

Figure 1.—The River Raisin watershed in southeastern Michigan showing major tributaries and towns.

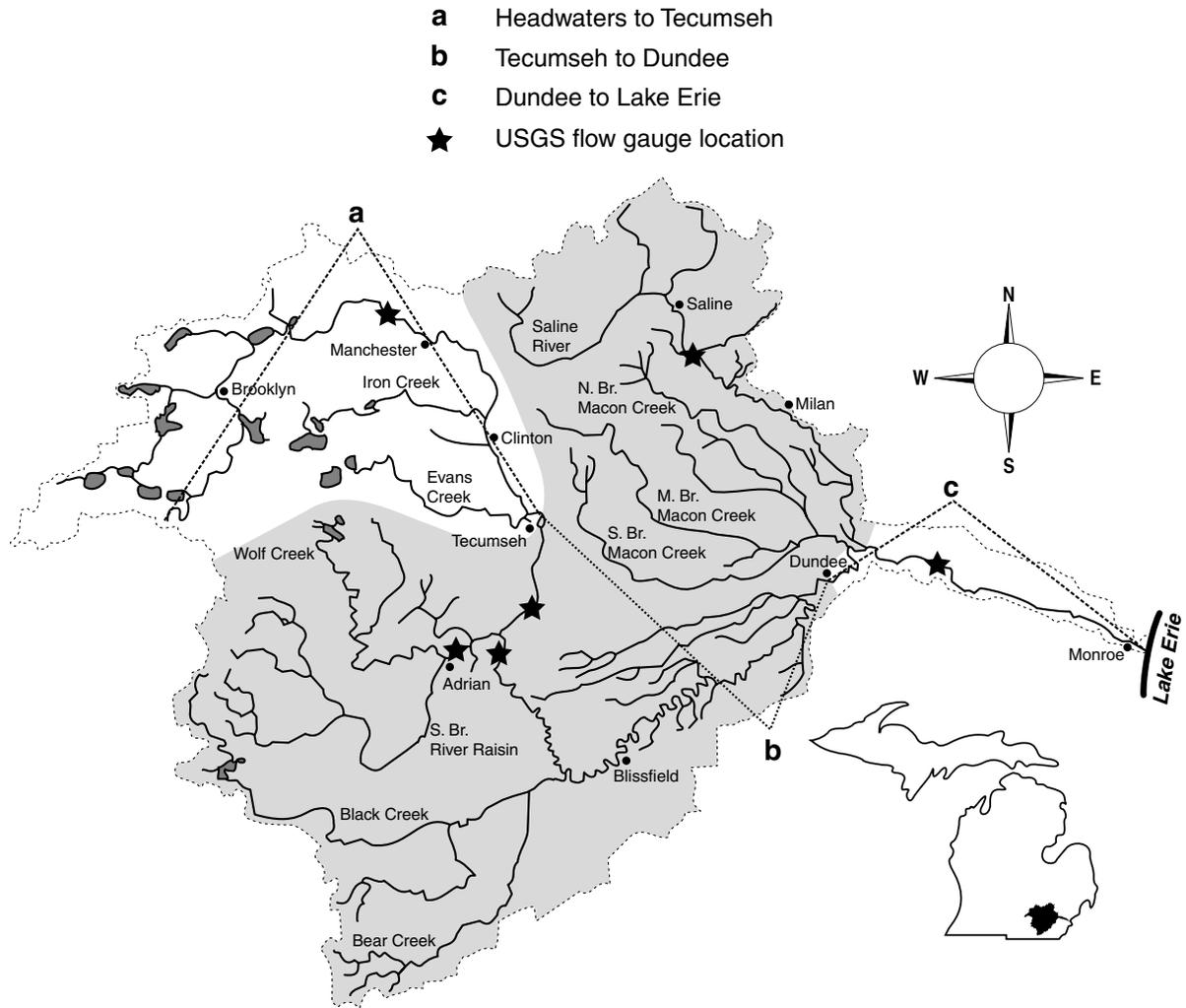


Figure 2.—Location of United States Geological Survey flow gauge stations and mainstem river segments in River Raisin watershed.

