

**RESERVOIR SEDIMENTATION
DATA SUMMARY**

Sky Lake

NAME OF RESERVOIR

11-2

DATA SHEET NO.

DAM	1. OWNER <u>Private</u>			2. RIVER <u>Unnamed Trib. of Chickamauga Cr.</u>			3. STATE <u>Georgia</u>				
	4. SEC. -- TWP. -- RANGE --			5. NEAREST TOWN <u>Helen</u>			6. COUNTY <u>White</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					June 1925					
	b. POWER										
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION			20.4	218.4	218.4	June 1925				
	f. INACTIVE										
17. LENGTH OF RESERVOIR		0.44	MILES	AV. WIDTH OF RESERVOIR		0.07	MILES				
WATERSHED	18. TOTAL DRAINAGE AREA		2.34	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		68 *	INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA		2.31	SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES				
	20. LENGTH		2.80	MILES	AV. WIDTH		.84	MILES		24. MEAN ANNUAL RUNOFF	AC.-FT.
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION <u>Perhumid</u>						
	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.		
6/1925		--	--	--	--	20.4	218.4	93.3			
5/22/56		31	31	Range (D-R)	7	17.6	176.6	75.5			
SURVEY DATA	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	e. AV. ANNUAL	c. PER SQ. MI.-YEAR			
	5/22/56		41.8	1.35	0.58	41.8	1.35	41.8			
	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			
5/22/56		67	846	846	0.62	19.1					

* 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 Dam repaired about 1927. Partial failure of dam occurred in 1954 -- repaired.															
48. AGENCY SUPPLYING DATA Soil Conservation Service Athens, Georgia										49. DATE <u>9/20/1961</u>					