

RESERVOIR SEDIMENTATION  
DATA SUMMARY

C. C. Anderson Pond

71-24

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER C. C. Anderson			2. RIVER Marsh Creek			3. STATE California									
	4. SEC. 33 TWP. 1N RANGE 34E			5. NEAREST TOWN Near Brentwood			6. COUNTY Contra Costa									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.									
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE- FEET		14. ACCUMULATED ACRE- FEET		15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL										1945					
	b. POWER															
	c. WATER SUPPLY				0.35		1.920		1.920		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE										1945					
17. LENGTH OF RESERVOIR					MILES		17. AV. WIDTH OF RESERVOIR					MILES				
WATERSHED	18. TOTAL DRAINAGE AREA				0.083		SQ. MI.		22. MEAN ANNUAL PRECIPITATION				19		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				0.083		SQ. MI.		23. MEAN ANNUAL RUNOFF						INCHES	
	20. LENGTH				MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF				AC.-FT.	
	21. MAX. ELEV.				MIN. ELEV.		25. CLIMATIC CLASSIFICATION						Semi-arid			
	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.	
1945 10/22/52		-		-		-		-		0.35 0.35		1.920 1.864		23.1 22.4		
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET				36. WATER INFL. TO DATE AG-FT.								
				a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE				
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				
10/22/52		0.056		0.008		0.096		0.056		0.008		0.096				
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. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE				
10/22/52		65*		16.98		16.98		0.50		2.92		-				

\*Estimated

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/ Excluding area of pond.

Ref: Marsh Creek and Kellogg Creek Watershed Program, 1954, unpublished.

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			a. PERIOD		b. TOTAL TO DATE		c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE			
10/22/52		65*		136		136		0.50		2.92		-				

\*Estimated

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ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

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48. AGENCY SUPPLYING DATA      SCS, Portland, Oregon      49. DATE Nov. 15, 1954