

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

Hollinger Debris Basin

NAME OF RESERVOIR

62-18

DATA SHEET NO.

| | | | | | | | | | | | | | | |
|-------------|------------------------------------|------------------|-------------------------------------|------------------------|-------------------------------------|-------------|--|-------------------------|----------------------------------|-------------------------|-----------------------------|-------------------------------------|----------------------------|--|
| DAM | 1. OWNER Lincoln Co. Flood Control | | | | 2. STREAM Meadow Valley Wash | | 3. STATE Nevada | | | | | | | |
| | 4. SEC. 20 TWP. 3N RANGE 70E | | | 5. NEAREST P.O. Pioche | | | 6. COUNTY Lincoln | | | | | | | |
| | 7. LAT 38° 9' " LONG 114° 11' 35" | | | | 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 | | | | | | | | | | 1962 | | | |
| | b. MULTIPLE USE | | | | | | | | | | 16. DATE NORMAL OPER. BEGAN | | | |
| | c. POWER | | | | | | | | | | | | | |
| | d. WATER SUPPLY | | | | | | | | | | | | | |
| | e. IRRIGATION | | | | | | | | | | | | | |
| | f. CONSERVATION | | | | | | | | | | | | | |
| | g. INACTIVE | | 115.0 ^{1/} | | 95 | | 437.1 | | 437.1 | | 1962 | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR | | | | 0.34 MILES | | AV. WIDTH OF RESERVOIR | | | | 0.44 MILES | | | |
| | 18. TOTAL DRAINAGE AREA | | | | 200 SQ. MI. | | 22. MEAN ANNUAL PRECIPITATION | | | | 132 ^{2/} INCHES | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | | | 200 SQ. MI. | | 23. MEAN ANNUAL RUNOFF | | | | 0.23 ^{1/} INCHES | | | |
| | 20. LENGTH | | MILES | | AV. WIDTH | | MILES | | 24. MEAN ANNUAL RUNOFF | | | | 2133 ^{3/} AC.-FT. | |
| | 21. MAX. ELEV. | | MIN. ELEV. | | 25. ANNUAL TEMP.: MEAN | | | | RANGE 0-100 ^{2/} | | | | | |
| 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. | | |
| | 1962 | | - | - | - | | - | 95 | | 437.1 | | 0.20 ^{3/} | | |
| | 7/27/72 | | 10 | 10 | Range | | 20 | 95 | | 383.7 | | 0.18 | | |
| | 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 | |
| | | | | | | | | | | | | | | |
| | 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 | |
| | 7/27/72 | | 53.4 | | 5.34 | | 0.03 | | 53.4 ^{4/} | | 5.34 | | 0.03 | |
| | 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 | | |
| 7/27/72 | | 80 ^{5/} | | 52 | | 52 | | 1.2 | | 12.2 | | | | |

| | | | | | | | | | | | | | | | |
|---|---|------------|------------|-----------------|---|------------|------------|-----------------|----------|--------|------|------|------|------|------|
| 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 | -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> Sediment pool elevation. <u>2/</u> Watershed Work Plan <u>3/</u> Approximate <u>4/</u> 46.5 acre-feet sediment in basin and 21.0 acre-feet in channel. This total includes sediment above spillway crest elevation. <u>5/</u> Assumed | | | | | | | | | | | | | | | |
| 48. AGENCY MAKING SURVEY Soil Conservation Service | | | | | 49. AGENCY SUPPLYING DATA Soil Conservation Service | | | | | | | | | | |
| | | | | | 50. DATE <u>12/31/74</u> | | | | | | | | | | |