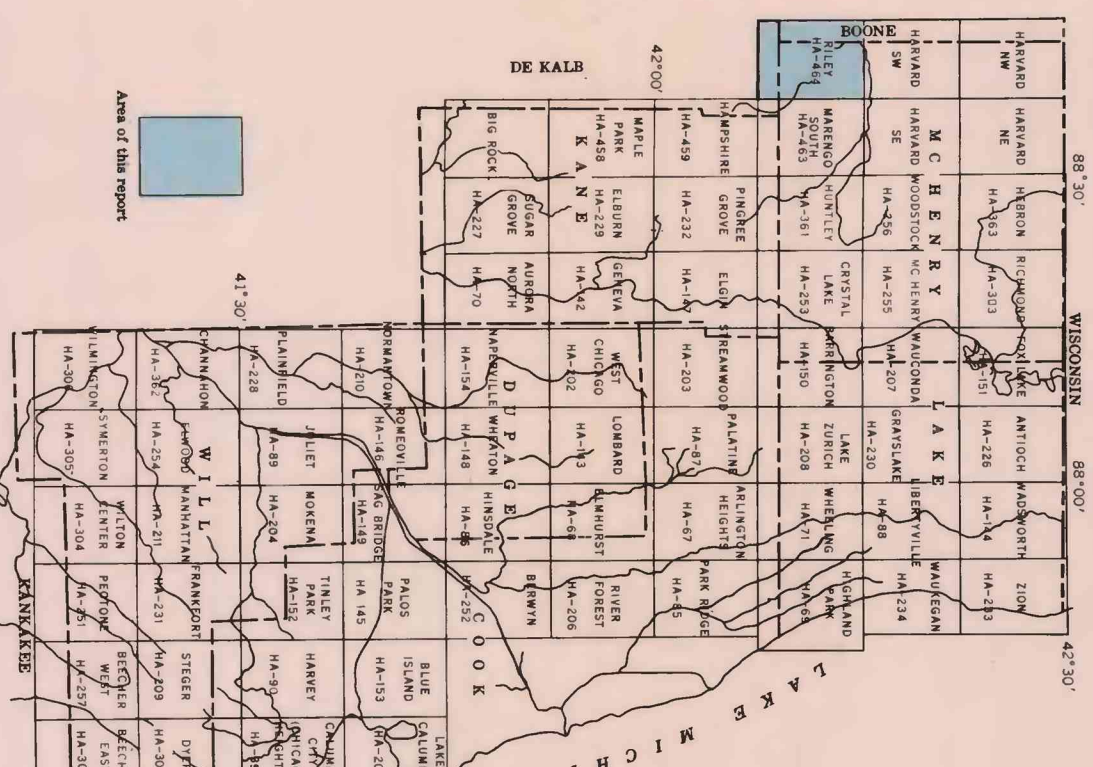
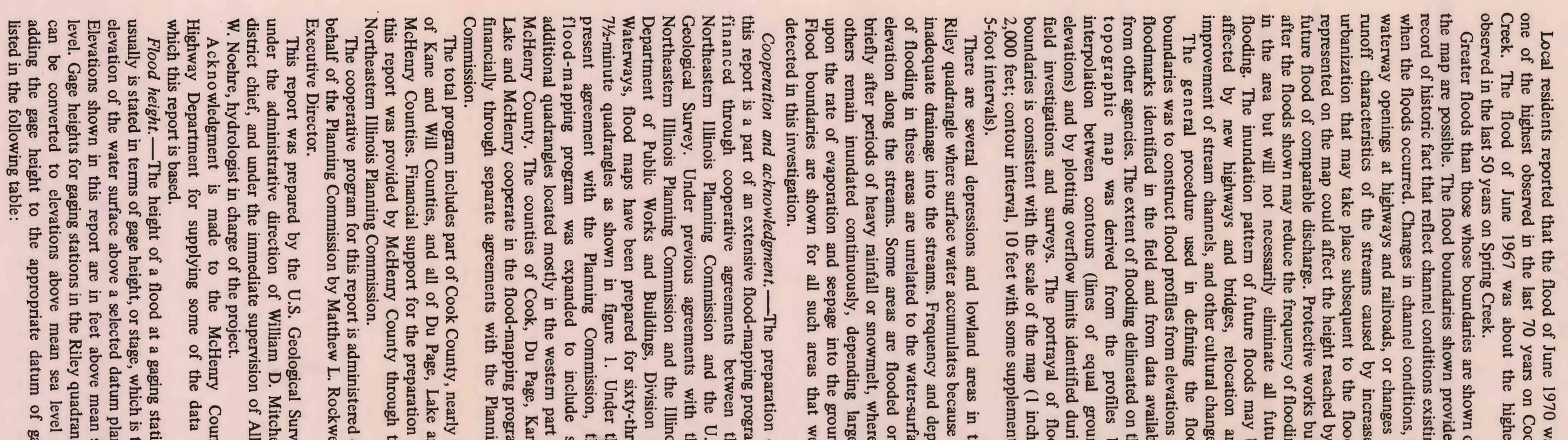


FLOODS IN RILEY QUADRANGLE, NORTHEASTERN ILLINOIS

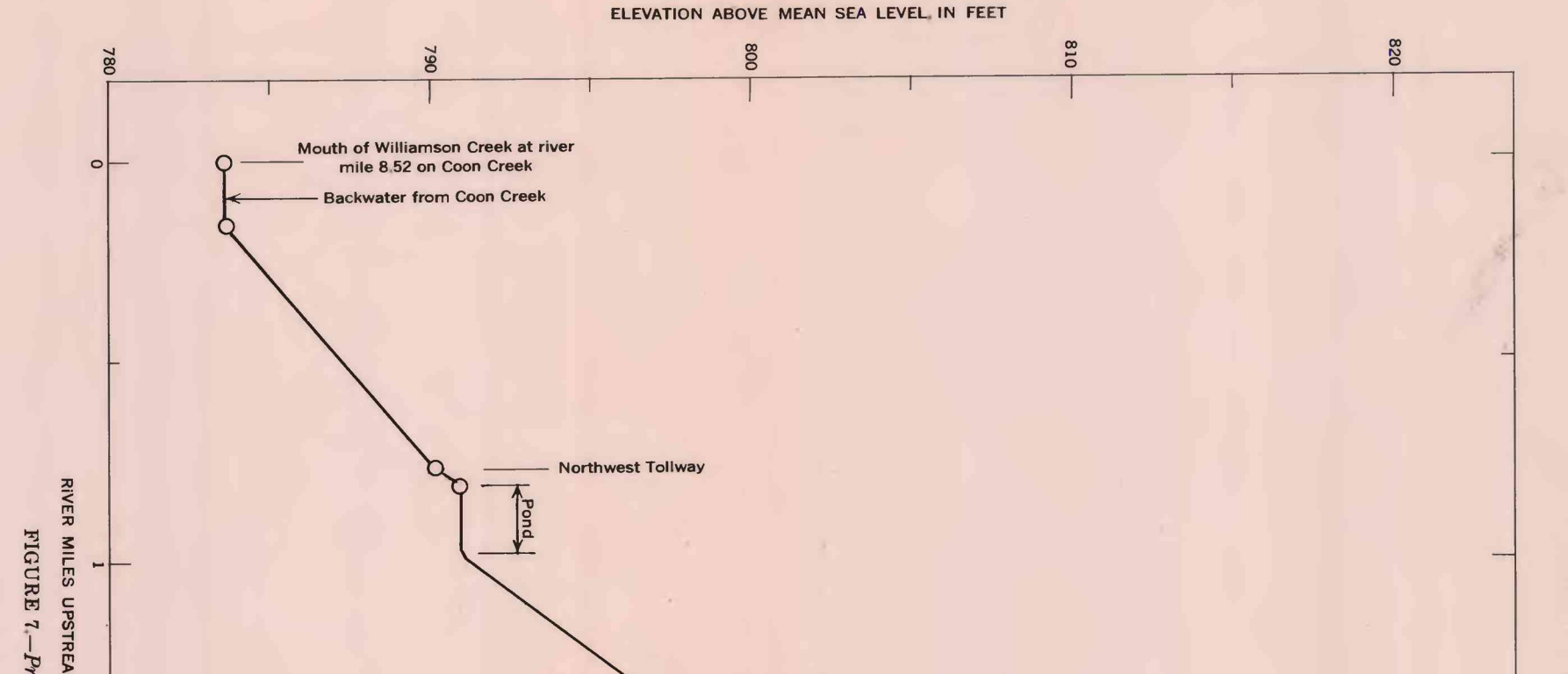
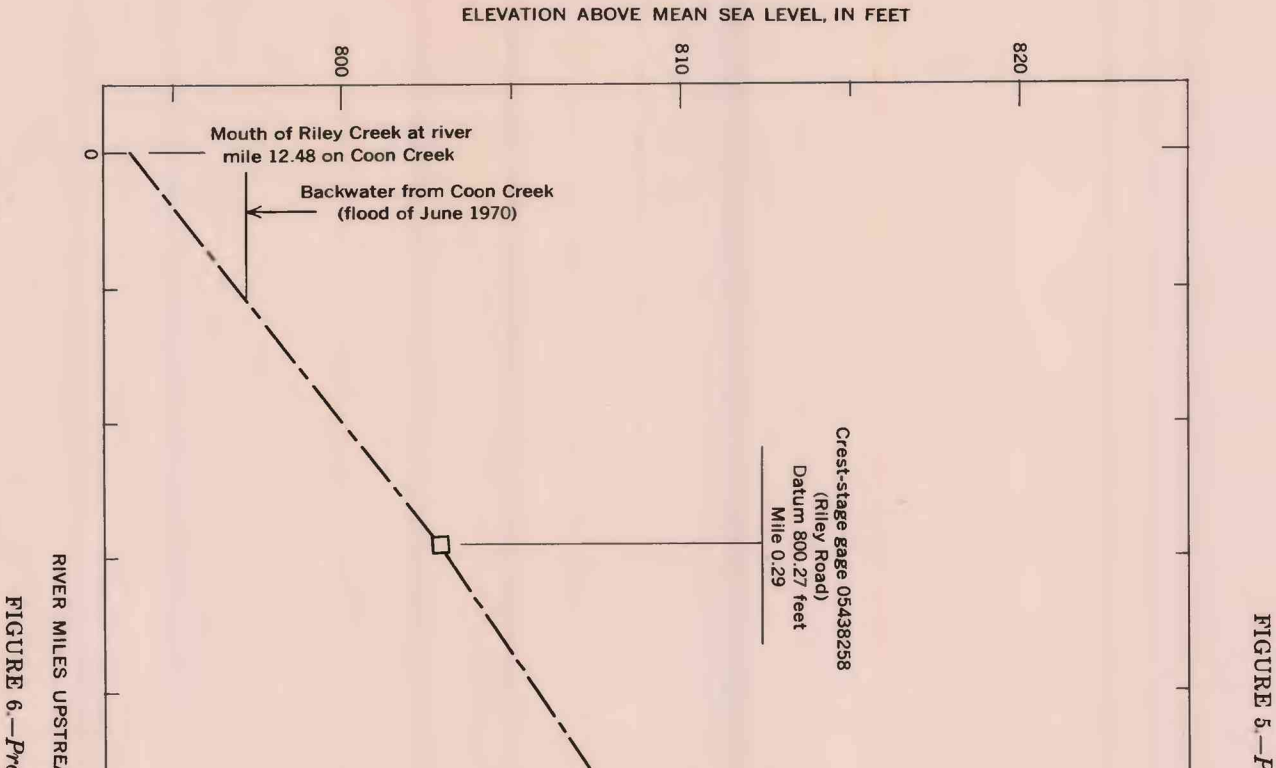
