

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

Santa Felicia

NAME OF RESERVOIR

71-40

DATA SHEET NO.

DAM	1. OWNER UnitedWaterConserv. Dist.		2. STREAM Piru Creek		3. STATE California													
	4. SEC. 3 TWP. 4N RANGE 18W		5. NEAREST P.O. Piru		6. COUNTY Ventura													
	7. LAT. ° ' " LONG. ° ' "		8. TOP OF DAM ELEVATION 1,075		9. SPILLWAY CREST ELEV. 1,055													
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-FEET		14. GROSS STORAGE, ACRE-FEET		15. DATE STORAGE BEGAN							
	a. FLOOD CONTROL										16. DATE NORMAL OPER. BEGAN							
	b. MULTIPLE USE																	
	c. POWER																	
	d. WATER SUPPLY																	
	e. IRRIGATION		1,055		1,240		101,200		101,200									
	f. CONSERVATION																	
	g. INACTIVE																	
17. LENGTH OF RESERVOIR		4.3		MILES		AV. WIDTH OF RESERVOIR				MILES								
WATERSHED	18. TOTAL DRAINAGE AREA		425		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		12 to 24+		INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA		425		SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES							
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.							
	21. MAX. ELEV.		8,831		MIN. ELEV.		870		25. ANNUAL TEMP: MEAN		RANGE							
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/I. RATIO, AC.-FT. PER AC.-FT.			
	Oct. 1955				--		--		--		1,240		101,200					
	Oct. 1965		10.0		10.0		Range		15		1,240		98,730					
	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 CAPACITY LOSS, 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. 1965		2,470		247		247		0.58		0.58		2,470		247		0.58	
	26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. MI.-YR.		41. STORAGE LOSS, PCT.		42. SED. INFLOW, PPM		a. PERIOD		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
	Oct. 1965		52		658		658		0.24		2.44		--		--		--	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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

Scott, K. M., Ritter, J. R., and Knott, J. M., 1968, Sedimentation in the Piru Creek watershed, southern California: U.S. Geol. Survey Water-Supply Paper 1798-E, 48 p.

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA U.S. Geol. Survey, Water Resources Div. 50. DATE August 1971