

RESERVOIR SEDIMENTATION
DATA SUMMARY

O. P. White Pond

NAME OF RESERVOIR

15 - 3

DATA SHEET NO.

DAM	1. OWNER O. P. White			2. RIVER Unnamed Trib. of Chewalla Creek		3. STATE Mississippi		
	4. SEC. 13 TWP. 4S RANGE 2W			5. NEAREST TOWN Holly Springs		6. COUNTY Marshall		
RESERVOIR	7. STREAM BED ELEV. 896 *			8. TOP OF DAM ELEV. -		9. SPILLWAY CREST ELEV. 100 *		
	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					Oct. 1947		
	b. POWER							
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION	100.0	0.48	1.46	1.46	Oct. 1947		
f. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR 0.04 MILES			18. AV. WIDTH OF RESERVOIR 0.0188 MILES				
	19. TOTAL DRAINAGE AREA 0.0097 SQ. MI.			20. MEAN ANNUAL PRECIPITATION 49.47 INCHES				
	21. NET SEDIMENT CONTRIBUTING AREA 0.0089 SQ. MI.			22. MEAN ANNUAL RUNOFF - INCHES				
	23. LENGTH - MILES			24. AV. WIDTH - MILES		25. MEAN ANNUAL RUNOFF - AC.- FT.		
	26. MAX. ELEV. -			27. MIN. ELEV. -		28. CLIMATIC CLASSIFICATION Humid		
SURVEY DATA	29. DATE OF SURVEY	30. PERIOD YEARS	31. ACCL. YEARS	32. TYPE OF SURVEY	33. NO. OF RANGES OR CONTOUR INT.	34. SURFACE AREA ACRES	35. CAPACITY ACRE- FEET	36. C/W RATIO AC.- FT. PER SQ. MI.
	Oct. 1947	-	-	-	-	0.48	1.46	150
	Jan. 1951	3.3	3.3	Range detailed	3	0.47	1.07	111
	29. DATE OF SURVEY	30. PERIOD ANNUAL PRECIPITATION	31. PERIOD WATER INFLOW ACRE- FEET			32. WATER INFL. TO DATE AC.- FT.		
	Jan 1951	63.25	a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE	
	29. DATE OF SURVEY	30. PERIOD SEDIMENT DEPOSITS ACRE- FEET			31. TOTAL SED. DEPOSITS TO DATE ACRE- FEET.			
	Jan. 1951	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.- YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.- YEAR	
	Jan. 1951	0.385	0.117	13.1	0.385	0.117	13.1	
	29. DATE OF SURVEY	30. AV. DRY WGT. LBS. PER CU. FT.	31. SED DEP. TONS PER SQ. MI.- YR.		32. STORAGE LOSS PCT.		33. SED. INFLOW PPM	
	Jan. 1951	63.65 (2)	a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
Jan. 1951		18,200	18,200	8.03	26.4			

*Assumed

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 2, Soil Conservation Service
U. S. Dept. of Agriculture
Spartanburg, South Carolina

48. AGENCY SUPPLYING DATA

49. DATE April 30, 1951