

RESERVOIR SEDIMENTATION
DATA SUMMARY

Bullards Bar
NAME OF RESERVOIR

72 - 5

DATA SHEET NO.

| | | | | | | | | | | | | | | | | | | |
|--------------------|---|---------------------------------|------------------------------------|---|-----------------------------------|-----------------------------|---------------------------------|---------------|--|-------------------------------|--|---------------------|-----------------------------|--|--|-----------|--|--|
| DAM | 1. OWNER Pacific Gas & Electric Co. | | | 2. RIVER North Yuba River | | | 3. STATE California | | | | | | | | | | | |
| | 4. SEC. 24 TWP. 18N RANGE 7E | | | 5. NEAREST TOWN Camptonville | | | 6. COUNTY Yuba | | | | | | | | | | | |
| | 7. STREAM BED ELEV. 1,425 | | | 8. TOP OF DAM ELEV. 1,615 | | | 9. SPILLWAY CREST ELEV. 1,600 | | | | | | | | | | | |
| RESERVOIR | 10. STORAGE ALLOCATION | 11. ELEVATION TOP OF POOL | 12. SURFACE AREA ACRES | 13. STORAGE ACRE- FEET | 14. ACCUMULATED ACRE- FEET | 15. DATE STORAGE BEGAN | | | | | | | | | | | | |
| | a. FLOOD CONTROL | | | | | | | | | | | | | | | | | |
| | b. POWER | 1,600 | 500 | 31,500 1/ | 31,500 | Oct. 1919 | | | | | | | | | | | | |
| | c. WATER SUPPLY | | | | | | | | | | | | | | | | | |
| | d. IRRIGATION | | | | | 16. DATE NORMAL OPER. BEGAN | | | | | | | | | | | | |
| | e. CONSERVATION | | | | | | | | | | | | | | | | | |
| | f. INACTIVE | | | | | | | | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR | | | MILES | | | AV. WIDTH OF RESERVOIR | | | MILES | | | | | | | | |
| | 18. TOTAL DRAINAGE AREA | | | 480 | | | SQ. MI. | | | 22. MEAN ANNUAL PRECIPITATION | | | 65 - 75 | | | INCHES | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | | 479 | | | SQ. MI. | | | 23. MEAN ANNUAL RUNOFF | | | INCHES | | | | | |
| | 20. LENGTH | | | MILES | | | AV. WIDTH | | | MILES | | | 24. MEAN ANNUAL RUNOFF | | | AC.-FT. | | |
| | 21. MAX. ELEV. | | | 7,500 | | | MIN. ELEV. | | | 1,425 | | | 25. CLIMATIC CLASSIFICATION | | | Per 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. | | | | | | |
| | Oct. 1919 | - | - | - | - | 500 | 31,500 | 65.6 | | | | | | | | | | |
| | Jan. 1939 | 19.2 | 19.2 | Range detailed 2/ | 11 | 491 | 28,893 | 60.2 | | | | | | | | | | |
| | 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 | d. MEAN ANNUAL | e. TOTAL TO DATE | | | | | | | | | | | | |
| 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 | d. TOTAL TO DATE | e. AV. ANNUAL | f. PER SQ. MI.-YEAR | | | | | | | | | | | | |
| Jan. 1939 | 2,607 | 136 | 0.284 | 2,607 | 136 | 0.284 | | | | | | | | | | | | |
| 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 | c. AV. ANNUAL | d. TOT. TO DATE | e. PERIOD | f. TOT. TO DATE | | | | | | | | | | | | |
| Jan. 1939 | 70 * | 433 | 433 | 0.43 | 8.28 | | | | | | | | | | | | | |

* Assumed

| | | | | | | | | | | | | | | | |
|---|---|------------|----------------|------------|------------|------------|----------------|----------|-------|--------|----------|------|------|-------------------|------|
| 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 <u>1/</u> Also includes storage for mining debris. <u>2/</u> Reservoir surveys by California Debris Commission. Brown, C. B. and Thorp, E. M. Reservoir sedimentation in the Sacramento-San Joaquin Drainage Basins, California. U. S. Soil Conservation Service, Special Report No. 10, 69 pp., illus., processed. Washington, D. C. July 1947. Region 7, Soil Conservation Service U. S. Dept. of Agriculture Portland, Oregon | | | | | | | | | | | | | | | |
| 48. AGENCY SUPPLYING DATA | | | | | | | | | | | 49. DATE | | | February 19, 1951 | |