

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

LAKE KAWEAH (TERMINUS DAM)

NAME OF RESERVOIR

71-43

DATA SHEET NO.

| | | | | | | | | |
|-----------------------------|--|------------------------------------|------------------------------------|--|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| DAM | 1. OWNER U. S. Army Engineers | | 2. STREAM Kaweah River | | 3. STATE California | | | |
| | 4. SEC. 25 TWP. 17S RANGE 27E | | 5. NEAREST P.O. Lemon Cove | | 6. COUNTY Tulare | | | |
| | 7. LAT. 36° 24' 53" LONG. 119° 00' 07" | | 8. TOP OF DAM ELEVATION 750.0 | | 9. SPILLWAY CREST ELEV. 694.0 | | | |
| 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 | - | - | - | - | April 1961 | | |
| | b. MULTIPLE USE | 694.0 | 1,945 | 141,494 | 149,599 | | | |
| | c. POWER | - | - | - | - | | | |
| | d. WATER SUPPLY | - | - | - | - | 16. DATE NORMAL OPER. BEGAN | | |
| | e. IRRIGATION | - | - | - | - | | | |
| | f. CONSERVATION 1/ | 570.0 | 344 | 7,939 | 8,105 | 1 April 1962 | | |
| | g. INACTIVE | 520.0 | 28 | 166 | 166 | | | |
| 17. LENGTH OF RESERVOIR 5.6 | | MILES | | AV. WIDTH OF RESERVOIR 0.55 | | MILES | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA 560 | | SQ. MI. | | 22. MEAN ANNUAL PRECIPITATION 12-50 | | INCHES | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 560 | | SQ. MI. | | 23. MEAN ANNUAL RUNOFF 12.9 | | INCHES | |
| | 20. LENGTH 29.5 | | MILES | | AV. WIDTH 19.0 | | MILES | |
| | 21. MAX. ELEV. 12,600 | | MIN. ELEV. 507 | | 25. ANNUAL TEMP MEAN*50° | | RANGE * -30 to 115° | |
| | 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 |
| 16 Nov 1961 | 0 | 0 | (D) | 25 | 1,945 | 149,599 | 0.389 | |
| 16 Nov 1967 | 6.0 | 6.0 | (R) | 50M* | 1,945 | 147,099 | 0.382 | |
| 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 | |
| | 16 Nov 1961 | - | - | - | - | - | - | |
| 16 Nov 1967 | 9-83 | 479,900 | 1,024,000 | 2,879,300 | 479,900 | 2,879,300 | | |
| 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 | | |
| 16 Nov 1961 | 0 | - | - | 0 | - | - | | |
| 16 Nov 1967 | 2,500 | 417 | 0.745 | 2,500 | 417 | 0.745 | | |
| 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. ANN. | b. TOT. TO DATE | a. PERIOD | b. TOT. TO DATE | |
| 16 Nov 1961 | - | 0 | 0 | - | 0 | 0 | 0 | |
| 16 Nov 1967 | 62* | 1,006 | 1,006 | 0.28 | 1.67 | 863 | 863 | |

| | | | | | | | | | | | |
|-------------|--|---------|---------|---------|--------|-------|-------|-------|-------|-------|--|
| 43. SURVEY | DEPTH DESIGNATION (FOOT) IN TELL BELOW, AND ABOVE, CREST ELEVATION | | | | | | | | | | |
| | 187-160 | 160-140 | 140-120 | 120-100 | 100-80 | 80-60 | 60-40 | 40-20 | 20-CR | CR-20 | |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION | | | | | | | | | | |
| 16 Nov 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 16 Nov 1967 | 0* | 10* | 40* | 26* | 10* | 5* | 5* | 4* | 0* | | |

| | | | | | | | | | | | | | | | |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 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 | | | | | | | | | | | | | | |
| 16 Nov 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 16 Nov 1967 | 0* | 1* | 10* | 40* | 25* | 10* | 5* | 4* | 2* | 3* | 0* | | | | |

