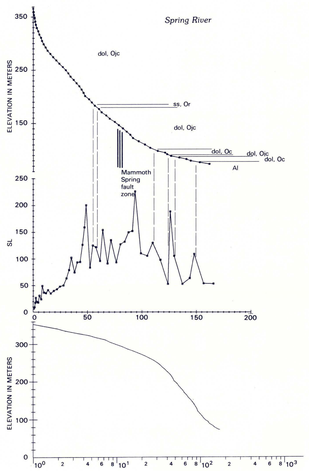
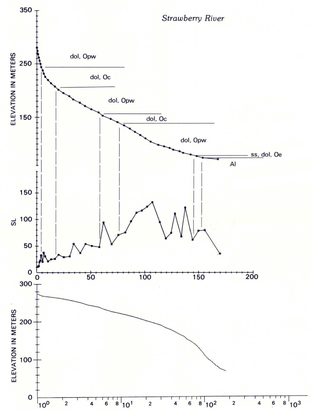
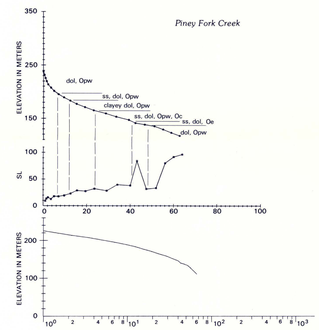
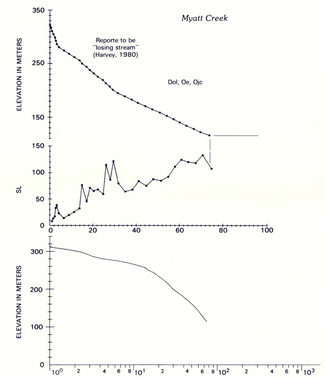
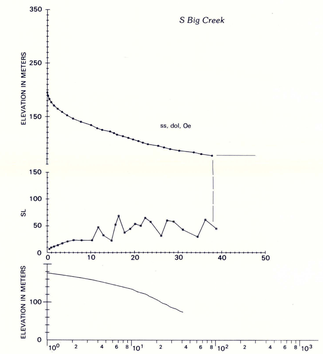
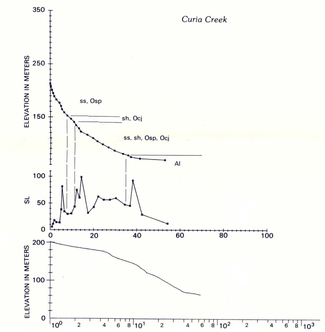


