

RESERVOIR SEDIMENTATION  
DATA SUMMARY

F. J. Hoey Pond  
NAME OF RESERVOIR

71-26  
DATA SHEET NO.

DAM	1. OWNER F. J. Hoey			2. RIVER Alhambra Creek			3. STATE California				
	4. SEC. 32 TWP. 1 N RANGE 32 E			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					1947					
	b. POWER										
	c. WATER SUPPLY		0.37	2.45	2.45	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION					1947					
	f. INACTIVE										
17. LENGTH OF RESERVOIR --- MILES			AV. WIDTH OF RESERVOIR --- MILES								
WATERSHED	18. TOTAL DRAINAGE AREA 0.045 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 19 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.045 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						
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.			
	1947	--	--	--	--	0.37	2.45	54.4			
	1/7/53	5	5	Range Detailed	3	0.37	2.32	51.5			
	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		
	1/7/53	0.130	0.026	0.578	0.130		0.026		0.578		
	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				
1/7/53	55*	692.38	692.38	1.06	5.31	--	--				

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  
 \* Estimated

U.S. Dept. of Agriculture  
 Soil Conservation Service  
 Portland, Oregon

48. AGENCY SUPPLYING DATA

49. DATE Nov. 15, 1954