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U. S. GEOLOGICAL SURVEY, MO
ROLLA, MISSOURI

Surface Water Supply of the United States 1961–65

Part 12. Pacific Slope Basins in Washington

Volume 1. Pacific Slope Basins in Washington Except Columbia River Basin

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Prepared in cooperation with the State of Washington and with other agencies

cial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

OTHER DATA AVAILABLE

Data collected at partial-record stations are given at the end of this report. Data for partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are given in special tables following the tables of partial-record stations.

Information of a more detailed nature than that published for most of the gaging stations is on file in the district offices, such as discharge measurements, gage-height records, and rating tables. Many gaging-station records have been analyzed to give several statistical summaries, mainly: (1) the number of days in each year that the daily discharge was between selected limits (duration tables); (2) the lowest mean discharge for selected numbers of consecutive days in each year; and (3) the highest mean discharge for selected numbers of consecutive days in each year.

At or near some gaging stations, water-quality records also are collected. Data are obtained on the chemical quality of the stream water, on water temperature, on suspended-sediment concentration, and on the particle-size distribution of suspended sediment and bed material. Under "Remarks" of the station description, reference is made to water-quality records collected on a regular basis for that station. Results of the data collected are published in water-supply papers entitled "Quality of Surface Waters of the United States," and in annual reports issued by States beginning with the 1964 water year. These annual reports are entitled, "Water Resources Data for (state). Part 2, Water Quality Records." Information on the availability of electronic computer analyses, unpublished data, or quality of water records may be obtained from the district offices listed on page 1.

PUBLICATIONS

Through September 30, 1960, the records of discharge and stage of streams and contents and stage of lakes or reservoirs were published in an annual series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Prior to 1951, there were 14 volumes in the series; one for each of the 14 parts whose boundaries coincided with certain natural drainage lines within the conterminous United States. From 1951 to 1960, there were 20 volumes in the series, including one each for the States of Alaska and Hawaii.

This report marks the beginning of a new series of water-supply papers to be published on a 5-year basis. This series covers the 5-year period October 1, 1960, to September 30, 1965. To meet interim requirements, streamflow and related data have been released by the Geological Survey in annual reports, beginning with the 1961 water year, by State. These reports are entitled, "Water Resources Data for (state), Part 1. Surface Water Records." Distribution of these reports is limited and primarily for local

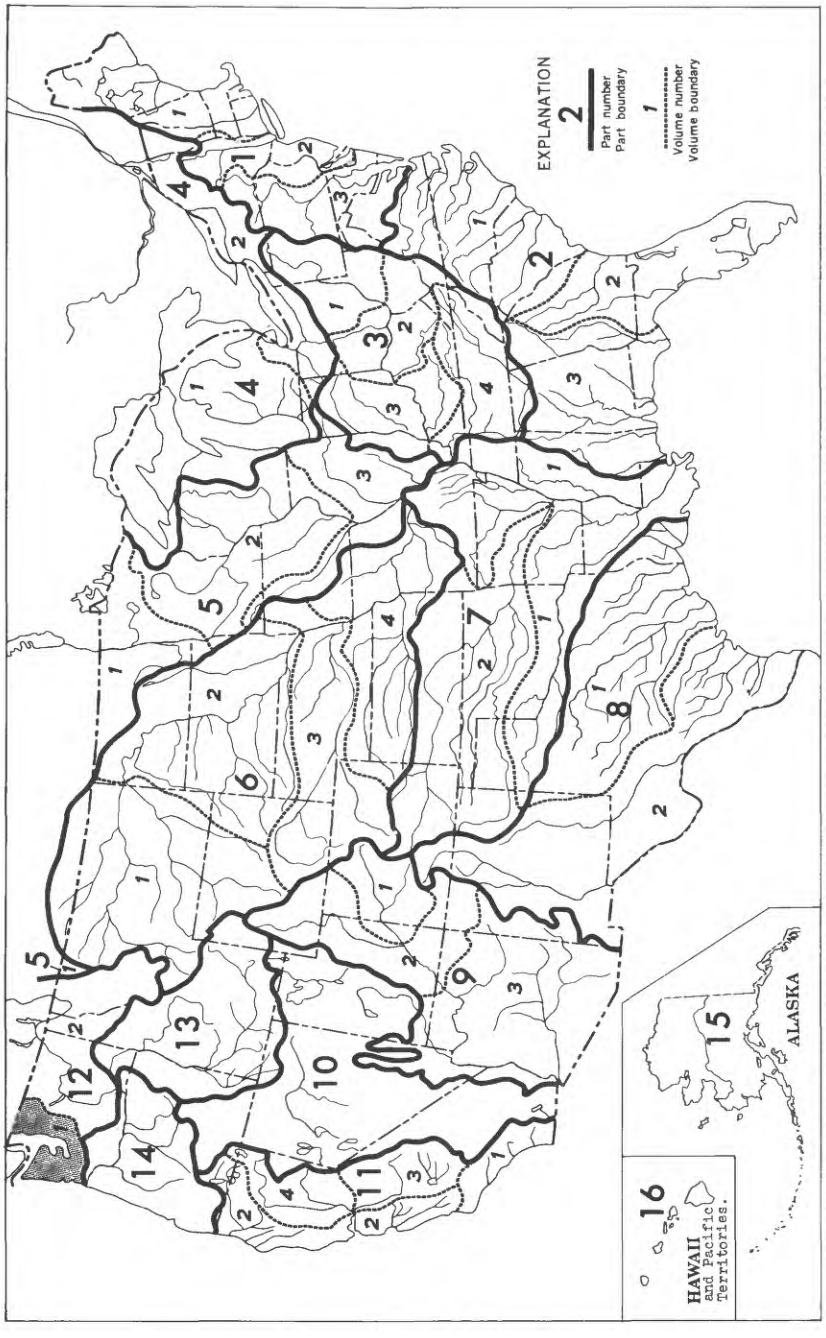

Figure 1.--Map of the United States showing area covered by the volumes in the series on surface-water supply. The area covered by this report is shaded.