

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Babe Wood
NAME OF RESERVOIR

72-23
DATA SHEET NO.

| | | | | | | | | | |
|------------------------------------|---|---|------------------------------------|--|--|---------------------------------|-------------------------------|-----------------------------------|--|
| DAM | 1. OWNER Babe Wood | | | 2. STREAM Trib. Dry Creek | | | 3. STATE California | | |
| | 4. SEC. 23 TWP. 12 N RANGE 12W | | | 5. NEAREST TOWN Cloverdale | | | 6. COUNTY Mendocino | | |
| | 7. STREAM BED ELEVATION 682 | | | 8. TOP OF DAM ELEVATION 709 | | | 9. SPILLWAY CREST ELEV. 703.7 | | |
| 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. MULTIPLE USE | | | | | October 1958 | | | |
| | b. FLOOD CONTROL | | | | | | | | |
| | c. POWER | | | | | | | | |
| | d. WATER SUPPLY | | | | | 16. DATE NORMAL OPER. BEGAN | | | |
| | e. IRRIGATION | 703.7 | 4.02 | 54.85 | 54.85 | October 1958 | | | |
| | f. CONSERVATION | | | | | | | | |
| | g. SEDIMENT | | | | | | | | |
| h. INACTIVE | | | | | | | | | |
| 17. LENGTH OF RESERVOIR 0.31 MILES | | | AV. WIDTH OF RESERVOIR 0.02 MILES | | | | | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA (1082 acres) 1.69 SQ. MI. | | | 22. MEAN ANNUAL PRECIPITATION (70 yrs) 46 INCHES | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 1.68 SQ. MI. | | | 23. MEAN ANNUAL RUNOFF 22 INCHES | | | | | |
| | 20. LENGTH 1.59 MILES | | AV. WIDTH 1.06 MILES | | 24. MEAN ANNUAL RUNOFF 1998 ^{1/} AC.-F.T. | | | | |
| | 21. MAX. ELEV. 1609 | | MIN. ELEV. 682 | | 25. CLIMATIC CLASSIFICATION humid | | | | |
| 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. | |
| | 10-58 ^{2/} | - | - | - | - | 4.02 | 54.85 | 32.46 | |
| | 11-1-65 | 7 | 7 | Range (D) | 12 ranges | 4.02 | 46.76 | 27.67 | |
| | 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 | | |
| | 11-1-65 | 46 in. | 1998 ^{1/} | 32.82 | 13,986 | 1998 | 13,986 | | |
| | 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 | | |
| | 11-1-65 | 8.09 | 1.16 | 0.69 ^{3/} | 8.09 | 1.16 | 0.69 ^{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 | | |
| 11-1-65 | 78.90 ^{4/} (4) | 1186 | 1186 | 2.11 | 14.75 | 731 | 731 | | |

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

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|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 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 | | | | | | | | | | | | | | |
| 11-1-65 | 12.5 | 30.2 | 26.5 | 8.7 | 6.3 | 2.5 | 4.8 | 5.0 | 1.8 | 1.6 | | | | | |

| 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 23, 24, 35 and 36 are based on U.S. Geological Survey stream flow records for the 7 year period 1958-1965.
2/Original data obtained during 1965 survey.
3/Total yield from watershed computed to be 1.05 ac.ft./sq.mi./yr. using trap efficiency of 65 percent.
4/All 4 samples of reservoir sediment were disturbed but had classification tests. Following assumed values were used and are based on undisturbed reservoir sediment samples from other reservoirs in Dry Creek watershed: ML-75 lb./cu.ft., SM-90 lb./cu.ft., GW-105 lb./cu.ft.

48. AGENCY MAKING SURVEY USDA, Soil Conservation Service; Berkeley, California.
49. AGENCY SUPPLYING DATA
50. DATE 12/15/65

Geology: Coastal Belt of Franciscan Formation, Upper Jurassic and Cretaceous sandstone, shale and minor conglomerate.
Land use: Brush 43%; Woodland 51%; Grass 6%.