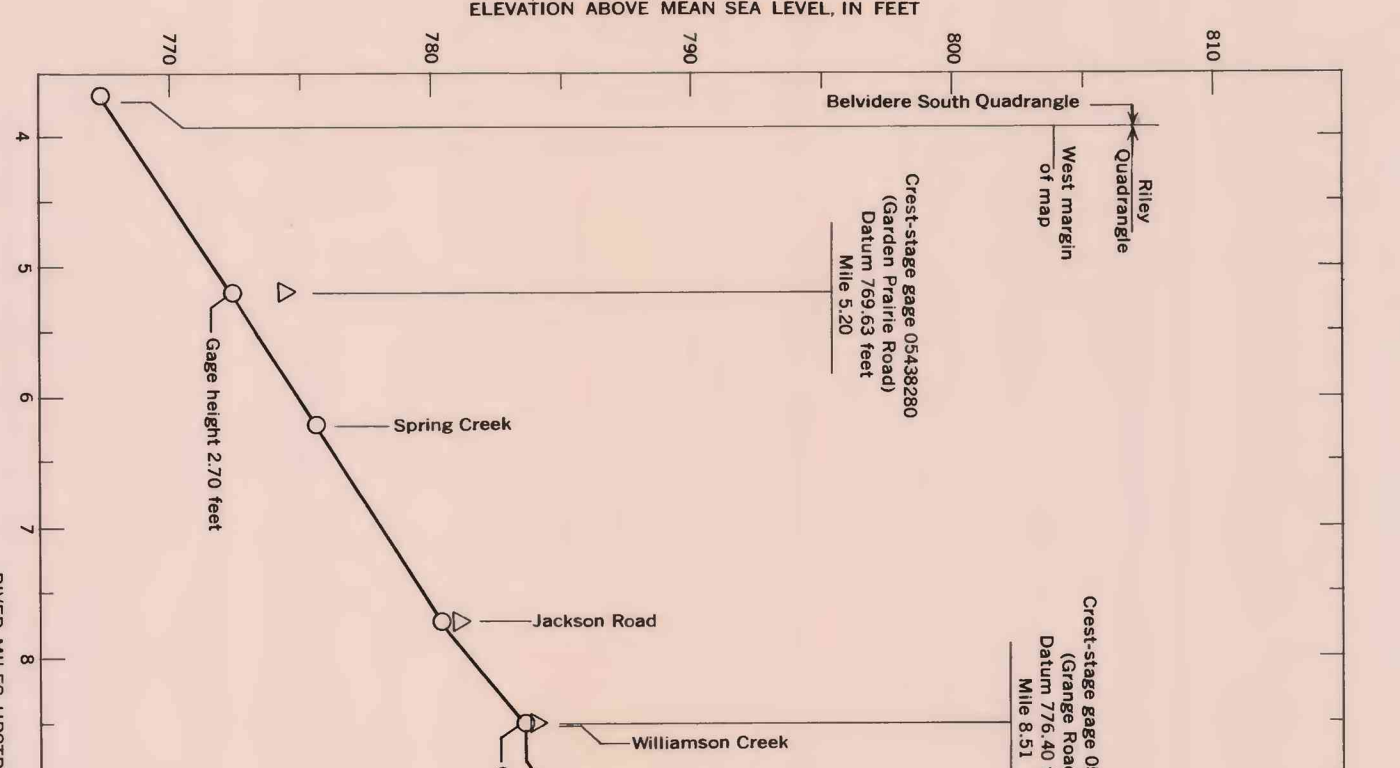
Introduction.—This report presents hydrologic data that can be used to estimate the extent, depth, and frequency of flooding in the Riley quadrangle, northeastern Illinois. It will aid individuals, government agencies, and others responsible for solving existing flood problems and for formulating plans for the future. The report will also be useful for preparing building and zoning regulations, locating waste disposal facilities, developing recreation areas, and resource studies. It is intended to be a general reference for the area shown in figure 1. The stream names and drainage basins are shown in figure 2. The stream names and drainage basins are shown in figure 2.



