

RESERVOIR SEDIMENT  
DATA SUMMARY

Lynx Lake

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

24 Nov. 4-66

NAME OF RESERVOIR

60-44

DATA SHEET NO.

DAM	1. OWNER U. S. Forest Service			2. STREAM Lynx Creek			3. STATE Arizona					
	4. SEC. 8 TWP. 13N RANGE 1W			5. NEAREST P. O. Prescott 6SE			6. COUNTY Yavapai					
	7. LAT. 12° 7' " LONG. 34° 31' "			8. TOP OF DAM ELEVATION			9. SPILLWAY CHEST 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										1962	
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN	
	c. POWER										1962	
	d. WATER SUPPLY											
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR .5 MILES				AV. WIDTH OF RESERVOIR .17 MILES							
	18. TOTAL DRAINAGE AREA 18.14 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 20.0 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 10.0* SQ. MI.				23. MEAN ANNUAL RUNOFF 1.42 INCHES							
	20. LENGTH 7.0 MILES		AV. WIDTH 2.69 MILES		24. MEAN ANNUAL RUNOFF 1,374 AC.-FT.							
	21. MAX. ELEV. 7,950'		MIN. ELEV. 5,425'		25. ANNUAL TEMP: MEAN RANGE							
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.			
	11/62		0	0	Contour(D)	5'	55	1472	1.07			
	11/68		6	6	Contour(R)	5'	53	1460	1.06			
	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			
	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				
	1962					0	0	0				
	1968		11.85	1.97	0.197	11.85	1.97	0.197				
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				

\*assumed

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 *Forest Service*  
 49. AGENCY SUPPLYING DATA " "

Prescott National Forest  
 50. DATE 10/5/71