

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-62

Caspar Creek- North Fork 1/

NAME OF RESERVOIR

NORTH  
U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

72-27  
DATA SHEET NO.

DAM	1. OWNER Calif. Div. of Forestry		2. STREAM Caspar Creek		3. STATE Calif.					
	4. SEC. 3 TWP. 17N RANGE 17W		5. NEAREST TOWN Caspar, Calif.		6. COUNTY Mendocino					
	7. STREAM BED ELEVATION		8. TOP OF DAM ELEVATION 251		9. SPILLWAY CREST ELEV. 245 2/					
RESERVOIR	10. STORAGE ALLOCATION 1/	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. MULTIPLE USE					11-11-1962				
	b. FLOOD CONTROL									
	c. POWER									
	d. WATER SUPPLY									
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN				
	f. CONSERVATION					11-11-62				
	g. SEDIMENT									
h. INACTIVE										
17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR		MILES				
WATERSHED	18. TOTAL DRAINAGE AREA		1.92	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		45 3/	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		1.92	SQ. MI.	23. MEAN ANNUAL RUNOFF		2077 3/	INCHES		
	20. LENGTH	2.21	MILES	AV. WIDTH	0.869	MILES	24. MEAN ANNUAL RUNOFF		2127 3/	AC.-FT.
	21. MAX. ELEV.	1000 ft.	MIN. ELEV.		25. CLIMATIC CLASSIFICATION				Subhumid	
	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.		
Nov. 11, 1962			D			0.645 (1040 cu. yds.)				
Aug. 22, 1963	0.78	0.78	D							
July 7, 1964	0.87	1.65	D							
June 2, 1965	0.90	2.55	D							
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			
	Aug. 22, 1963	44	2044	2044	2041	2044	2041			
	July 7, 1964	34	1334	1334	1329	1689	3370			
	June 2, 1965	53	2777	2777	2743	2052	6113			
	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			
	Aug. 22, 1963	0.076 3/ (122 yds.) 3/	0.0973/ (156 yds.) 3/	0.050 3/ (81 yds.) 3/	0.076 3/ (122 yds.) 3/	0.097 3/ (156 yds.) 3/	0.050 3/ (81 yds.) 3/			
	July 7, 1964	0.082 3/ (132 yds.) 3/	0.094 3/ (152 yds.) 3/	0.049 3/ (79 yds.) 3/	0.157 3/ (254 yds.) 3/	0.095 3/ (154 yds.) 3/	0.050 3/ (80 yds.) 3/			
	June 2, 1965	0.808 3/ (1303 yds.) 3/	0.898 3/ (1448 yds.) 3/	0.467 3/ (754 yds.) 3/	0.965 3/ (1557 yds.) 3/	0.379 3/ (611 yds.) 3/	0.197 3/ (318 yds.) 3/			
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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE			
Aug. 22, 1963										
July 7, 1964										
June 2, 1965										

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

1/ Experimental watershed.  
 2/ Bottom of V-notch weir.  
 3/ Based on 3 years records.

48. AGENCY MAKING SURVEY    USDA - Forest Service  
 49. AGENCY SUPPLYING DATA    USDA - Forest Service

50. DATE Aug. 26, 1966



26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION												
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													

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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/ Flood and sediment research facility.

2/ Detailed cross section survey made each summer.

3/ Values in cubic yards.

48. AGENCY MAKING SURVEY California Division of Forestry  
 49. AGENCY SUPPLYING DATA U.S. Forest Service  
 50. DATE 09 22 71

