

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Brace Debris Basin
NAME OF RESERVOIR

70-112

DATA SHEET NO.

| | | | | | | | | | | | | | | | | | | | | |
|-------------|--|--|-------------------------------------|--------------------------------|--|--|----------------------------------|--|-----------------------------------|--|------------------------------|------------------|-------------------------|--|------------------------------------|--|--|---------------------|--|--|
| DAM | 1. OWNER LACECD | | | 2. STREAM Brace Canyon | | | 3. STATE California | | | | | | | | | | | | | |
| | 4. SEC. 35 TWP. 2N RANGE 14W | | | 5. NEAREST P.O. Burbank | | | 6. COUNTY Los Angeles | | | | | | | | | | | | | |
| | 7. LAT. 34° 12' 52" LONG. 118° 19' 19" | | | 8. TOP OF DAM ELEVATION 1203.3 | | | 9. SPILLWAY CREST ELEV. 1194.5 | | | | | | | | | | | | | |
| 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 | | | | | | | | | | Feb 71 | | | | | | | | | |
| | b. MULTIPLE USE | | | | | | | | | | | | | | | | | | | |
| | c. POWER | | | | | | | | | | | | | | | | | | | |
| | d. WATER SUPPLY | | | | | | | | | | 16. DATE NOR-MAL OPER. BEGAN | | | | | | | | | |
| | e. IRRIGATION | | | | | | | | | | 1971 - 72 | | | | | | | | | |
| | f. CONSERVATION | | | | | | | | | | | | | | | | | | | |
| g. INACTIVE | | | | | | | | | | | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR .06 MILES | | | | AV. WIDTH OF RESERVOIR .03 MILES | | | | | | | | | | | | | | | |
| | 18. TOTAL DRAINAGE AREA .29 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION INCHES | | | | | | | | | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA .29 SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF INCHES | | | | | | | | | | | | | | | |
| | 20. LENGTH .66 MILES | | AV. WIDTH .44 MILES | | 24. MEAN ANNUAL RUNOFF AC.-FT. | | | | | | | | | | | | | | | |
| | 21. MAX. ELEV. 2256 | | MIN. ELEV. 1191.2 | | 25. ANNUAL TEMP. MEAN 62.2° RANGE 48.8° -75.6° | | | | | | | | | | | | | | | |
| 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/I RATIO, AC.-FT. PER AC.-FT. | | | | | |
| | Sep 75 | | 4 | | 4 | | | | | | | | | | | | | | | |
| | 26. DATE OF SURVEY | | 34. PERIOD ANNUAL PRECIPITATION | | 35. PERIOD WATER INFLOW, ACRE-Feet | | | | 36. WATER INFL. TO DATE, AC.-FT. | | | | | | | | | | | |
| | Sep 75 | | 15.90 | | a. MEAN ANNUAL | | b. MAX. ANNUAL | | c. PERIOD TOTAL | | a. MEAN ANNUAL | | b. TOTAL TO DATE | | | | | | | |
| | | | | | No record of inflow. | | | | | | | | | | | | | | | |
| | 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 | | |
| | Sep 75 | | 14.75 | | | 3.69 | | | 12.72 | | | 14.75 | | | 3.69 | | | 12.72 | | |
| | 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 | | | | | | | |

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|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|
| 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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|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 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 | | | | | | | | | | | | | | |
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| 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 25 - Temperature taken at Pasadena, California.

2/ Item 32 - Capacity of debris basin varies. Debris excavated at various times.

3/ Item 37 - Sedimentation values computed by LACFCD are based on complete water year.

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Brace Debris Basin
NAME OF RESERVOIR

70-112a
DATA SHEET NO.

| | | | | | | | | | | | | | | |
|--------------------|---|------------------------------------|-------------------------------------|---------------------------------------|--|------------------------|--|----------------------|----------------------------------|---------------|---|---------------------|-------------------------------------|--|
| DAM | 1. OWNER <u>LACFCD</u> | | | 2. STREAM <u>Brace Canyon</u> | | | 3. STATE <u>California</u> | | | | | | | |
| | 4. SEC. <u>35</u> TWP. <u>2N</u> RANGE <u>14W</u> | | | 5. NEAREST P.O. <u>Burbank</u> | | | 6. COUNTY <u>Los Angeles</u> | | | | | | | |
| | 7. LAT. <u>34°12'52"</u> LONG. <u>118°19'19"</u> | | | 8. TOP OF DAM ELEVATION <u>1203.3</u> | | | 9. SPILLWAY CREST ELEV. <u>1194.5</u> | | | | | | | |
| 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 | | | | | | | | | | 16. DATE NORMAL OPER. BEGAN <u>1971 - 72</u> | | | |
| | b. MULTIPLE USE | | | | | | | | | | | | | |
| | c. POWER | | | | | | | | | | | | | |
| | d. WATER SUPPLY | | | | | | | | | | | | | |
| | e. IRRIGATION | | | | | | | | | | | | | |
| | f. CONSERVATION | | | | | | | | | | | | | |
| g. INACTIVE | | | | | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR <u>.06</u> MILES | | | | AV. WIDTH OF RESERVOIR <u>.03</u> MILES | | | | | | | | | |
| | 18. TOTAL DRAINAGE AREA <u>.29</u> SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION _____ INCHES | | | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA <u>.29</u> SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF _____ INCHES | | | | | | | | | |
| | 20. LENGTH <u>.66</u> MILES | | AV. WIDTH <u>.44</u> MILES | | 24. MEAN ANNUAL RUNOFF _____ AC.-FT. | | | | | | | | | |
| | 21. MAX. ELEV. <u>2256</u> | | MIN. ELEV. <u>1191.2</u> | | 25. ANNUAL TEMP. MEAN <u>62.2°</u> RANGE <u>48.8° -75.6°</u> | | | | | | | | | |
| 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/I. RATIO, AC.-FT. PER AC.-FT. | |
| | Sep 75 | | 4 | 4 | | | | | | | | | | |
| | Sep 76 | | 1 | 5 | | | | | | | | | | |
| | Sep 78 | | 2 | 7 | | | | | | | | | | |
| | 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 | | | |
| | Sep 75 | | 15.90 | | No record of inflow. | | | | | | | | | |
| | Sep 76 | | 9.27 | | | | | | | | | | | |
| | Sep 78 | | 26.83 | | | | | | | | | | | |
| | 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 | | |
| Sep 75 | | 14.75 | | 3.69 | | 12.72 | | 14.75 | | 3.69 | | 12.72 | | |
| Sep 76 | | .25 | | .25 | | .86 | | 15.00 | | 3.00 | | 10.34 | | |
| Sep 78 | | 1.43 | | .72 | | 2.48 | | 16.43 | | 2.35 | | 8.10 | | |
| 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 | | |
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| 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/ Item 25 - Temperature taken at Pasadena, California.

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