

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

McGuire

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

72-28

DATA SHEET NO.

DAM	1. OWNER Jim McGuire				2. STREAM Virgin Creek				3. STATE California							
	4. SEC. 33 TWP. 19N RANGE 17W				5. NEAREST P.O. Ft. Bragg				6. COUNTY Mendocino							
	7. LAT. 39° 28' " LONG. 123° 46' "				8. TOP OF DAM ELEVATION 95.3*				9. SPILLWAY CREST ELEV. 91.2*							
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										1954					
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN					
	c. POWER										1954					
	d. WATER SUPPLY															
	e. IRRIGATION															
	f. CONSERVATION		91.2		0.94		7.30		7.30							
	g. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.057				MILES				AV. WIDTH OF RESERVOIR 0.026				MILES			
	18. TOTAL DRAINAGE AREA 0.084				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 40 (50 yr)				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 0.083				SQ. MI.				23. MEAN ANNUAL RUNOFF 15 (50 yr)				INCHES			
	20. LENGTH 0.36				MILES				AV. WIDTH 0.22				MILES			
	21. MAX. ELEV. 480*				MIN. ELEV. 78*				25. ANNUAL TEMP: MEAN 53				RANGE 45-61			
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 - 54 1/2		-		-		-		-		0.94		7.30		0.11	
	7-13-67		13		13		Range		6 Ranges "D"		0.94		7.07		0.11	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.							
	7-13-67		41		67		-		871		67		871			
	26. DATE OF SURVEY		37. PERIOD CAPACITY LOSS, ACRE-FEET				38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET									
	7-13-67		0.23		0.018		0.21		0.23		0.018		0.21			
	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					
	7-13-67		60**		274		274		0.24		3.15		250		250	

Assumed datum - Add approximately 300 to obtain MSL elevation.
Estimated - predominantly silt, submerged.

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

1/Original capacity determined from 1967 survey.

Watershed Land Use: 100% range. Converted from timber at about time dam was built.

Geology: Undivided Cretaceous marine sediments, mostly greywacke and minor shale.

48. AGENCY MAKING SURVEY USDA, Soil Conservation Service, State Office, Berkeley, Calif.

49. AGENCY SUPPLYING DATA same 50. DATE August 1968