| 45. RANGE IN RESERVOIR OPERATION | | | | | | | |
|----------------------------------|------------|------------|-----------------|------------|------------|------------|-----------------|
| WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. |
| 1962 | 559.2 | 521.2 | 397,000 | | | | |
| 1963 | 663.13 | 549.63 | 490,200 | | | | |
| 1964 | 630.81 | 567.97 | 227,900 | | | | |
| 1965 | 688.96 | 557.23 | 496,500 | | | | |
| 1966 | 649.10 | 564.87 | 246,000 | | | | |
| 1967 | 699.39 | 564.38 | 1,024,000 | | | | |

| 46. ELEVATION-AREA-CAPACITY DATA | | | | | | | | |
|----------------------------------|------|----------|-----------|-------|----------|-----------|-------|----------|
| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
| 507 | 0 | 0 | 570 | 344 | 8,105 | 660 | 1,559 | 89,818 |
| 510 | 5 | 8 | 580 | 436 | 11,996 | 670 | 1,680 | 106,015 |
| 515 | 15 | 58 | 590 | 539 | 16,842 | 680 | 1,795 | 123,423 |
| 520 | 28 | 166 | 600 | 654 | 23,767 | 690 | 1,900 | 141,909 |
| 525 | 43 | 343 | 610 | 839 | 30,162 | 700 | 2,015 | 161,476 |
| 530 | 59 | 598 | 620 | 984 | 39,354 | 710 | 2,140 | 182,213 |
| 540 | 121 | 1,464 | 630 | 1,122 | 49,869 | 720 | 2,284 | 204,327 |
| 550 | 178 | 2,937 | 640 | 1,248 | 61,695 | 730 | 2,422 | 227,856 |
| 560 | 257 | 5,093 | 650 | 1,405 | 74,943 | 740 | 2,560 | 252,766 |

47. REMARKS AND REFERENCES

* Assumed
 1/ Recreation
 Reference: Sedimentation Reconnaissance in Lake Kaweah above Terminus Dam, 11 January 1968.
 Remarks: Major Flood 5-6 December 1966
 Spillway was sandbagged to 8.0 feet above crest during spring and summer 1967. Sediment appears to be mostly sand (16 November 1967 Reconnaissance).

RESERVOIR SEDIMENT
DATA SUMMARY

LAKE KAWEAH (TERMINUS DAM)
NAME OF RESERVOIR

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

71-434
-ONE

DATA SHEET NO.

