



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

Watershed runoff is measured at upper end of reservoir which area is 2.2 acres less than debris yielding area into reservoir.

Two major storms in year 1961 are not included in debris data.

1/ Five years prior to 1-7-66.

48. AGENCY MAKING SURVEY    USDA-F.S.  
 49. AGENCY SUPPLYING DATA    USDA-F.S.  
 50. DATE    8-10-66



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

1/ Cross-sectioning or volumetric measurements; Ranges or contours not used.

2/ Highest seasonal rainfall on record in 42 years.

\* Mean Monthly Range.

48. AGENCY MAKING SURVEY    USDA - FS

49. AGENCY SUPPLYING DATA    USDA - FS

50. DATE    10-21-71

RESERVOIR SEDIMENT

DATA SUMMARY

SCS-34 Rev. 6-66

Bell IV (0804)

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

70-88a  
DATA SHEET NO.

DAM	1. OWNER	USDA - F.S.	2. STREAM	Bell Creek	3. STATE	California
	4. SEC.	1	TWP.	1N	RANGE	9 W
	5. NEAREST P.O.	Glendora, 7 NE		6. COUNTY	Los Angeles	
	7. LAT.	34° 11' 57"	LONG	117° 46' 57"	8. TOP OF DAM ELEVATION	2452.5'
					9. SPILLWAY CREST ELEV.	2450'

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					
	e. IRRIGATION					
	f. CONSERVATION					
	16. DATE NORMAL OPER. BEGAN	8-17-1935				
	17. LENGTH OF RESERVOIR	144 Feet	XXXX	AV. WIDTH OF RESERVOIR	58 Feet	XXXX

WATERSHED	18. TOTAL DRAINAGE AREA	39.2 Acres	XXXX	32. MEAN ANNUAL PRECIPITATION	27.08 (53)	INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA	39.2 Acres	XXXX	23. MEAN ANNUAL RUNOFF	3.01 (21)	INCHES	
	20. LENGTH	2265 Feet	XXXX	24. MEAN ANNUAL RUNOFF	9.83 (21)	AC-FT.	
	21. MAX. ELEV.	3550 Feet	MIN. ELEV.	2430 Feet	25. ANNUAL TEMP: MEAN	58°	RANGE

SURVEY DATA	25. 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.
	Beg. 1-07-66	-	0	See Remark 1/		8000 Sq. ft.	100,000 cu. ft.	
	12-20-66	.96	.96					
	10-01-68	1.86	2.82					
	3-04-69	.43	3.25					
	7-30-70	1.41	4.66					

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
	12-20-66	26.37					
	10-01-68	25.55					
	3-04-69	140.54 <sup>2/</sup>					
7-30-70	15.29						

SURVEY DATA	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
		cu. yd.	cu. yd.	Acre/year	cu. yd.	cu. yd.	Acre/year
	12-20-66	109.79	114.36	2.92	109.79	114.36	2.92
	10-01-68	0	0	0	109.79	39.92	1.02
	3-04-69	1682.72	4038.53	103.02	1792.51	551.54	14.07
7-30-70	2.53	1.79	0.05	1795.04	391.64	9.99	
	See Remarks	3/					

SURVEY DATA	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

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	-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/ Cross-sectioning or volumetric measurements; ranges or contours not used.

2/ 58.56" in 5 months expressed as an annual amount. Total year was 62.80", the highest seasonal rainfall on record for 53 years.

3/ A resurvey was attempted in 1980 but not all cross-section locations could be verified. Survey will be made after cross-sections are reestablished.

\* Mean monthly range

48. AGENCY MAKING SURVEY      USDA - FS

49. AGENCY SUPPLYING DATA      USDA - FS

50. DATE      02-22-82