

RESERVOIR SEDIMENTATION
DATA SUMMARY

T & P Reservoir

NAME OF RESERVOIR

51-10

DATA SHEET NO.

DAM	1. OWNER T. & P. R.R. Co.			2. RIVER Town Creek			3. STATE Texas									
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN Weatherford			6. COUNTY Parker									
	7. STREAM BED ELEV. 1068			8. TOP OF DAM ELEV. 1096			9. SPILLWAY CREST ELEV. 1092 1/2									
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE- FEET		14. ACCUMULATED ACRE- FEET		15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL										May 1930					
	b. POWER															
	c. WATER SUPPLY															
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN					
	e. CONSERVATION		1092 1/2		50		370		370							
	f. INACTIVE										May 1930					
WATERSHED	17. LENGTH OF RESERVOIR 0.87 MILES				AV. WIDTH OF RESERVOIR MILES											
	18. TOTAL DRAINAGE AREA 6.24 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 31 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 6.18 1/2 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH 4.6 MILES		AV. WIDTH 2.2 MILES		24. MEAN ANNUAL RUNOFF AC.- FT.											
	21. MAX. ELEV. 1120		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Humid											
SURVEY DATA	26. DATE OF SURVEY		27. PERIOD YEARS		28. ACCL. YEARS		29. TYPE OF SURVEY		30. NO. OF RANGES OR CONTOUR INT.		31. SURFACE AREA ACRES		32. CAPACITY ACRE- FEET		33. C/W RATIO AC.- FT. PER SQ. MI.	
	1930 Nov. 1938		- 8.5		- 8.5		- Range Detailed		- 16		50 1/2 50		370 328		59 53	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET				36. WATER INFL. TO DATE AC- FT.							
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		d. MEAN ANNUAL		b. TOTAL TO DATE			
	26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE- FEET				38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET.									
			a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.- YEAR		d. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.- YEAR			
	Nov. 1938		41.8		4.92		0.796		41.8		4.92		0.796			
	26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PER SQ. MI.- YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM							
					a. PERIOD		b. TOTAL TO DATE		a. AV. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
Nov. 1938		61 (8)		1058		1058		1.33		11.30		-		-		

1/ The spillway crest was raised 2' in 1939 to elev. 1092. Area, capacity, and c/w ratio above are at 1092' elevation. During period of sedimentation record, reservoir area was 39.8 acres.

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION													
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES
 Unpublished Report of Sedimentation in T & P Reservoir by L. M. Glymph, Jr. and V. H. Jones, 1938.

T & P Lake was built for R. R. water supply but was abandoned for that purpose a few years later. It is now being used as a fishing and hunting center.

Sediment is gray silt and clay in the lower part of the lake, and sandy near its head. Coarse sand and gravel deposits occur at the extreme head of the lake.

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