

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HYDROGEOLOGIC CHARACTERISTICS OF THE VALLEY-FILL AQUIFER IN
THE GREELEY REACH OF THE SOUTH PLATTE RIVER VALLEY, COLORADO

By

R. Theodore Hurr, Paul A. Schneider, Jr., and others

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PREPARED IN COOPERATION WITH THE
COLORADO WATER CONSERVATION BOARD

Water Resources Division
Colorado District
Building 25, Denver Federal Center
Lakewood, Colorado 80225
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ILLUSTRATIONS

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REFERENCES

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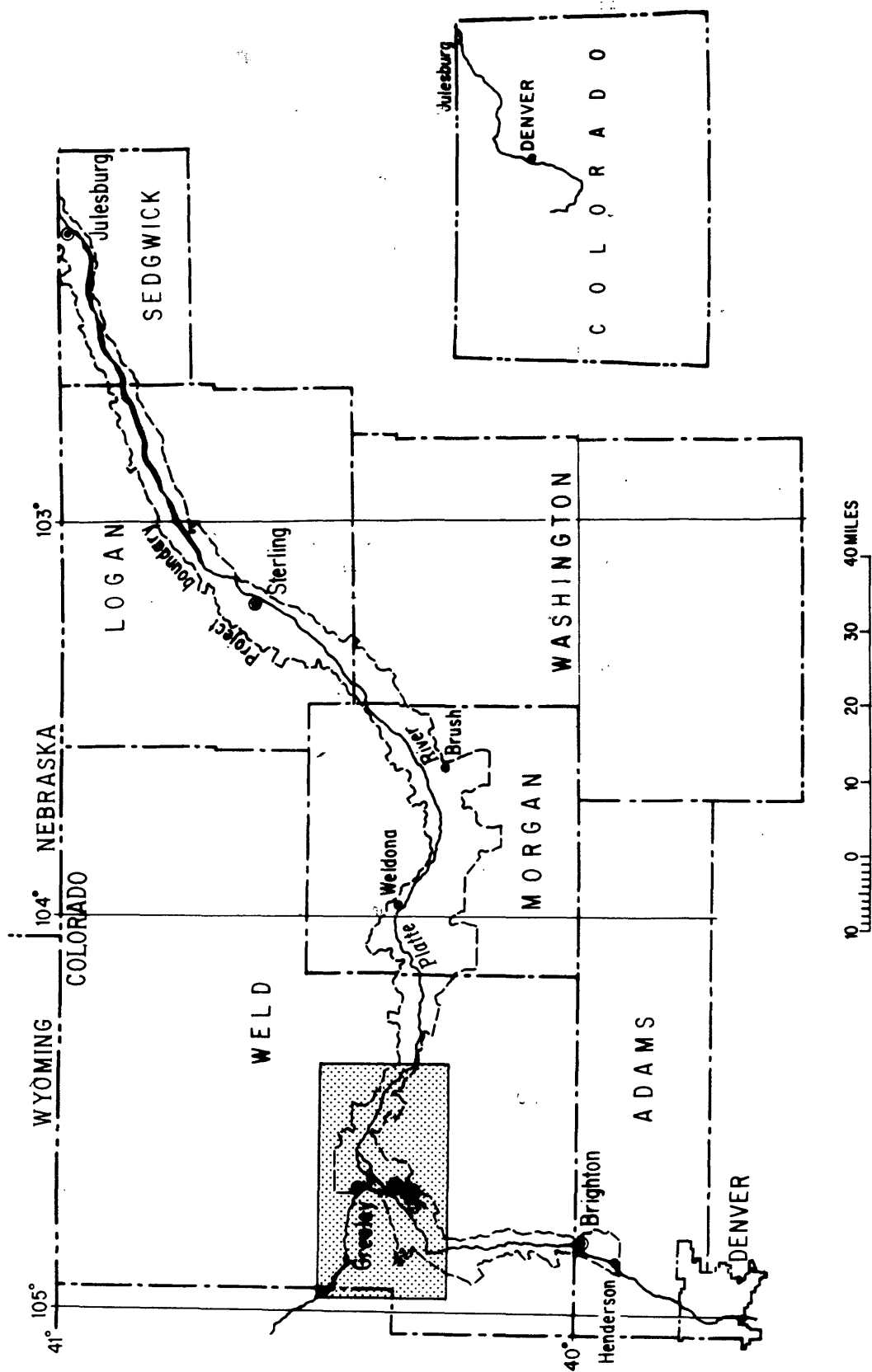


Figure 1.--Index map showing location of the Greeley reach (shaded area) of the South Platte River valley, Colorado.

REFERENCES

- Jenkins, C. T., 1968a, Techniques for computing rate and volume of stream depletion by wells: *Ground Water*, v. 6, no. 2, p. 37-46.
- _____, 1968b, Electric-analog and digital-computer model analysis of stream depletion by wells: *Ground Water*, v. 6, no. 6, p. 27-34.
- _____, 1970, Computation of rate and volume of stream depletion by wells: U.S. Geol. Survey Techniques Water-Resources Inv. Manual, Book 4, Chap. D1, 17 p.
- Moulder, E. A., and Jenkins, C. T., 1969, Analog-digital models of stream-aquifer systems: *Ground Water*, v. 7, no. 5, p. 19-24.