

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-62

Roy Alexander
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

71-38

DATA SHEET NO.

DAM	1. OWNER Roy Alexander				2. STREAM Trib. Natividad Cr.				3. STATE California			
	4. SEC. 36043 W. 121035 W. RANGE				5. NEAREST TOWN Salinas				6. COUNTY Monterey			
	7. STREAM BED ELEVATION 86.5				8. TOP OF DAM ELEVATION 120				9. SPILLWAY CREST ELEV. 116			
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. MULTIPLE USE										1951	
	b. FLOOD CONTROL											
	c. POWER											
	d. WATER SUPPLY											
	e. IRRIGATION		116		1.69		8.40		8.40		16. DATE NORMAL OPER. BEGAN	
	f. CONSERVATION											
	g. SEDIMENT										1951	
	h. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR (420 ft.) 0.08 MILES				AV. WIDTH OF RESERVOIR (175 ft.) 0.03 MILES							
	18. TOTAL DRAINAGE AREA (132.2 acres) 0.205 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 17 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.203 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH 0.62 MILES		AV. WIDTH 0.34 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. 440		MIN. ELEV. 86.5		25. CLIMATIC CLASSIFICATION semi-arid							
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.			
	1951 ^{1/}		-	-	-	-	1.69	8.40	40.23			
	9-22-64		13	13	range	5 ranges (D)	1.69	8.15	39.72			
	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			
	9-24-64		17 in.									
	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	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR				
	9-24-64		0.25	0.02	0.10	0.25	0.02	0.10				
	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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
9-24-64		65 ^{2/}	141.6	141.6	0.24	2.98						

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	-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 obtained from 1964 survey.
2/Assumed value based on undisturbed samples from other reservoirs.
 Land use in watershed: 100 percent pasture (grassland).

48. AGENCY MAKING SURVEY USDA, Soil Conservation Service; Berkeley, California.
 49. AGENCY SUPPLYING DATA same 50. DATE 1/12/65