

RESERVOIR SEDIMENT
DATA SUMMARY

FERNOW EXPERIMENTAL FOREST
WATERSHED #3

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

NAME OF RESERVOIR

210 21-70
DATA SHEET NO.

DAM	1. OWNER USDA (Forest Service)			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				.1323437				SQ. MI.				22. MEAN ANNUAL PRECIPITATION				55.53				INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA								SQ. MI.				23. MEAN ANNUAL RUNOFF				26.30				INCHES							
	20. LENGTH				MILES				AV. WIDTH				MILES				24. MEAN ANNUAL RUNOFF				185.63				AC.-FT.			
	21. MAX. ELEV.				2842				MIN. ELEV.				2405				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				.0103787		.0311361		.0001677													
	7/15/65		1.0		1.7		" "				"		"		"													
	8/15/67		2.1		3.8		" "				"		"		"													
	8/15/68		1.0		4.8		" "				"		"		"													
	8/15/70		2.0		6.8		" "				"		"		"													
	8/15/73		3.0		9.8		" "				"		"		"													
	10/15/75		2.2		12.0		" "				"		"		"													
	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		179.56						125.69																	
7/15/65		54.90		165.52						165.52																		
8/15/67		46.63		126.80						266.28																		
8/15/68		50.72		155.35						155.35																		
8/15/70		52.78		166.43						332.86																		
8/15/73		59.83		230.38						691.14																		
10/15/75		63.90		236.03						519.27																		
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-		29.44																								
7/15/65		"		15.84																								
8/15/67		"		20.13																								
8/15/68		"		29.43																								
8/15/70		"		43.02																								
8/15/73		"		19.52																								
10/15/75		"		26.41																								

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	-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

48. AGENCY MAKING SURVEY _____

49. AGENCY SUPPLYING DATA _____

DATE _____