

RESERVOIR SEDIMENT DATA SUMMARY

Chesbro  
NAME OF RESERVOIR

72 - 36  
DATA SHEET NO.

DAM	1. OWNER Santa Clara County		2. STREAM Llagas Creek		3. STATE California			
	4. SEC. 25 TWP. 9S RANGE 2E		5. NEAREST P.O. Morgan Hill		6. COUNTY Santa Clara			
	7. LAT. 37° 6' 54" LONG. 121° 41' 38"		8. TOP OF DAM ELEVATION 535		9. SPILLWAY CREST ELEV. 525			
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					1955		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION	525	275	7630	7630	1955		
	g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 2.24 MILES		AV. WIDTH OF RESERVOIR 0.19 MILES					
	18. TOTAL DRAINAGE AREA 18.9 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 19 - 40 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 18.47 SQ. MI.		23. MEAN ANNUAL RUNOFF 7 INCHES					
	20. LENGTH 10.6 MILES		AV. WIDTH 1.78 MILES		24. MEAN ANNUAL RUNOFF 7055 AC.-FT.			
	21. MAX. ELEV. 3562		MIN. ELEV. 438		25. ANNUAL TEMP.: MEAN 58 RANGE 20 - 116			
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.
	1955	--	--	--	----	275	7630	1.08
	Dec. 1976	21	21	Range	18	275	7460	1.06
	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	
	Dec. 1976	170	8.1	0.437	170	8.1	0.437	
	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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
Dec. 1976	65*	620.5	620.5	0.106	2.228			

\* Assumed

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														
Dec. 1976	$\frac{2.7}{1}$	$\frac{4.1}{2}$	$\frac{2.6}{3}$	$\frac{4.6}{4}$	$\frac{2.4}{5}$	$\frac{2.9}{6}$	$\frac{2.5}{7}$	$\frac{1.6}{8}$	$\frac{2.9}{9}$	$\frac{4.2}{10}$	$\frac{3.8}{11}$	$\frac{2.4}{12}$	$\frac{4.0}{13}$	$\frac{7.3}{14}$	$\frac{1.6}{15}$
	$\frac{7.7}{16}$	$\frac{16.8}{17}$	$\frac{24.2}{18}$	$\frac{1.7}{19}$											
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. 10 F. Conservation - used as ground water recharge 2. 13 F. Includes 110 ac. ft. of sediment storage 3. 23 - From USGS map annual runoff in the conterminous U.S. (1966)															
48. AGENCY MAKING SURVEY Soil Conservation Service														49. AGENCY SUPPLYING DATA Soil Conservation Service	
														50. DATE 1/3/77	