

U.S. DEPARTMENT OF AGRICULTURE  
**RESERVOIR SEDIMENTATION  
DATA SUMMARY**

Broad Brook  
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE  
2-1  
DATA SHEET NO.

<b>DAM</b>	1. OWNER			2. RIVER <u>Broad Brook</u>		3. STATE <u>Connecticut</u>		
	4. SEC. TWP. RANGE		5. NEAREST TOWN <u>Broad Brook</u>			6. COUNTY <u>Hartford-New Haven</u>		
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV.		
<b>RESERVOIR</b>	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					1916		
	b. POWER							
	c. WATER SUPPLY		324.8	3706	3706	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
17. LENGTH OF RESERVOIR				MILES	AV. WIDTH OF RESERVOIR			
18. TOTAL DRAINAGE AREA		5.13	SQ. MI.		22. MEAN ANNUAL PRECIPITATION			
19. NET SEDIMENT CONTRIBUTING AREA			SQ. MI.		23. MEAN ANNUAL RUNOFF			
20. LENGTH		MILES	AV. WIDTH		MILES			
21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION				
<b>WATERSHED</b>	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 <sub>w</sub> RATIO AC- FT. PER SQ. MI.
	1916	--	--	--	---	324.8	3706	722
	Sept. 1951	35	35	Range Recon.	10	324.0	3652	712
	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	
	Sept. 1951	53.9	1.54	.33	53.9	1.54	.33	
	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	
Sept. 1951	50*	359.4	359.4	.04	1.45			

\* 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

  
  
  
  
  
  
  
  
  
  

Soil Conservation Service

48. AGENCY SUPPLYING DATA Upper Darby, Pa.

49. DATE \_\_\_\_\_