

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

McClure Debris Basin

NAME OF RESERVOIR

70-76a

DATA SHEET NO.

DAM	1. OWNER <b>LACPCD</b>		2. STREAM <b>McClure Canyon</b>		3. STATE <b>California</b>			
	4. SEC. <b>Land</b> TWP. <b>Grant</b> RANGE		5. NEAREST P.O. <b>Burbank</b>		6. COUNTY <b>Los Angeles</b>			
	7. LAT <b>34° 12' 30"</b> LONG <b>118° 19' 35"</b>		8. TOP OF DAM ELEVATION <b>969</b>		9. SPILLWAY CREST ELEV. <b>960.0</b>			
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							
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN  <b>Dec 1953</b>		
	e. IRRIGATION							
	f. CONSERVATION							
	g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR <b>1/2</b> MILES			AV. WIDTH OF RESERVOIR MILES				
	18. TOTAL DRAINAGE AREA <b>0.62</b> SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>15.97</b> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <b>0.62</b> SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH <b>1.11</b> MILES	AV. WIDTH <b>0.91</b> MILES	24. MEAN ANNUAL RUNOFF AC.-F.T.					
	21. MAX. ELEV. <b>2270</b>	MIN. ELEV. <b>944.3</b>	25. ANNUAL TEMP. MEAN <b>62.2°</b> RANGE <b>48.8°-75.6°</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/I. RATIO, AC.-FT. PER AC.-FT.
	<b>Sep 59</b>	<b>5.8</b>	<b>5.8</b>					
	<b>Sep 61</b>	<b>2.0</b>	<b>7.8</b>					
	<b>Sep 65</b>	<b>4.0</b>	<b>11.8</b>					
	<b>Sep 66</b>	<b>1.0</b>	<b>12.8</b>					
	<b>Sep 67</b>	<b>1.0</b>	<b>13.8</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	
	<b>Sep 59</b>	<b>14.14</b>	<b>No record of inflow</b>					
	<b>Sep 61</b>	<b>6.69</b>						
	<b>Sep 65</b>	<b>12.65</b>						
	<b>Sep 66</b>	<b>20.18</b>						
	<b>Sep 67</b>	<b>24.61</b>						
	26. DATE OF SURVEY	37. <b>4/</b> 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	
<b>Sep 59</b>	<b>23.9</b>	<b>4.1</b>	<b>6.6</b>	<b>23.9</b>	<b>4.1</b>	<b>6.6</b>		
<b>Sep 61</b>	<b>11.5</b>	<b>5.75</b>	<b>9.27</b>	<b>35.4</b>	<b>4.54</b>	<b>7.32</b>		
<b>Sep 65</b>	<b>7.2</b>	<b>1.80</b>	<b>2.90</b>	<b>42.6</b>	<b>3.61</b>	<b>5.82</b>		
<b>Sep 66</b>	<b>6.2</b>	<b>6.20</b>	<b>10.0</b>	<b>48.8</b>	<b>3.81</b>	<b>6.14</b>		
<b>Sep 67</b>	<b>5.9</b>	<b>5.90</b>	<b>9.52</b>	<b>54.7</b>	<b>3.96</b>	<b>6.39</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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	

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															
<p>1/ Item 17 - No dimensions available.</p> <p>2/ Item 25 - Temperature taken at Pasadena, California.</p> <p>3/ Item 32 - Debris basin capacity varies. Debris excavated at various times.</p> <p>4/ Item 37 - Sediment values computed by IACFCD are based on complete water year.</p>															
48. AGENCY MAKING SURVEY				IACFCD											
49. AGENCY SUPPLYING DATA				C of E											
50. DATE							6 Feb 68								