



FIGURE 13.51. Estimation of flow depth from cores and gamma-ray logs through channel-bar deposits. From Bridge and Tye (2000). The maximum bankfull-flow depth can be estimated from the thickness of channel-bar deposits (7.5 m). This estimate can be checked using the mean thickness of medium-scale cross sets (formed by dunes) from the lower part of bar deposits (0.29 m), giving a mean dune height of about 0.85 m. This dune height is appropriate for estimated water depths during formation of 6–7 m. AAPG © 2000 reprinted by permission of the AAPG, whose permission is required for further use.