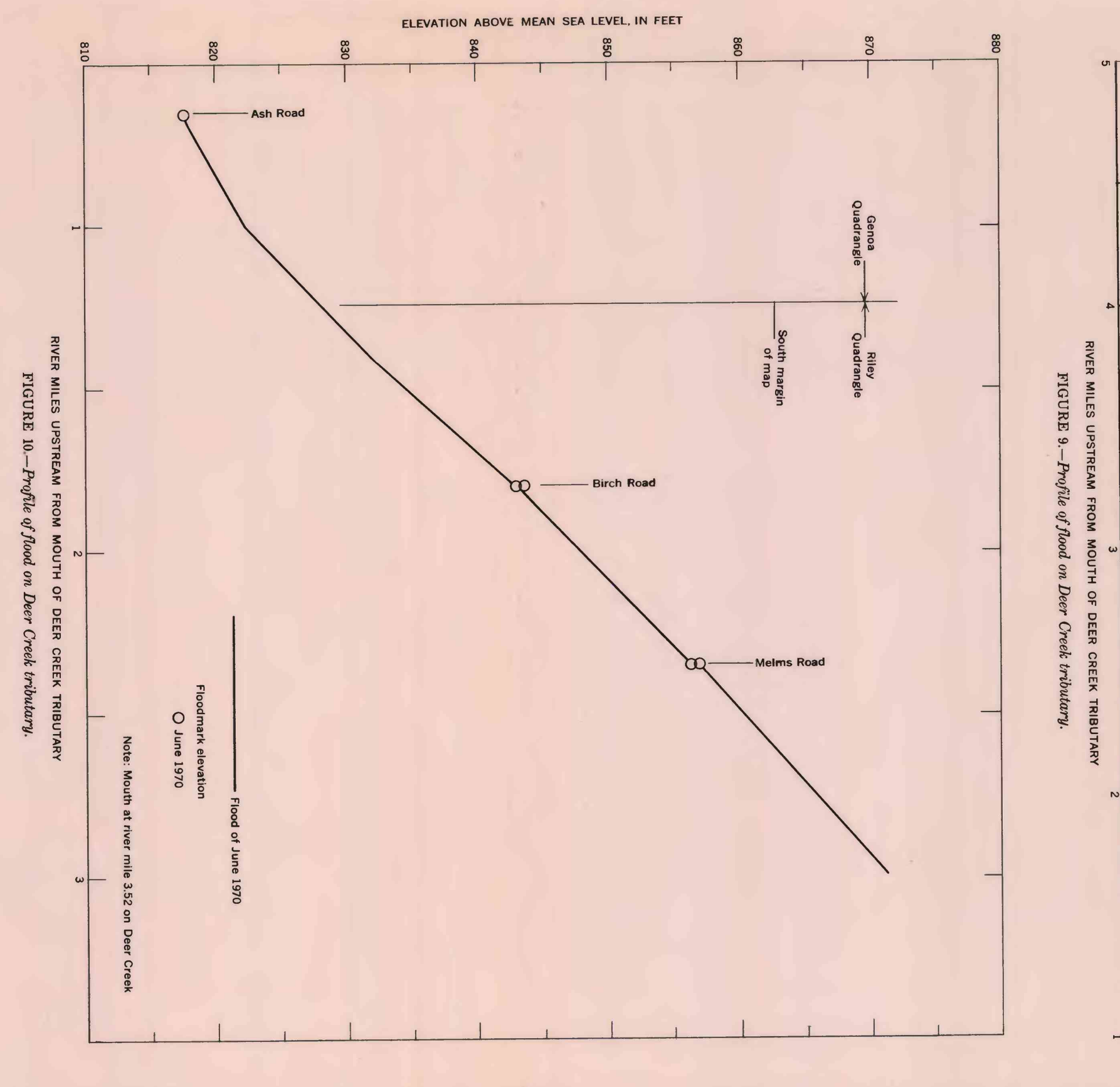
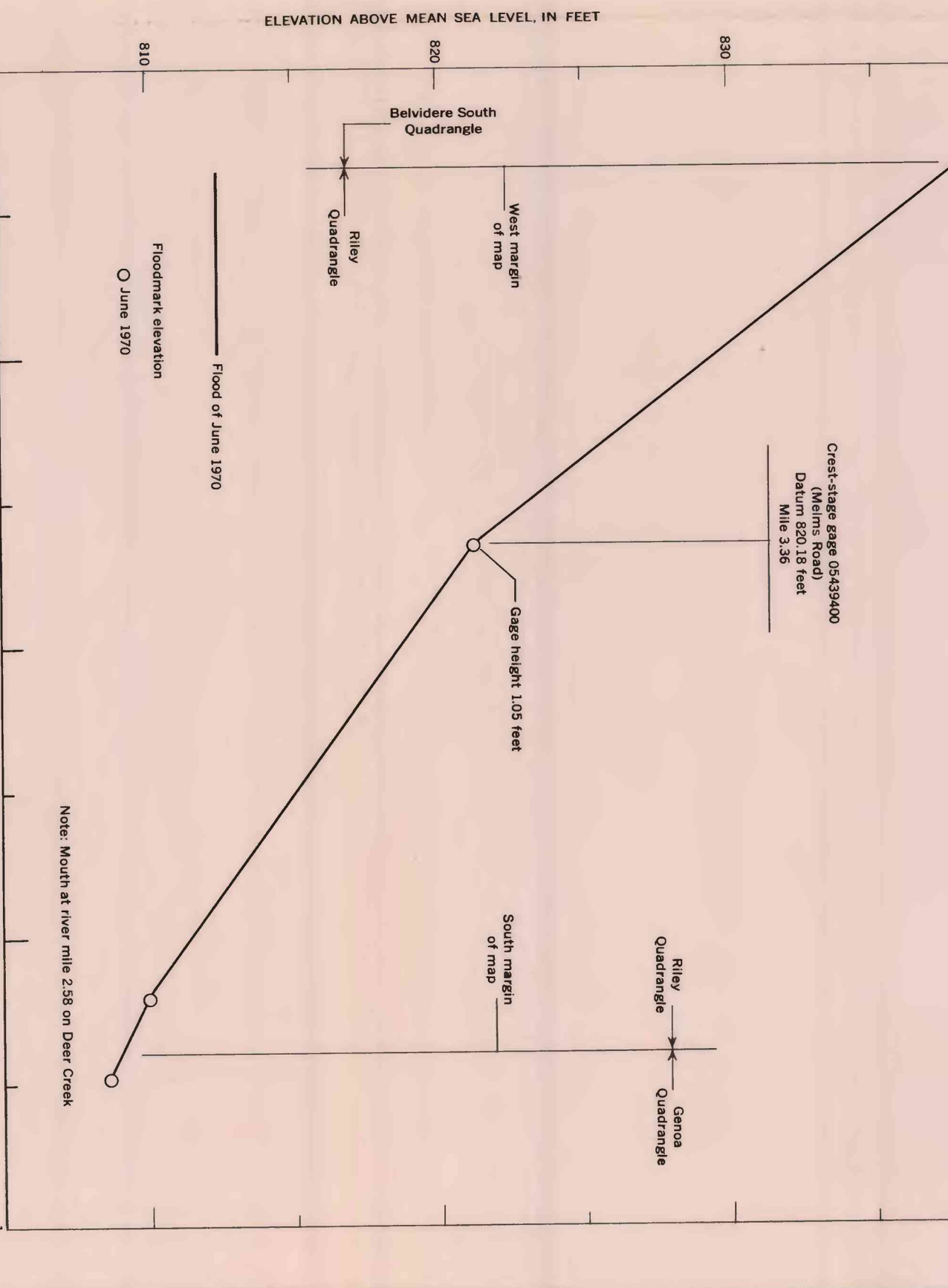
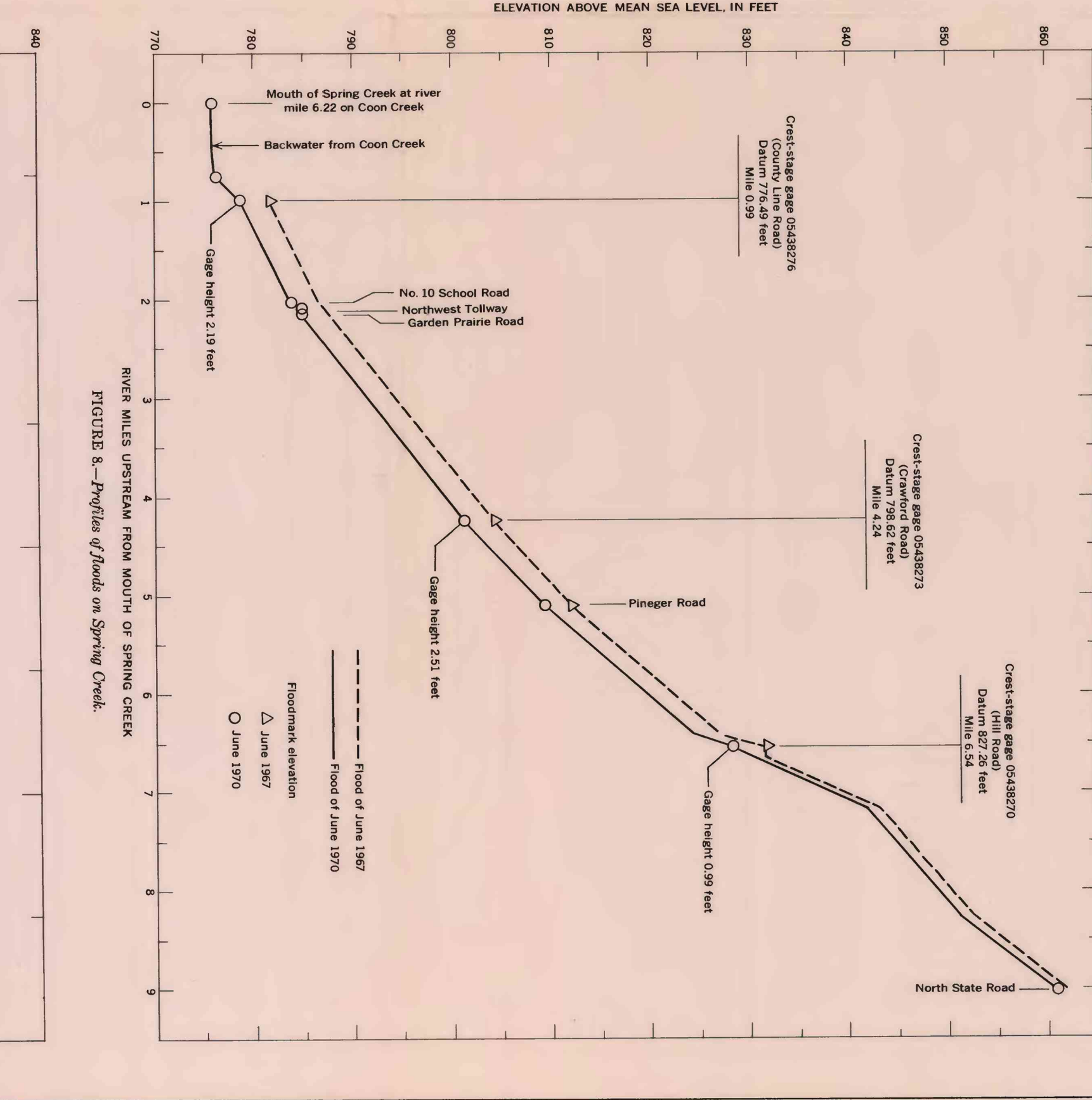
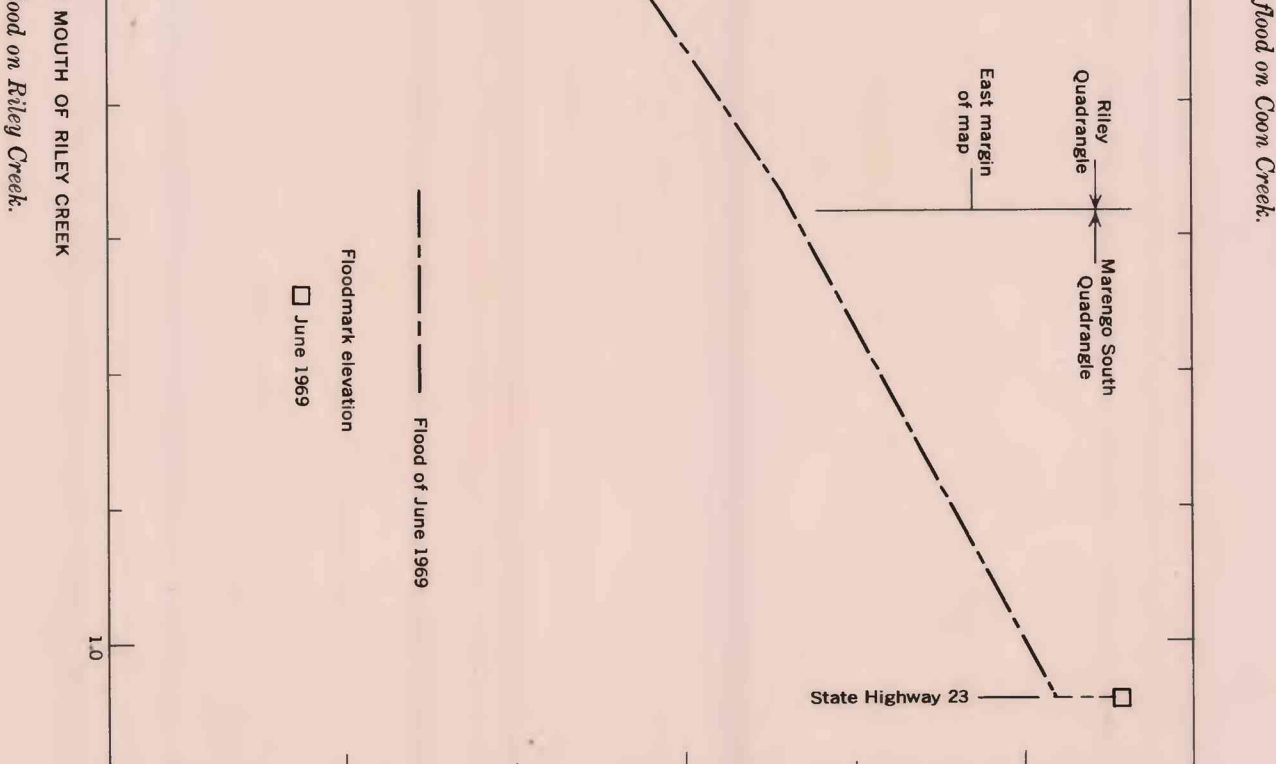
Local residents reported that the flood of June 1970 was one of the highest observed in the last 50 years on Coon Creek. Greater floods than those whose boundaries are shown on the map are possible. The flood boundaries shown provide a basis for estimating the extent of flooding. The flood boundaries shown provide a basis for estimating the extent of flooding. The flood boundaries shown provide a basis for estimating the extent of flooding.



Flood profile.—Profile of the water surface, based on the estimated depth of flooding at any point, can be estimated by subtracting the ground elevation from the water-surface elevation at the same point, indicated by the profiles in figures 5-10. The approximate ground elevation is shown on the map. The approximate ground elevation is shown on the map. The approximate ground elevation is shown on the map.



Additional data.—Other information pertaining to floods in the Riley quadrangle is listed in the following table. The information is based on the data collected by the U.S. Geological Survey, Oak Park, Ill.



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1972