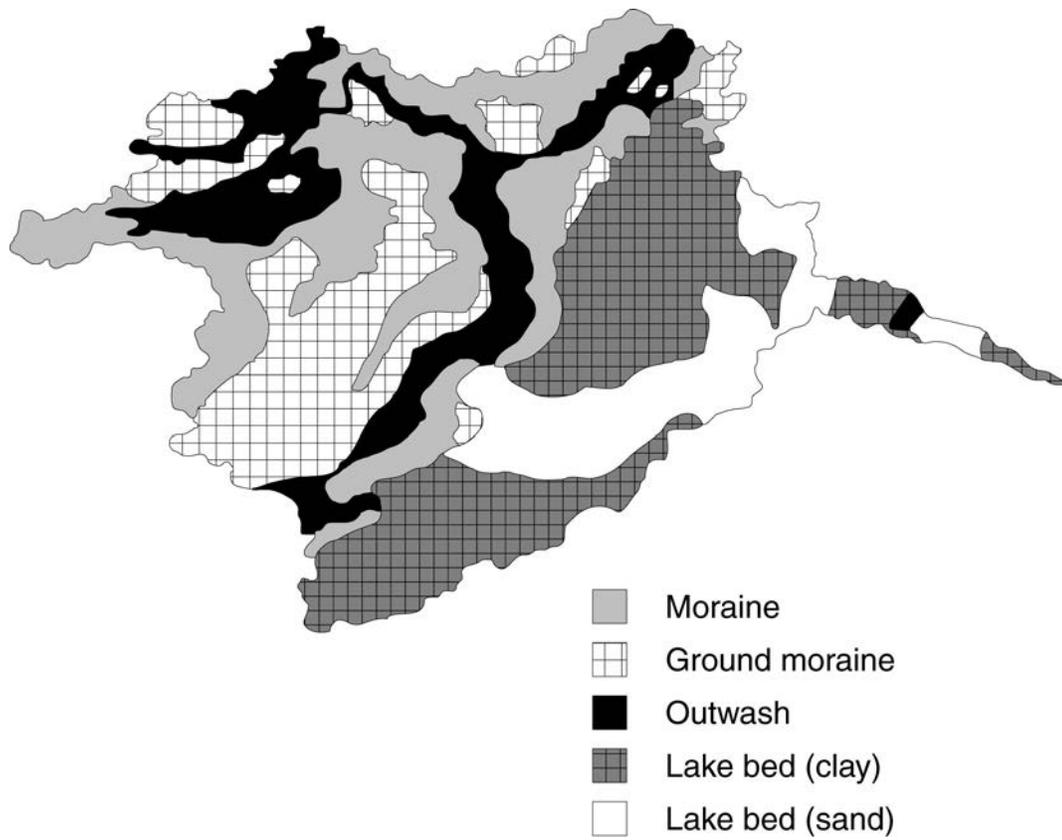


Figure 3.—Surficial geology map of the River Raisin watershed. Data from: Roth 1994.

