

RESERVOIR SEDIMENTATION
DATA SUMMARY

Pedlar Reservoir

NAME OF RESERVOIR

5-2

DATA SHEET NO.

DAM	1. OWNER City of Lynchburg			2. RIVER Pedlar River			3. STATE Virginia		
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN Oronoco			6. COUNTY Amherst		
	7. STREAM BED ELEV. 949			8. TOP OF DAM ELEV. 1022			9. SPILLWAY CREST ELEV. 1016		
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					Feb. 1907			
	b. POWER								
	c. WATER SUPPLY	1016	92	1,860	1,860	16. DATE NORMAL OPER. BEGAN			
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR			MILES; AV. WIDTH OF RESERVOIR			MILES		
	18. TOTAL DRAINAGE AREA 33.21			SQ. MI.			22. MEAN ANNUAL PRECIPITATION		
	19. NET SEDIMENT CONTRIBUTING AREA 33.07			SQ. MI.			23. MEAN ANNUAL RUNOFF		
	20. LENGTH			MILES; AV. WIDTH			MILES		
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION Humid		
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/W RATIO AC-FT. PER SQ. MI.	
	Feb. 1907	-	-	-	-	92	1,860	56	
	Feb. 1938	31	31	Range Recon.	5	92	1,723	52	
	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		
	Feb. 1938	137	4.42	0.134	137	4.42	0.134		
	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	c. PERIOD	d. TOT. TO DATE		
Feb. 1938				0.24	7.4				

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
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