| | | | | | | | | | | |
|--------------------|--|-------------------------------------|------------------------------------|--|--|----------------------------------|-------------------------------|------------------------------------|--|--|
| DAM | 1. OWNER U.S. Army Engineers | | | 2. STREAM Kaweah River | | | 3. STATE California | | | |
| | 4. SEC. 25 TWP. 17S RANGE 27E | | | 5. NEAREST P.O. Lemon Cove | | | 6. COUNTY Tulare | | | |
| | 7. LAT 36° 24' 53" LONG. 119° 00' 07" | | | 8. TOP OF DAM ELEVATION 750.0 | | | 9. SPILLWAY CREST ELEV. 694.0 | | | |
| 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 | - | - | - | - | April 1961 | | | | |
| | b. MULTIPLE USE | 694.0 | 1,945 | 141,494 | 149,599 | | | | | |
| | c. POWER | - | - | - | - | | | | | |
| | d. WATER SUPPLY | - | - | - | - | | | | | |
| | e. IRRIGATION | - | - | - | - | 16. DATE NORMAL OPER. BEGAN | | | | |
| | f. CONSERVATION 1/ | 570.0 | 344 | 7,939 | 8,105 | 1 April | | | | |
| g. INACTIVE | 520.0 | 28 | 166 | 166 | 1962 | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR 5.6 MILES | | | AV. WIDTH OF RESERVOIR 0.55 MILES | | | | | | |
| | 18. TOTAL DRAINAGE AREA 560 SQ. MI. | | | 22. MEAN ANNUAL PRECIPITATION 12-50 INCHES | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 560 SQ. MI. | | | 23. MEAN ANNUAL RUNOFF 12.9 INCHES | | | | | | |
| | 20. LENGTH 29.5 MILES | | AV. WIDTH 19.0 MILES | | 24. MEAN ANNUAL RUNOFF 384,970 AC.-FT. | | | | | |
| | 21. MAX. ELEV. 12,600 | | MIN. ELEV. 507 | | 25. ANNUAL TEMP MEAN 50°* RANGE -30 to 115°* | | | | | |
| 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. | | |
| | 16 Nov 1961 | 0 | 0 | (D) | 25 | 1,945 | 149,599 | 0.389 | | |
| | 16 Nov 1967 | 6.0 | 6.0 | (R) | 50m* | 1,945 | 147,099 | 0.382 | | |
| | Oct 1977 | 16.0 | 16.0 | (D) | 25 | 1,945 | 143,764 | 0.373 | | |
| | 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 | | | |
| | 16 Nov 1961 | -- | -- | -- | -- | -- | -- | | | |
| | 16 Nov 1967 | 9-83 | 479,900 | 1,024,000 | 2,879,300 | 479,900 | 2,879,300 | | | |
| | Oct 1977 | 14-45 | 404,128 | 1,271,142 | 4,041,286 | 432,464 | 6,919,433 | | | |
| | 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 | | | | |
| 16 Nov 1961 | 0 | -- | -- | 0 | -- | -- | | | | |
| 16 Nov 1967 | 2,500 | 417 | 0.745 | 2,500 | 417 | 0.745 | | | | |
| Oct 1977 | 3,300 | 330 | 0.589 | 5,800 | 363 | 0.647 | | | | |
| 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 ANNUAL | b. TOT. TO DATE | a. PERIOD | b. TOT. TO DATE | | | |
| 16 Nov 1961 | -- | 0 | 0 | -- | 0 | 0 | 0 | | | |
| 16 Nov 1967 | 62* | 1,006 | 1,006 | 0.28 | 1.67 | 863 | 863 | | | |
| Oct 1977 | 62* | 797 | 873 | 0.24 | 3.88 | 811 | 833 | | | |

| 26. DATE OF SURVEY* | 43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION | | | | | | | | | |
|--|---|---------|---------|---------|--------|-------|-------|-------|-------|---|
| | 187-160 | 160-140 | 140-120 | 120-100 | 100-80 | 80-60 | 60-40 | 40-20 | 20-CA | |
| PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION | | | | | | | | | | |
| 16 Nov 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Nov 1967 | 0* | 10* | 40* | 26* | 10* | 5* | 5* | 4* | 0* | |
| Oct 1977 | 0 | 1 | 5 | 9 | 12 | 15 | 16 | 20 | 22 | |

| 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 | | | | | | | | | | | | | | | |
| 16 Nov 1961 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 16 Nov 1967 | 0* | 1* | 10* | 40* | 25* | 10* | 5* | 4* | 2* | 3* | 0* | | | | |
| Oct 1977 | 0 | 1 | 27 | 31 | 12 | 9 | 7 | 3 | 4 | 5 | 1 | | | | |

| 45. RANGE IN RESERVOIR OPERATION | | | | | | | |
|----------------------------------|------------|------------|-----------------|------------|------------|------------|-----------------|
| WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. |
| 1962 | 559.2 | 521.2 | 397,000 | 1970 | 680.10 | 568.65 | 359,432 |
| 1963 | 663.13 | 549.63 | 490,000 | 1971 | 678.65 | 568.39 | 293,085 |
| 1964 | 630.81 | 567.97 | 227,900 | 1972 | 640.75 | 569.16 | 168,092 |
| 1965 | 688.96 | 557.23 | 496,500 | 1973 | 695.62 | 568.55 | 615,605 |
| 1966 | 649.10 | 564.87 | 246,000 | 1974 | 695.35 | 569.30 | 489,800 |
| 1967 | 699.30 | 564.38 | 1,024,000 | 1975 | 694.46 | 569.44 | 383,560 |
| 1968 | 656.32 | 569.04 | 220,164 | 1976 | 649.96 | 572.43 | 147,023 |
| 1969 | 698.68 | 569.43 | 1,271,142 | 1977 | 639.72 | 575.38 | 93,615 |

