

R & J Sedimentation

**RESERVOIR SEDIMENTATION
DATA SUMMARY**

North Fork Reservoir

NAME OF RESERVOIR

71-30

DATA SHEET NO.

DAM	1. OWNER Pacheco Pass Water Dist.			2. RIVER Pacheco Creek			3. STATE California			
	4. SEC. 22 TWP. 10 S RANGE 6 E			5. NEAREST TOWN Hollister			6. COUNTY Santa Clara			
	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					Dec. 1938				
	b. POWER									
	c. WATER SUPPLY		205 ^{2/}	5803	5803	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE					Dec. 1938				
17. LENGTH OF RESERVOIR 2.4 MILES			AV. WIDTH OF RESERVOIR .18 MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 66.2 ^{1/} SQ. MI.			22. MEAN ANNUAL PRECIPITATION 17.32 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 66.0 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 Semiarid-Subhumid					
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.		
	1938	--	--	--	--	205 ^{2/}	5803	87.7		
	4/16/51	12.4	12.4	Range Detailed	13	205 ^{2/}	5706	86.2		
SURVEY DATA	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		
SURVEY DATA	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			
SURVEY DATA	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	
SURVEY DATA	4/16/51	45*		117.61	117.61	0.13	1.67	-	--	

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/ Includes reservoir area Ref: "Sedimentation Survey of North Fork Reservoir, Santa Clara County, Calif. Aug. 1951, Unpublished"

2/ At spillway stage

3/ Excluding lake area

* Estimated

48. AGENCY SUPPLYING DATA U.S. Dept. of Agriculture
Soil Conservation Service
Portland, Oregon

49. DATE Nov. 15, 1954