

RESERVOIR SEDIMENT
DATA SUMMARY
SCS-34 Rev. 6-62

CASPAR CREEK - SOUTH FORK 1/
NAME OF RESERVOIR

SOUTH
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

72-26

DATA SHEET NO.

DAM	1. OWNER Calif. Div. of Forestry		2. STREAM Caspar Creek		3. STATE Calif.					
	4. SEC. 16 TWP. 17N RANGE 17W		5. NEAREST TOWN Caspar, Calif.		6. COUNTY Mendocino					
	7. STREAM BED ELEVATION -		8. TOP OF DAM ELEVATION 161		9. SPILLWAY CREST ELEV. 155 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					11-3-1962				
	b. FLOOD CONTROL									
	c. POWER									
	d. WATER SUPPLY						16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION									
	f. CONSERVATION									
	g. SEDIMENT						11-3-62			
	h. INACTIVE									
17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR		MILES				
WATERSHED	18. TOTAL DRAINAGE AREA		1.63	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		45 3/	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		1.63	SQ. MI.	23. MEAN ANNUAL RUNOFF		21.52	INCHES		
	20. LENGTH	2.70	MILES	AV. WIDTH	0.604	MILES	24. MEAN ANNUAL RUNOFF		1871 3/	AC.-FT.
	21. MAX. ELEV.		1057 ft.	MIN. ELEV.		25. CLIMATIC CLASSIFICATION			Subhumid	
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/W RATIO AC.-FT. PER SQ. MI.		
	Nov. 3, 1962			D			0.643 (1037 cu.yds.)			
	Aug. 23, 1963	0.80	0.80	D						
	July 6, 1964	0.87	1.67	D						
	June 4, 1965	0.91	2.58	D						
	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. 23, 1963	44	1829	1829	1827	1829	1827			
	July 6, 1964	34	1189	1189	1221	1509	3048			
	June 4, 1965	48	2413	2413	2371	1810	5419			
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. 23, 1963	0.0873/ (141 yds.)	0.1093/ (176 yds.)	0.0673/ (108 yds.)	0.0873/ (141 yds.)	0.1093/ (176 yds.)	0.0673/ (108 yds.)				
July 6, 1964	0.045 3/ (73 yds.)	0.052 3/ (84 yds.)	0.0323/ (51 yds.)	0.133 3/ (214 yds.)	0.0793/ (128 yds.)	0.0483/ (78 yds.)				
June 4, 1965	0.223 3/ (360 yds.)	0.2453/ (396 yds.)	0.151 3/ (243 yds.)	0.356 3/ (574 yds.)	0.138 3/ (222 yds.)	0.084 3/ (136 yds.)				
26. DATE OF SURVEY	39. AV. DRY WGT. LBS. PER CU. FT.	40. SED. DEP. TONS PERSQ. 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. 23, 1963										
July 6, 1964										
June 4, 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	-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/ 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

**RESERVOIR SEDIMENT
DATA SUMMARY**

Caspar Creek
South Fork

SCS-34 Rev. 6-66

NAME OF RESERVOIR

72-26a

DATA SHEET NO.

DAM	1. OWNER Calif. Div. Forestry		2. STREAM Caspar Creek		3. STATE California					
	4. SEC. 16 TWP. 17N RANGE 17W		5. NEAREST P. O. Fort Bragg		6. COUNTY Mendocino					
	7. LAT 39° 21' N " LONG 123° 43' "		8. TOP OF DAM ELEVATION		9. SPILLWAY CREST ELEV.					
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					Fall, '62				
	b. MULTIPLE USE	1/								
	c. POWER									
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION					Fall, '62				
	f. CONSERVATION									
	g. INACTIVE									
17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR		MILES				
WATERSHED	18. TOTAL DRAINAGE AREA		1.63	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		44.56	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		1.63	SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES		
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF		1828	AC.-FT.
	21. MAX. ELEV.		1000	MIN. ELEV.		275	25. ANNUAL TEMP.: MEAN		RANGE	
	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.		
Annual beginning Summer '63 to Summer '70	1.0 1.0	0. 8.0	Detailed Cross Sections	2/						
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				
	10-1-63	43.73			1830					
	64	33.75			1189					
	65	48.39			2412					
	66	38.55			1741					
	67	50.82			2372					
		cont.			cont.					
	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			
Summer 63	141		.054							
64	73		.028							
65	365	3/	.139							
66	314		.119							
67	178		.063							
	cont.									
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/ 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

