

RESERVOIR SEDIMENTATION
DATA SUMMARY

Philpeco Lake

NAME OF RESERVOIR

53 - 29

DATA SHEET NO.

DAM	1. OWNER <u>G. C. & S. F. RR.</u>			2. RIVER <u>Paint Creek</u>			3. STATE <u>Texas</u>						
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN <u>Pioneer</u>			6. COUNTY <u>Eastland</u>						
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.						
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								April 1925				
	b. POWER												
	c. WATER SUPPLY												
	d. IRRIGATION								16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION		29		183		183						
	f. INACTIVE								April 1925				
17. LENGTH OF RESERVOIR				MILES		17. AV. WIDTH OF RESERVOIR				MILES			
WATERSHED	18. TOTAL DRAINAGE AREA			9.04		SQ. MI.		22. MEAN ANNUAL PRECIPITATION			27 * INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA			9.00		SQ. MI.		23. MEAN ANNUAL RUNOFF			INCHES		
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF			AC.-FT.	
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION					Sub-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.			
	April 1925	-	-	-	-	29		183		20			
	Feb. 1941	15.9	15.9	Recon.	51 meas.	29		173		19			
	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	e. 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	e. AV. ANNUAL	f. PER SQ. MI.-YEAR				
	Feb. 1941	10.2		0.64	0.07		10.2	0.64	0.07				
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE				
Feb. 1941					0.35	5.60	-	-					

* Estimated

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	
Region 4, Soil Conservation Service U. S. Dept. of Agriculture Fort Worth, Texas	
48. AGENCY SUPPLYING DATA	49. DATE <u>January 2, 1951</u>