This plot represents the distribution and abundance of boron in 696 stream sediment and 106 glacial flute samples collected during 1975 and 1976 from the active channel of swift mountain streams draining areas ranging from 0.5 to 10 km2. Glacial debris was collected from lateral and medial moraines of valley glaciers with catchment areas similar to those of the streams. For purposes of this study, analytical data from the samples of glacial debris were not included because statistical analysis of the analytical data showed that these two groups were significantly different. The samples of stream sediment and glacial debris were air-dried and sieved through an 80-mesh (0.18 mm) screen. A split of the coarse-grained material was analyzed for 39 elements by semi-quantitative emission spectrophotometry. The results were entered into the computer program packages to produce a distribution pattern map in the Geological Survey CRAY system.