

RESERVOIR SEDIMENTATION
DATA SUMMARY

Pleasant Valley
NAME OF RESERVOIR

78 - 3
DATA SHEET NO.

District

| | | | | | | | | |
|-------------|------------------------------------|---|------------------------------------|-----------------------------|---|-------------------------------|-------------------------|-----------------------------------|
| DAM | 1. OWNER Pleasant Valley Irrig./ | | | 2. RIVER Black's Creek | | 3. STATE Idaho | | |
| | 4. SEC. TWP. 2N | | RANGE 3E | 5. NEAREST TOWN Boise | | 6. COUNTY Ada | | |
| | 7. STREAM BED ELEV. | | | 8. TOP OF DAM ELEV. | | 9. SPILLWAY CREST ELEV. | | |
| 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 | | | | | 1905 | | |
| | b. POWER | | | | | | | |
| | c. WATER SUPPLY | | | | | 16. DATE NORMAL OPER. BEGAN | | |
| | d. IRRIGATION | | 403 | 7,897 | 7,897 | | | |
| | e. CONSERVATION | | | | | | | |
| | f. INACTIVE | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR | | | MILES | AV. WIDTH OF RESERVOIR | | MILES | |
| | 18. TOTAL DRAINAGE AREA | | | 16 approx. | SQ. MI. | 22. MEAN ANNUAL PRECIPITATION | | 15 - 24 |
| | 19. NET SEDIMENT CONTRIBUTING AREA | | | 16 approx. | SQ. MI. | 23. MEAN ANNUAL RUNOFF | | INCHES |
| | 20. LENGTH | | MILES | AV. WIDTH | MILES | 24. MEAN ANNUAL RUNOFF | | AC.-FT. |
| | 21. MAX. ELEV. | | MIN. ELEV. | 25. CLIMATIC CLASSIFICATION | | | | Semi-arid |
| 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. |
| | 1905 | - | - | - | - | 403 | 7,897 | 494 |
| | June 1947 | 42 | 42 | Range recon. | 6 | 403 | 7,855 | 491 |
| | 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 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 | |
| | June 1947 | 42 | 1.0 | 0.063 | 42 | 1.0 | 0.063 | |
| | 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 | |
| June 1947 | | | | 0.013 | 0.53 | | | |

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|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | | | | | | | | | | | | | | |
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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. |
| | | | | | | | |

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|----------------------------------|------|----------|-----------|------|----------|-----------|------|----------|
| 46. ELEVATION-AREA-CAPACITY DATA | | | | | | | | |
| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
| | | | | | | | | |

47. REMARKS AND REFERENCES

Region 7, Soil Conservation Service
U. S. Dept. of Agriculture
Portland Oregon

48. AGENCY SUPPLYING DATA

49. DATE June 7, 1950