



Geological Survey Professional Paper Volume 870, PT. 1

By Geological Survey

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. Excerpt: .curves for each station and allowed preparation of at-a-station hydraulic-geometry curves of surface width, mean depth, and mean velocity as functions of discharge. Channel-geometry surveys allowed determination of bankfull discharge; bankfull values of the other hydraulic-and channel-geometry parameters were determined from the at-a-station curves. These bankfull values when plotted as functions of bankfull discharge constitute downstream curves of hydraulic geometry and, in essence, allow the prediction of bankfull discharge for any measured values of bankfull width, depth, or flow area. Alternative to this presentation (figs. 23-26), bankfull values of the hydraulic-and channel-geometry parameters may be plotted against size of drainage area, which itself may be considered a measure of downstream location. Figure 35 illustrates bankfull discharge as a function of drainage area, and figure 36 shows the same data expressed as a unit discharge or runoff, R, in cubic feet per second per square mile. Values...



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