| 45. ELEVATION-AREA-CAPACITY DATA | | | | | | | | |
|----------------------------------|------|----------|-----------|------|----------|-----------|-------|----------|
| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
| 520 | 16 | 33 | 565 | 238 | 5,620 | 610 | 778 | 26,993 |
| 525 | 40 | 170 | 570 | 276 | 6,903 | 615 | 855 | 31,074 |
| 530 | 66 | 436 | 575 | 320 | 9,389 | 620 | 932 | 35,541 |
| 535 | 91 | 832 | 580 | 370 | 10,112 | 625 | 1,009 | 50,393 |
| 540 | 114 | 1,347 | 585 | 427 | 12,104 | 630 | 1,084 | 45,625 |
| 545 | 136 | 1,972 | 590 | 490 | 14,394 | 635 | 1,159 | 51,234 |
| 550 | 157 | 2,703 | 595 | 557 | 17,009 | 640 | 1,232 | 57,212 |
| 555 | 180 | 3,544 | 600 | 628 | 19,970 | 645 | 1,303 | 63,550 |
| 560 | 207 | 4,509 | 605 | 702 | 23,294 | 650 | 1,373 | 70,241 |
| | | | | | | 655 | 1,441 | 77,275 |
| | | | | | | 660 | 1,507 | 84,644 |
| | | | | | | 665 | 1,571 | 92,338 |
| | | | | | | 670 | 1,633 | 100,349 |
| | | | | | | 675 | 1,694 | 108,669 |
| | | | | | | 680 | 1,754 | 118,289 |
| | | | | | | 685 | 1,811 | 126,202 |
| | | | | | | 690 | 1,868 | 135,401 |
| | | | | | | 695 | 1,924 | 144,880 |
| | | | | | | 700 | 1,980 | 154,640 |
| | | | | | | 705 | 2,037 | 164,686 |
| | | | | | | 710 | 2,094 | 175,012 |
| | | | | | | 715 | 2,154 | 185,630 |

47. REMARKS AND REFERENCES

1/ Recreation

* Assumed

48. AGENCY MAKING SURVEY Corps of Engineers, Sacramento Dist.

49. AGENCY SUPPLYING DATA "

| | | |
|-----|-------|---------|
| 655 | 1,441 | 77,275 |
| 660 | 1,507 | 84,644 |
| 665 | 1,571 | 92,338 |
| 670 | 1,633 | 100,349 |
| 675 | 1,694 | 108,669 |
| 680 | 1,754 | 118,289 |
| 685 | 1,811 | 126,202 |
| 690 | 1,868 | 135,401 |
| 695 | 1,924 | 144,880 |
| 700 | 1,980 | 154,640 |
| 705 | 2,037 | 164,686 |
| 710 | 2,094 | 175,012 |
| 715 | 2,154 | 185,630 |

50. DATE 22 DEC 75

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

LAKE KAWEAH (TERMINUS DAM)
NAME OF RESERVOIR

71-436
DATA SHEET NO.

