

RESERVOIR SEDIMENTATION
DATA SUMMARY

Contra Costa Country Club
NAME OF RESERVOIR

71-22
DATA SHEET NO.

DAM	1. OWNER <u>CCC Flood Contr. Dist.</u>			2. RIVER <u>Grayson Creek</u>			3. STATE <u>California</u>									
	4. SEC. <u>TWP. Long 38</u>			5. NEAREST TOWN <u>Pacheco</u>			6. COUNTY <u>Contra Costa</u>									
	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										1934					
	b. POWER															
	c. WATER SUPPLY				0.84		5.75		5.75		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION										1934					
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR			.08 MILES			AV. WIDTH OF RESERVOIR			.01 MILES						
	18. TOTAL DRAINAGE AREA			0.20 SQ. MI.			22. MEAN ANNUAL PRECIPITATION			19 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA			0.20 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 <u>Semi-arid</u>											
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.	
	1934		-		-		-		-		0.84		5.75		28.7	
	1951		17		17		Range Detailed		4		0.84		5.24		26.2	
	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 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			
	1951		0.51		0.03		0.15		0.51		0.03		0.15			
	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		
1951		40		131		131		0.52		8.87		-		-		

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

Ref: "Walnut Creek Watershed Program for Soil Conservation and Flood Control". Costra Costa County, Calif. Flood Control and Water Conservation District in cooperation with Soil Conservation Service, Sept. 1952, processed.