

RESERVOIR SEDIMENTATION
DATA SUMMARY

Ruby-Upper Debris Basin

70- 78

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. RIVER Ruby Canyon			3. STATE California									
	4. SEC. TWP.		RANGE		5. NEAREST TOWN Sierra Madre			6. COUNTY Los Angeles								
	7. STREAM BED ELEV.			8. *TOP OF DAM ELEV. 980			9. *SPILLWAY CREST ELEV. 980.0									
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															
	b. POWER															
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE										Jan 54					
WATERSHED	17. *LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES					
	18. TOTAL DRAINAGE AREA			.21		SQ. MI.		22. MEAN ANNUAL PRECIPITATION			24.6 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA			.21		SQ. MI.		23. MEAN ANNUAL RUNOFF			INCHES					
	20. LENGTH		.93 MILES		AV. WIDTH		.26 MILES		24. MEAN ANNUAL RUNOFF			AC.-FT.				
	21. MAX. ELEV.		2,450		MIN. ELEV.		980		25. CLIMATIC CLASSIFICATION 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.	
	Sep 59 Sep 61		5.8 2.0		5.8 7.8											
	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			
	Sep 59 Sep 61		21.84 11.39		No record of inflow											
	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.-YR.		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YR.			
	Sep 59 Sep 61		6.4 .12		1.1 .06		5.2 .29		6.4 6.52		1.1 .84		5.2 3.98			
	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. TO DATE		a. PERIOD		b. TO DATE	

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

* Items 8 & 9 - Road embankment forms combined dam and spillway.

Item 17 - No dimensions available.

Item 32 - Debris basin capacity varies. Debris excavated at various times.

48. AGENCY SUPPLYING DATA LACFCD & C of E

49. DATE 18 Jan 62