

RESERVOIR SEDIMENTATION
DATA SUMMARY

Lake Hemet

NAME OF RESERVOIR

70-9

DATA SHEET NO.

DAM	1. OWNER Lake Hemet Water Co.			2. RIVER Trib. San Jacinto			3. STATE California			
	4. SEC. 7 TWP. 6 S RANGE 3 E			5. NEAREST TOWN Hemet			6. COUNTY Riverside			
	7. STREAM BED ELEV. 4,201			8. TOP OF DAM ELEV. 4,336			9. SPILLWAY CREST ELEV. 4,334			
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					1892				
	b. POWER									
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION	4,334	470	14,000	14,000					
	e. CONSERVATION									
f. INACTIVE										
17. LENGTH OF RESERVOIR 2.0			MILES			AV. WIDTH OF RESERVOIR			MILES	
WATERSHED	18. TOTAL DRAINAGE AREA 66			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 20			INCHES
	19. NET SEDIMENT CONTRIBUTING AREA 65.3			SQ. MI.			23. MEAN ANNUAL RUNOFF			INCHES
	20. LENGTH			MILES			AV. WIDTH			MILES
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION Semi-arid			
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.		
	1892	-	-	-	-	470	14,000	212		
	June 1940	48	48	Recon.	364 soundings 80 spuddings	470	11,702	177		
	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			
	June 1940	2,298	47.9	0.73	2,298	47.9	0.73			
	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			
June 1940	75*	1,190	1,190	0.34	16.4					

* Assumed

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
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

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

48. AGENCY SUPPLYING DATA Portland, Oregon 49. DATE August 29, 1950