RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

SAWPIT DEBRIS DAM
NAME OF RESERVOIR

70-80a
DATA SHEET NO.

DAM

1. OWNER LACFCD	2. STREAM Sawpit Wash	3. STATE Calif
4. SEC. 13 TWP. 1N RANGE 11W	5. NEAREST P.O. Monrovia	6. COUNTY Los Angeles
7. LAT. 34° 10′ 05″ LONG. 117° 59′ 29″	8. TOP OF DAM ELEVATION 1,000	9. SPILLWAY CREST ELEV. 981.8

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					
f. CONSERVATION					Jan 55
g. INACTIVE					

17. LENGTH OF RESERVOIR .03 MILES | AV. WIDTH OF RESERVOIR .02 MILES

WATERSHED

18. TOTAL DRAINAGE AREA 6.34 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 28.77 INCHES
19. NET SEDIMENT CONTRIBUTING AREA 2.84 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES
20. LENGTH 3.2 MILES	AV. WIDTH 3.0 MILES	24. MEAN ANNUAL RUNOFF AC.-FT.
21. MAX. ELEV. 5,400	MIN. ELEV. 981.8	25. ANNUAL TEMP. MEAN 62.2° RANGE 48.8°-75.6°

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 2/	33. C/I. RATIO, AC.-FT. PER AC.-FT.
Sep 59	4.67	4.67					
Sep 62	3.0	7.67					
Sep 69	7.0	14.67					

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 59	26.05	No record of inflow				
Sep 62	21.72					
Sep 69	33.12					

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 59	62.8	13.1	4.6	62.8	13.1	4.6
Sep 62	58.8	19.6	6.9	121.6	15.6	5.5
Sep 69	195.5	27.9	9.82	317.0	21.6	7.6

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

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

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

48. AGENCY MAKING SURVEY LACFCD

49. AGENCY SUPPLYING DATA C of E

50. DATE 26 Jan 70