

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

FERNOW EXPERIMENTAL FOREST

WATERSHED #2

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

~~1-2-79~~ 21-61
DATA SHEET NO.

DAM	1. OWNER USDA(For. Serv.)		2. STREAM Tributary(Elk Lick)		3. STATE WV			
	4. SEC. TWP. RANGE		5. NEAREST P.O. Parsons, WV26287		6. COUNTY Tucker			
	7. LAT. 39° 3' 30" LONG. 79° 39' 30"		8. TOP OF DAM ELEVATION		9. SPILLWAY CREST ELEV.			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-Feet	14. GROSS STORAGE, ACRE-Feet	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL							
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION							
g. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR		MILES	AV. WIDTH OF RESERVOIR		MILES		
	18. TOTAL DRAINAGE AREA		.0598437	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		55.53 INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			SQ. MI.	23. MEAN ANNUAL RUNOFF		26.81 INCHES	
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF	85.57 AC.-FT.
	21. MAX. ELEV. 2671		MIN. ELEV. 2335		25. ANNUAL TEMP.: MEAN 48°F RANGE 38°F - 57°F			
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/I. RATIO, AC.-FT. PER AC.-FT.
	7/1/64	.7	.7	Cleaned Basin		.00852	.0171	.0001998
	7/15/65	1.0	1.7	" "		"	"	"
	8/15/68	3.1	4.8	" "		"	"	"
	8/15/70	2.0	6.8	" "		"	"	"
	8/15/73	3.0	9.8	" "		"	"	"
	10/15/75	2.2	12.0	" "		"	"	"
	7/15/78	2.7	14.7	" "		"	"	"
	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	a. MEAN ANNUAL	b. TOTAL TO DATE	
	7/1/64	58.10	85.66		59.96			
	7/15/65	54.90	81.26		81.26			
	8/15/68	47.99	65.69		203.65			
	8/15/70	52.78	77.00		154.00			
	8/15/73	59.83	97.22		291.65			
10/15/75	63.90	109.44		240.77				
7/15/78	51.72	70.02		189.07				
26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, 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		
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
7/1/64	53.0	35.63						
7/15/65	"	23.34						
8/15/68	"	16.81						
8/15/70	"	31.55						
8/15/73	"	36.74						
10/15/75	"	16.95						
7/15/78	"	34.11						

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA

50. DATE