

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Wallace Lake

NAME OF RESERVOIR

49-8a

DATA SHEET NO.

DAM	1. OWNER U.S. Army, C of E		2. STREAM Cypress Bayou		3. STATE Louisiana			
	4. SEC. 2 & 35 TWP. 15 & 16 N RANGE 13 W		5. NEAREST P.O. Shreveport		6. COUNTY Caddo-DeSoto			
	7. LAT. ' ' " LONG. ' ' "		8. TOP OF DAM ELEVATION 176		9. SPILLWAY CREST ELEV. 158			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL	158	9,300	88,300	96,100	Dec 46		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION	142	2,300	7,800	7,800	Dec 46		
g. INACTIVE								
17. LENGTH OF RESERVOIR		12.4*	MILES	AV. WIDTH OF RESERVOIR		0.87 MILES		
WATERSHED	18. TOTAL DRAINAGE AREA		260	SQ. MI.	22. MEAN ANNUAL PRECIPITATION 44.48 (1890-1970) INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA		246	SQ. MI.	23. MEAN ANNUAL RUNOFF 11.35 INCHES			
	20. LENGTH	27	MILES	AV. WIDTH	10	MILES		
	21. MAX. ELEV.		400	MIN. ELEV.	129	25. ANNUAL TEMP MEAN 65°F RANGE - 5°F to 110°F		
	24. MEAN ANNUAL RUNOFF		158,061		AC.-FT.			
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/I. RATIO, AC.-FT. PER AC.-FT.
	Dec 46			D-Ranges	38	9,300	88,300	0.557
	Oct 51	4.8	4.8	D-Check Ranges	2	9,300	88,300	0.557
	Apr 61	9.5	14.3	"	4	9,300	88,300	0.557
	May 71	10.08	24.38	"	2	9,300	88,300	0.557
	Apr 72	0.92	25.3	"	2	9,300	88,300	0.557
	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	a. MEAN ANNUAL	b. TOTAL TO DATE		
	Oct 51	42.90	167,123	233,686	807,206	167,123	807,206	
	Apr 61	45.11	178,441	306,100	1,695,186	174,992	2,502,392	
	May 71	40.05	138,461	301,932	1,395,687	159,888	3,898,079	
	Apr 72	30.16	114,130	53,088	105,000	158,061	3,998,941	
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET			
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	
	Oct 51	No appreciable sedimentation						
Apr 61	" "	" "	" "					
May 71	" "	" "	" "					
Apr 72	" "	" "	" "					
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE		

