 210.0 MILES AV. WIDTH 21. MAX. ELEV. 2,400 MIN. ELEV. 26. DATE OF SURVEY YEARS S July 1934 — — — — — — — — — — — — — — — — — — —	**SEC. — TWP. — RANGE — *** NEA* ***TREAM BED ELEV. 28 ***TOP OF POOL *** ***TREAM BED ELEV. 28 ***TOP OF POOL *** **TOP OF POOL *** ***TOP OF POOL *** **TOP OF POOL ** **TOP OF POOL *** **TOP OF POOL ** **TOP OF POOL *** **TOP O	**SEC. — TWP. — RANGE — 5. NEAREST TOWN 7. STREAM BED ELEV. 28	7. STREAM BED ELEV. 28 10. STORAGE ALLOCATION TOP OF POOL AREA ACRES 11. ELEVATION TOP OF POOL AREA ACRES 12. SURFACE AREA ACRES 13. ALLOCATION TOP OF POOL AREA ACRES 14. ALLOCATION TOP OF POOL AREA ACRES 15. ALLOCATION AREA ACRES 16. FLOOD CONTROL 16. POWER 17. LENOTH OF RESERVOIR 29.8 (Main body 7.1) MILES AV. WIGHT INACTIVE 17. LENGTH OF RESERVOIR 29.8 (Main body 7.1) MILES AV. WIGHT INACTIVE 18. TOTAL DRAINAGE AREA 16,800 SQ.MI. 22. ME 19. NET SEDIMENT CONTRIBUTING AREA 16,791 SQ.MI. 23. ME 20. LENGTH 210.0 MILES AV. WIDTH 80.0 MILES 24. ME 21. MAX. ELEV. 2,400 MIN. ELEV. 25. CLI 22. ME SURVEY YEARS SURVEY SURVEY OR CONTOUR INT. 31. ALLOCATION AREA ACRES 32. MAIN ELEV. 22. ME 33. ME 24. ME 25. CLI 26. DATE OF SURVEY PRECIPITATION AND AND AND ALL PRECIPITATION AND AND AND AND AND AND AND AND AND AN	**SEC. — TWP. — RANGE — *** NEAREST TOWN Mathis** 7. STREAM BED ELEV. 28	**SEC. — TWP. — RANGE — *** NEAREST TOWN Mathis *** COUNTY *** COUNTY *** TOTAL DEED *** COUNTY ***	**SEC. — TWP. — BANGE — **NEAREST TOWN Mathis	**SEC TWP RANGE - NEAREST TOWN Mathis COUNTY Live Ca **STRAM BED ELEV. 28 STOP OF DAM ELEV. 96 SPILLMAY CREST ELEV. 10. STORAGE ALLOCATION ELEVATION RAREA AGRES STORAGE ACRE-FEET ACCHIVATOR AREA AGRES STORAGE ACRE-FEET STURY STUR		

^{1/} Above-crest deposits of 2 acre-feet not included.
2/ Computed as the difference in total weight of sediment for the periods 1934-42 and 1934-48, then reduced to tons per sq. mi. per year.

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62	1,271	6,23	4										
66	1,877	12,41	4										
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^{47.} REMARKS AND REFERENCES

Brown, Carl B., Jones, Victor H., and Rogers, Ross E., Report on Sedimentation in Lake Corpus Christi and the Water Supply of Corpus Christi, Texas, U. S. Soil Conservation Service, SCS-TP-74, 54 pp., illus., processed. Fort Worth, Texas, Dec. 1948.

In 1948 2,968 Ac. Ft. of water was impounded behind silt bars.

48. AGENCY SUPPLYING DATA Region 4, Soil Conservation Service 49. DATE August 3, 1950