

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Harrow Debris Basin
NAME OF RESERVOIR

70-94

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Harrow Canyon			3. STATE California						
	4. SEC. 19 TWP. IN RANGE 9W			5. NEAREST P. O. Glendora			6. COUNTY Los Angeles						
	7. LAT 34° 09' 22" LONG 117° 51' 40"			8. TOP OF DAM ELEVATION 1277.2			9. SPILLWAY CREST ELEV. 1269.0						
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 Sep 58		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY												
	e. IRRIGATION												
	f. CONSERVATION												
	g. INACTIVE												
17. LENGTH OF RESERVOIR 0.063		MILES		AV. WIDTH OF RESERVOIR 0.046		MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 0.43			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 25.2			INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 0.43			SQ. MI.			23. MEAN ANNUAL RUNOFF			INCHES			
	20. LENGTH 0.871		MILES		AV. WIDTH 0.894		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.		
	21. MAX. ELEV. 2675.0			MIN. ELEV. 1254.8			25. ANNUAL TEMP. MEAN 62.2° RANGE 48.8° - 75.6°						
	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.
Sep 69		11	11										
Sep 70		1	12										
SURVEY DATA	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 69		43.31		No record of inflow								
	Sep 70		16.07										
26. DATE OF SURVEY		37. 3 / 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		
Sep 69		32.0	2.91		6.77		32.0		2.91		6.77		
Sep 70		7.01	7.01		16.30		39.0		3.25		7.56		
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
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

1/ Item 25 - Temperature taken at Pasadena, Calif.
 2/ Item 32 - Capacity of debris varies. Debris excavated at various times.
 3/ Item 37 - Sedimentation values computed by LACFCD are based on complete water year.

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

HARROW DEBRIS BASIN

NAME OF RESERVOIR

70-94a
DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Harrow Canyon			3. STATE California												
	4. SEC. 19 TWP. 1N RANGE 9W			5. NEAREST P.O. Glendora			6. COUNTY Los Angeles												
	7. LAT. 34°09'22" LONG. 117°51'40"			8. TOP OF DAM ELEVATION 1277.2			9. SPILLWAY CREST ELEV. 1269.0												
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								
	e. IRRIGATION										Sep 58								
	f. CONSERVATION																		
	g. INACTIVE																		
17. LENGTH OF RESERVOIR 0.063 MILES				AV. WIDTH OF RESERVOIR 0.045 MILES															
WATERSHED	18. TOTAL DRAINAGE AREA 0.43 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 25.2 INCHES														
	19. NET SEDIMENT CONTRIBUTING AREA 0.43 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES														
	20. LENGTH 0.871 MILES		AV. WIDTH 0.494 MILES		24. MEAN ANNUAL RUNOFF AC.-F.T.														
	21. MAX. ELEV. 2675.0		MIN. ELEV. 1254.8		25. ANNUAL TEMP. MEAN 62.2° RANGE 48.8°-75.6°														
	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, 2/ACRE-FEET		33. C/I. RATIO, AC.-FT PER AC.-FT.				
Sep 69		11		11															
Sep 70		1		12															
Sep 79		9		21															
SURVEY DATA	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 69		43.31		No record of inflow.														
	Sep 70		16.07																
	Sep 79		18.58																
26. DATE OF SURVEY		37. 3/ 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														
Sep 69		32.0			2.91			6.77			32.0			2.91			6.77		
Sep 70		7.01			7.01			16.30			39.0			3.25			7.56		
Sep 79		0.62			0.07			0.16			39.62			1.89			4.40		
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											

25. 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
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														
<u>1</u> /Item 25 - Temperature taken at Pasadena, California. <u>2</u> /Item 32 - Capacity of debris varies. Debris excavated at Various times. <u>3</u> /Item 37 - Sedimentation values computed by LACFCD are based on complete water year.														
48. AGENCY MAKING SURVEY LACFCD														
49. AGENCY SUPPLYING DATA C of E														
50. DATE 14 February 1980														