

sions to drainage area (**Figure 7.20**). Using these curves, the width and depth of the bankfull channel can be approximated once the drainage area of a watershed within one of these regions is known. Obviously, more curves such as these are needed for regions that experience different topographic, geo-

logic, and hydrologic regimes; therefore, additional regional relationships should be developed for specific areas of interest. Several hydraulic geometry formulas are presented in **Table 7.5**.

Regional curves should be used only as indicators to help identify the channel geometry at a restoration initiative site

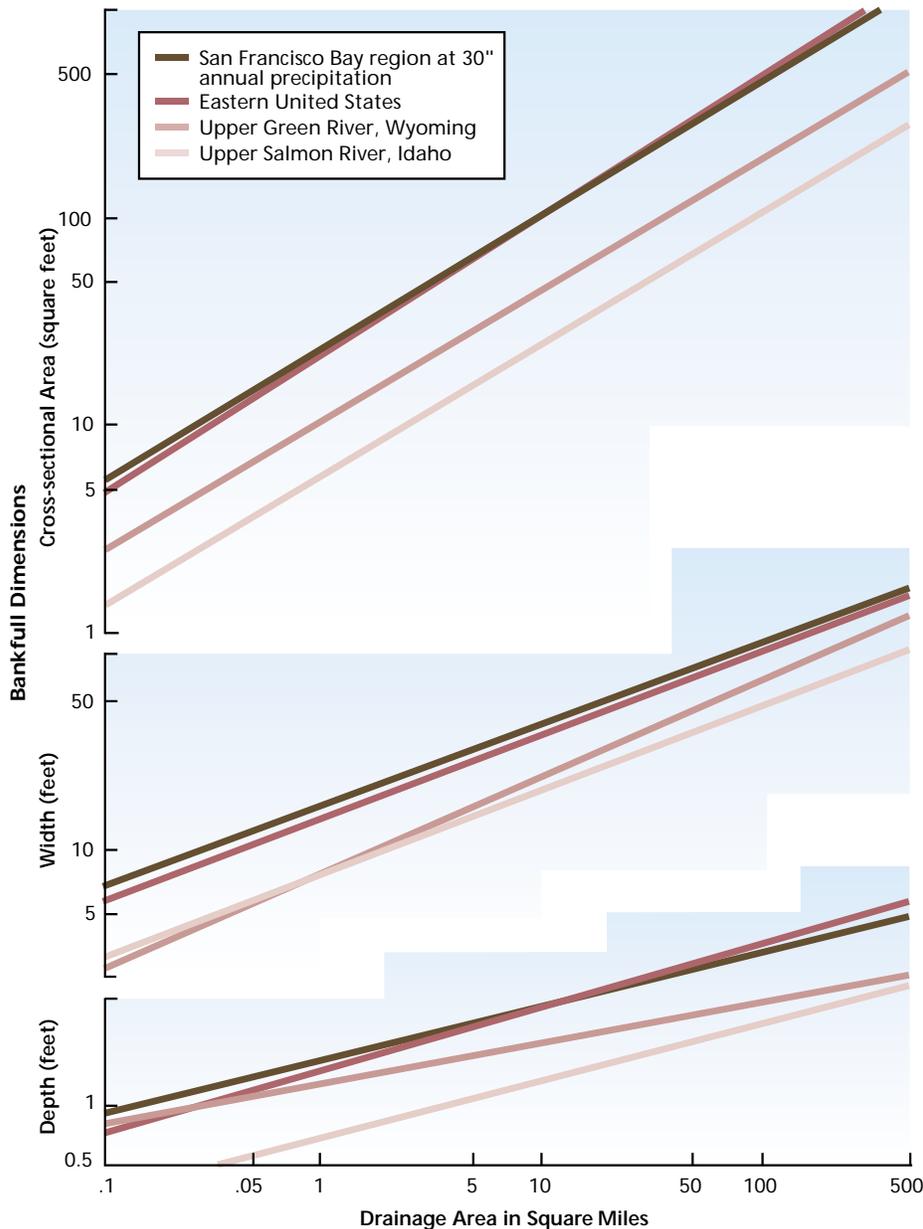


Figure 7.20: Regional curves for bankfull channel dimensions versus drainage area. Curves showing channel dimensions relating to drainage area for a region of the country can be useful in determining departure from “normal” conditions. The use of such curves must be tempered with an understanding of the limitations of the specific data that produced the curves. Source: Dunne and Leopold 1978.