

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Upper Crystal Springs

71-1

Francisco

NAME OF RESERVOIR

DATA SHEET NO. -

DAM	1. OWNER City and Co. of San/			2. RIVER Laguna Creek		3. STATE California		
	4. SEC. 12 TWP. 5S RANGE 4W			5. NEAREST TOWN San Francisco		6. COUNTY San Mateo		
	7. STREAM BED ELEV. 202			8. TOP OF DAM ELEV. 292.5		9. SPILLWAY CREST ELEV. 258		
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					Jan. 1878		
	b. POWER							
	c. WATER SUPPLY	287.66 1/	799.3	29,138	29,138	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
17. LENGTH OF RESERVOIR 2.71 MILES				AV. WIDTH OF RESERVOIR 0.46 MILES				
WATERSHED	18. TOTAL DRAINAGE AREA 13.3 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 31 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 12.0 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES				
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF 2300 AC.-FT.			
	21. MAX. ELEV. 2048		MIN. ELEV. 202		25. CLIMATIC CLASSIFICATION Humid			
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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.
	Jan. 1878	-	-	-	-	799.3	29,138	2,191
	Oct. 1935	57.8	57.8	Range Detailed	21	799.3	28,159	2,117
	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	
	Oct. 1935	979	16.9	1.41	979	16.9	1.41	
	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	
Oct. 1935				0.06	3.36			

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/ Maximum elevation controlled by Lower Crystal Springs dam.

Region 7, Soil Conservation Service  
 U. S. Department of Agriculture

48. AGENCY SUPPLYING DATA Portland, Oregon      49. DATE Feb. 27, 1951