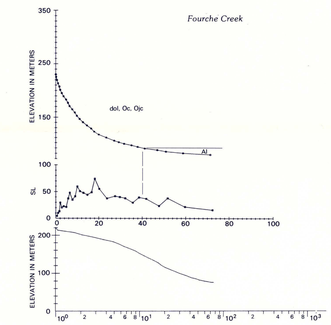


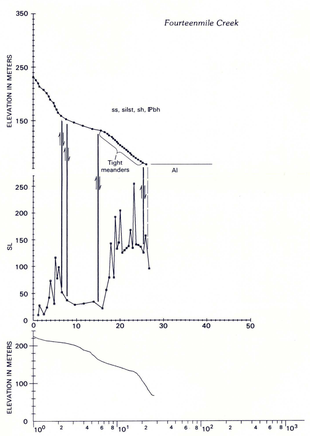


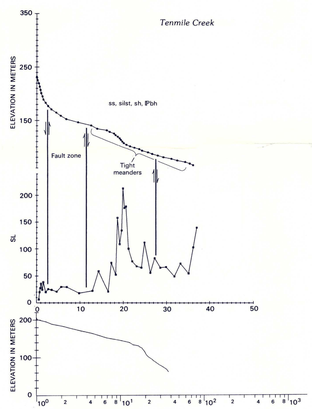


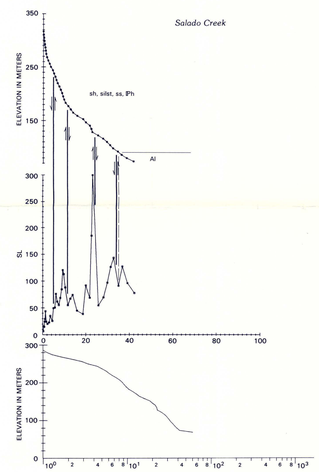


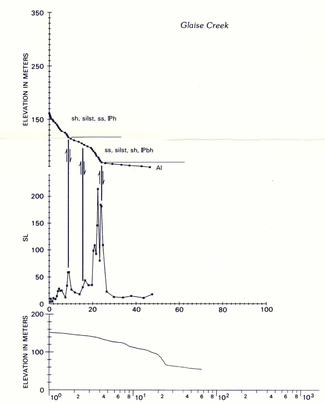


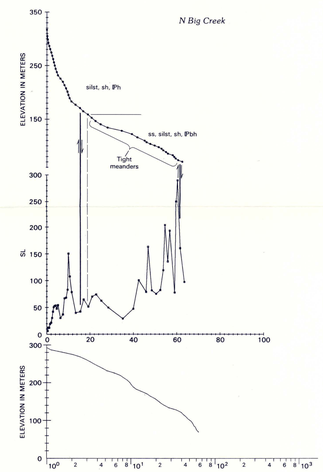






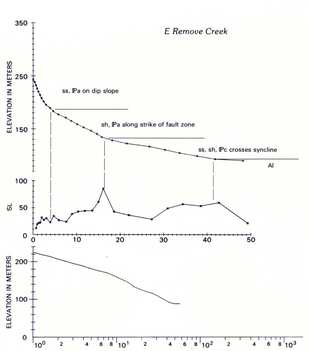


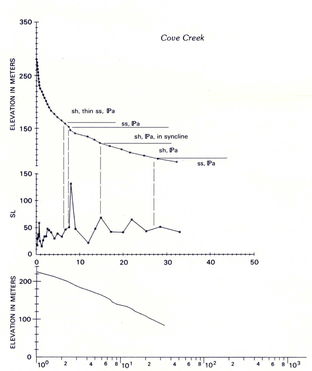


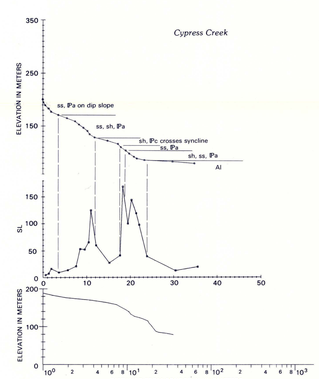


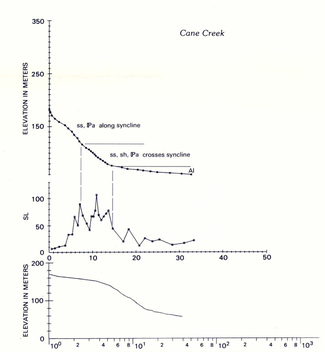
EXPLANATION

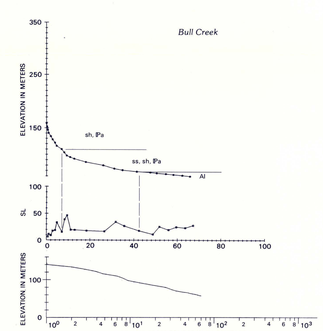
Lithologic contacts along stream courses are indicated by horizontal lines above stream profiles. Long dashed vertical lines project lithology to stream gradient index (SL) plots. Lithology is given in order of abundance as follows: ss, sandstone; sh, shale; silst, siltstone; ls, limestone; dol, dolomite; and al, alluvium. See figure 2 for explanation of formation symbols. Faults are shown as thick vertical lines with arrows indicating direction of movement below profiles. Small squares are location at which elevations are recorded and are mostly at 20-ft (6.9-m) intervals, except in lower reaches of streams where slope is low. Here, the intervals may be at 10-ft (3.5-m) or 5-ft (1.7-m) intervals. All geologic annotations are from Boyd R. Haley and Ernest R. Glick (written commun., 1983).

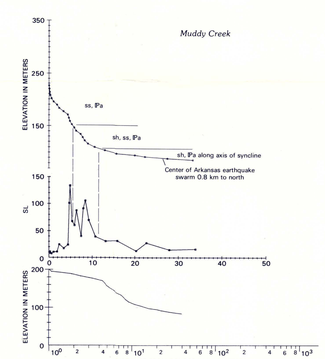


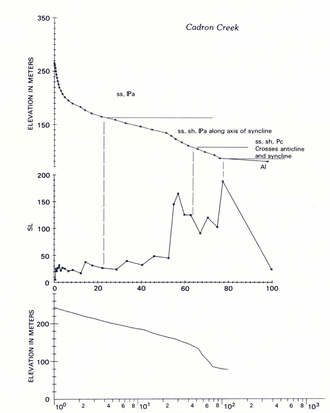












PROFILES, STREAM-GRADIENT INDEX *(SL)* PLOTS AND SEMILOG PLOTS OF STREAMS IN THE SALEM PLATEAU (TOP), BOSTON MOUNTAINS (MIDDLE), AND ARKANSAS VALLEY SECTIONS (LOWER)