

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Chatsworth Reservoir 1/  
NAME OF RESERVOIR

70-8

DATA SHEET NO.

DAM	1. OWNER <b>City of Los Angeles</b>			2. RIVER <b>Tributary Los Angeles</b>			3. STATE <b>California</b>			
	4. SEC. <b>25</b> TWP. <b>2 N</b> RANGE <b>17 W</b>			5. NEAREST TOWN <b>San Fernando</b>			6. COUNTY <b>Los Angeles</b>			
	7. STREAM BED ELEV. <b>857</b>			8. TOP OF DAM ELEV. <b>898</b>			9. SPILLWAY CREST ELEV. <b>887</b>			
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				
	d. FLOOD CONTROL					<b>April 1918</b>				
	b. POWER									
	c. WATER SUPPLY	<b>887</b>	<b>607</b>	<b>10,125</b>	<b>10,125</b>	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR <b>2.3</b> MILES			AV. WIDTH OF RESERVOIR MILES						
	18. TOTAL DRAINAGE AREA <b>5.40</b> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <b>16</b> INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA <b>4.45</b> SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF AC.- FT.					
	21. MAX. ELEV. <b>2,320</b>		MIN. ELEV. <b>857</b>		25. CLIMATIC CLASSIFICATION <b>Semi-arid</b>					
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.		
	<b>April 1918</b>	-	-	-	-	<b>607</b>	<b>10,125</b>	<b>2,275</b>		
	<b>June 1939</b>	<b>21</b>	<b>21</b>	<b>Range Recon.</b>	<b>7</b>	<b>607</b>	<b>10,077</b>	<b>2,264</b>		
	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			
	<b>June 1939</b>	<b>48</b>	<b>2.29</b>	<b>0.51</b>	<b>48</b>	<b>2.29</b>	<b>0.51</b>			
	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			
<b>June 1939</b>	<b>40*</b>	<b>444</b>	<b>444</b>	<b>0.02</b>	<b>0.47</b>					

1/ Regulating and storage reservoir of Owens Valley aqueduct, supplying City of Los Angeles.

\* 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

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Chatsworth Reservoir 1/  
NAME OF RESERVOIR

70-8a

DATA SHEET NO.

DAM	1. OWNER City of Los Angeles			2. RIVER Tributary Los Angeles			3. STATE California			
	4. SEC. 25 TWP. 2 N RANGE 17 W			5. NEAREST TOWN San Fernando			6. COUNTY Los Angeles			
	7. STREAM BED ELEV. 857			8. TOP OF DAM ELEV. 898			9. SPILLWAY CREST ELEV. 887			
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					April 1918				
	b. POWER									
	c. WATER SUPPLY	887	607	10,125	10,125	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR 2.3 MILES			AV. WIDTH OF RESERVOIR MILES						
	18. TOTAL DRAINAGE AREA 5.40 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 16 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 4.45 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH MILES			AV. WIDTH MILES			24. MEAN ANNUAL RUNOFF AC-FT.			
	21. MAX. ELEV. 2,320			MIN. ELEV. 857			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.		
	April 1918	-	-	-	-	607	10,125	1875		
	June 1939	21	21	Range Recon.	7	607	10,077	1866		
	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			
	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 1939	40*	444	444	0.02	0.47				

1/ Regulating and storage reservoir of Owens Valley aqueduct, supplying City of Los Angeles.

\* 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	-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

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

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