| | | | | | | | |
|-----------------------------------|--|-------------------------------------|--|--|---|----------------------------------|-----------------------------|
| DAM | 1. OWNER U.S. ARMY ENGINEERS | | 2. STREAM KAWEAH RIVER | | 3. STATE CALIFORNIA | | |
| | 4. SEC. 25 TWP. 17S RANGE 27E | | 5. NEAREST P.O. Lemon Cove | | 6. COUNTY Tulare | | |
| | 7. LAT 36° 24' 53" LONG. 119° 00' 07" | | 8. TOP OF DAM ELEVATION 750.0 | | 9. SPILLWAY CREST ELEV. 694.0 | | |
| 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 | - | - | - | - | April 1961 | |
| | b. MULTIPLE USE | 694.0 | 1,945 | 141,494 | 149,599 | | |
| | c. POWER | - | - | - | - | | |
| | d. WATER SUPPLY | - | - | - | - | - | 16. DATE NORMAL OPER. BEGAN |
| | e. IRRIGATION | - | - | - | - | - | |
| | f. CONSERVATION 1/ | 570.0 | 344 | 7,939 | 8,105 | 1 April 1962 | |
| | g. INACTIVE | 520.0 | 28 | 166 | 166 | | |
| 17. LENGTH OF RESERVOIR 5.6 MILES | | AV. WIDTH OF RESERVOIR .055 MILES | | | | | |
| WATERSHED | 18. TOTAL DRAINAGE AREA 560 SQ. MI. | | 22. MEAN ANNUAL PRECIPITATION 12-50 INCHES | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 560 SQ. MI. | | 23. MEAN ANNUAL RUNOFF 12.9 INCHES | | | | |
| | 20. LENGTH 29.5 MILES | | AV. WIDTH 19.0 MILES | | 24. MEAN ANNUAL RUNOFF 384,970 AC.-FT. | | |
| | 21. MAX. ELEV. 12,600 | | MIN. ELEV. 507 | | 25. ANNUAL TEMP. MEAN 50°* RANGE -30 to 115°* | | |
| | 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 |
| Oct 1977 | 10.0 | 16.0 | (D) | 25 | 1,945 | 146,099 | 0.378 |
| Sep 1987 | 10.0 | 26.0 | (D) | 25 | 1,945 | 145,099 | 0.377 |
| 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 |
| | Oct 1977 | 14-45 | 404,128 | 1,271,142 | 4,041,286 | 432,464 | 6,919,433 |
| Sep 1978 | 17-54 | 598,840 | 1,402,000 | 5,988,400 | 496,455 | 12,907,833 | |
| 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 | |
| Oct 1977 ² | 1,000 | 100 | 0.179 | 3,500 | 219 | 0.391 | |
| Sep 1987 | 1,000 | 100 | 0.179 | 4,500 | 173 | 0.309 | |
| 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 |
| Oct 1977 ² | 62* | 241 | 528 | 0.15 | 2.33 | 246 | 503 |
| Sep 1987 | 62* | 241 | 417 | 0.12 | 3.01 | 166 | 346 |

Kaweah

| 26. DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION | | | | | | | | | |
|--------------------|---|---------|---------|---------|--------|-------|-------|-------|-------|--|
| | 187-160 | 160-140 | 140-120 | 120-100 | 100-80 | 80-60 | 60-40 | 40-20 | 20-CR | |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION | | | | | | | | | |
| Oct 1977 | 0 | 1 | 5 | 9 | 12 | 15 | 16 | 20 | 22 | |
| Sep 1987 | 10 | 15 | 26 | 25 | 8 | 5 | 4 | 5 | 2 | |

| 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 | | | | | | | | | | | | | | |
| Oct 1977 | 0 | 1 | 27 | 31 | 12 | 9 | 7 | 3 | 4 | 5 | 1 | | | | |
| Sep 1987 | 11 | 6 | 25 | 23 | 14 | 5 | 3 | 3 | 2 | 6 | 2 | | | | |

| 45. RANGE IN RESERVOIR OPERATION | | | | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. |
|----------------------------------|------------|------------|-----------------|------------|------------|------------|-----------------|
| WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW, AC.-FT. | | | | |
| 1978 | 687.74 | 572.80 | 833,800 | | | | |
| 1979 | 694.40 | 574.80 | 416,200 | | | | |
| 1980 | 694.91 | 577.72 | 884,400 | | | | |
| 1981 | 688.40 | 572.78 | 248,400 | | | | |
| 1982 | 694.19 | 571.68 | 771,500 | | | | |
| 1983 | 695.64 | 577.37 | 1,402,000 | | | | |
| 1984 | 694.04 | 576.86 | 516,800 | | | | |
| 1985 | 694.42 | 573.26 | 332,400 | | | | |
| 1986 | 693.85 | 577.05 | 815,200 | | | | |
| 1987 | 674.23 | 578.69 | 183,900 | | | | |
| | | | 5,988,400 | | | | |

| 46. ELEVATION-AREA-CAPACITY DATA | | | | |
|----------------------------------|------|----------|-----------|----------|
| ELEVATION | AREA | CAPACITY | ELEVATION | CAPACITY |
| | | | | |
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47. REMARKS AND REFERENCES

- 1/ Recreation
- * Assumed
- 2/ 1977 survey revision based on more refined method of determining sediment deposit developed for the 1987 survey.
- 3/ Not available at this time.