

RESERVOIR SEDIMENTATION
DATA SUMMARY

High Point Reservoir

NAME OF RESERVOIR

6-4

DATA SHEET NO.

DAM	1. OWNER City of High Point			2. RIVER Deep River			3. STATE North Carolina			
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN 4.5 NE High Point			6. COUNTY Guilford			
	7. STREAM BED ELEV. 703			8. TOP OF DAM ELEV. -			9. SPILLWAY CREST ELEV. 748			
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					Jan. 1928				
	b. POWER									
	c. WATER SUPPLY	748	322	4,354	4,354	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR 2.8 MILES			18. AV. WIDTH OF RESERVOIR MILES						
	18. TOTAL DRAINAGE AREA 62.8 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 44.39 (17) INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 62.3 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH MILES			24. AV. WIDTH MILES			24. MEAN ANNUAL RUNOFF AG.-FT.			
	21. MAX. ELEV.			21. MIN. ELEV.			25. CLIMATIC CLASSIFICATION Humid			
SURVEY DATA	26. DATE OF SURVEY	27. PERIOD YEARS	28. ACGL. 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.		
	Jan. 1928	-	-	-	-	322	4,354	69.3		
	Aug. 1934	6.5	6.5	Range Detailed	55	-	4,135	65.8		
	April 1938	3.75	10.25	"	62	318	4,038	64.3		
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET				36. WATER INFL. TO DATE AG.-FT.			
			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL		a. 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	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR			
		Aug. 1934	219	33.7	0.541	219	33.7	0.541		
	April 1938	97	25.9	0.416	316	30.8	0.494			
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			
Aug. 1934	50.6 (12)	596	596	0.77	5.03					
April 1938		458	544	0.71	7.26					

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. Department of Agriculture
Spartanburg, South Carolina

48. AGENCY SUPPLYING DATA

49. DATE October 1950