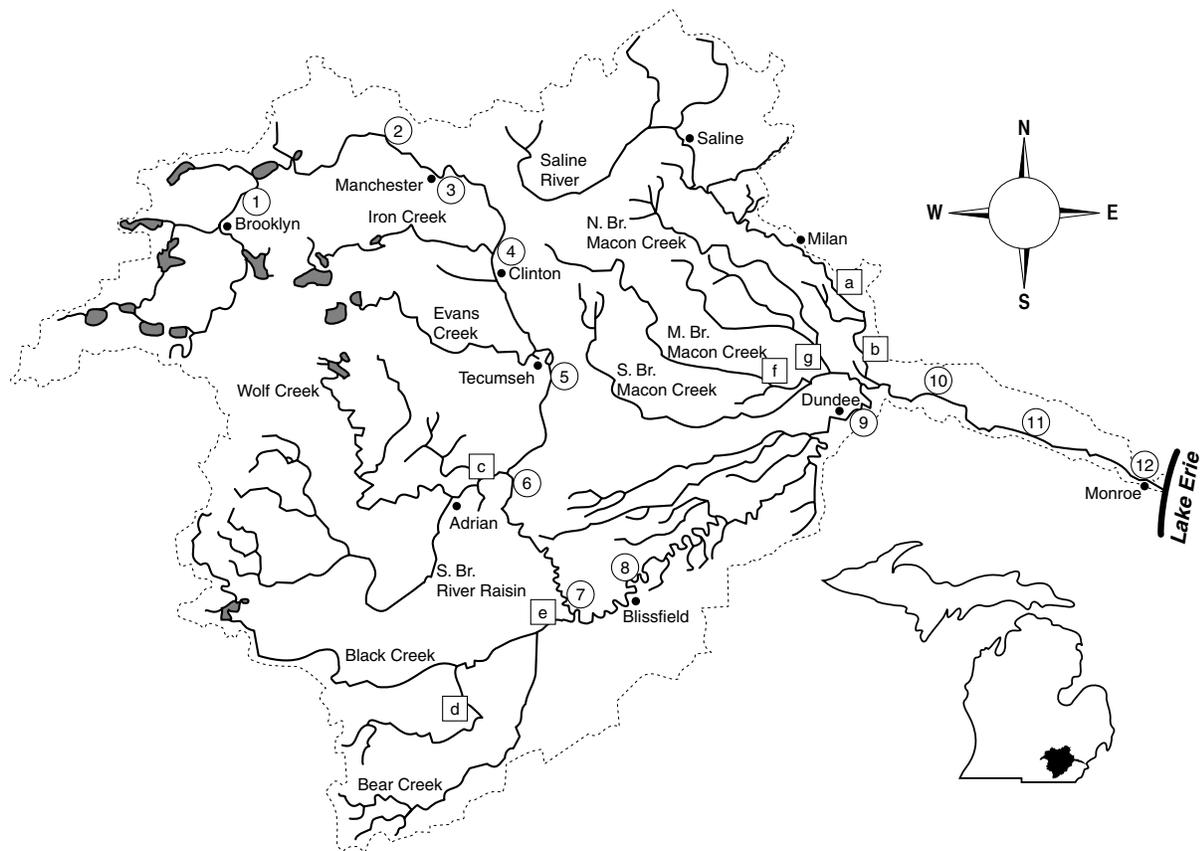


Figure 4.–ERDAS database locations for sites in the River Raisin watershed (See Tables 2, 3, and 4). Data from: P. Seelbach, Michigan Department of Natural Resources, Fisheries Division, personal communication. Circles indicate mainstem sites and squares indicate tributary sites.

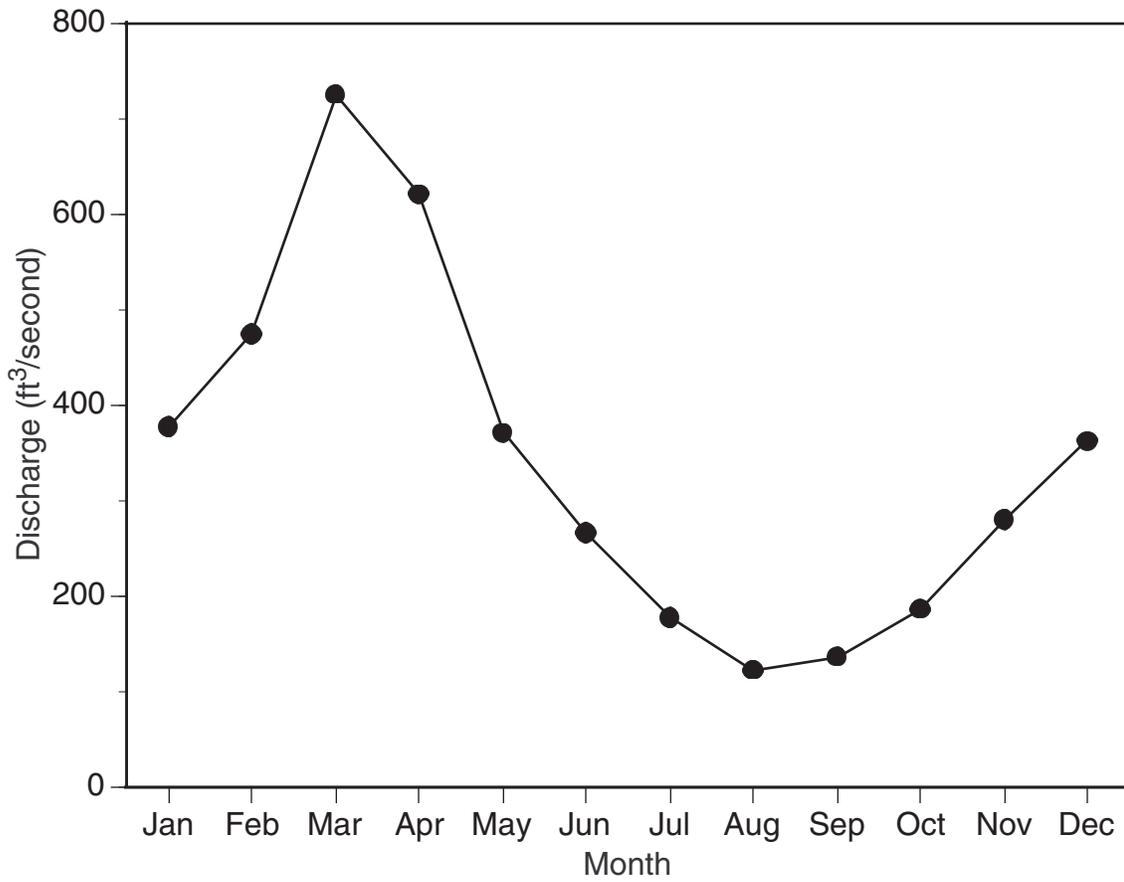


Figure 5.—Mean monthly discharge (cfs) for River Raisin mainstem east of Adrian for the period of record 1954-94. Data from: United States Geological Survey gauge records.

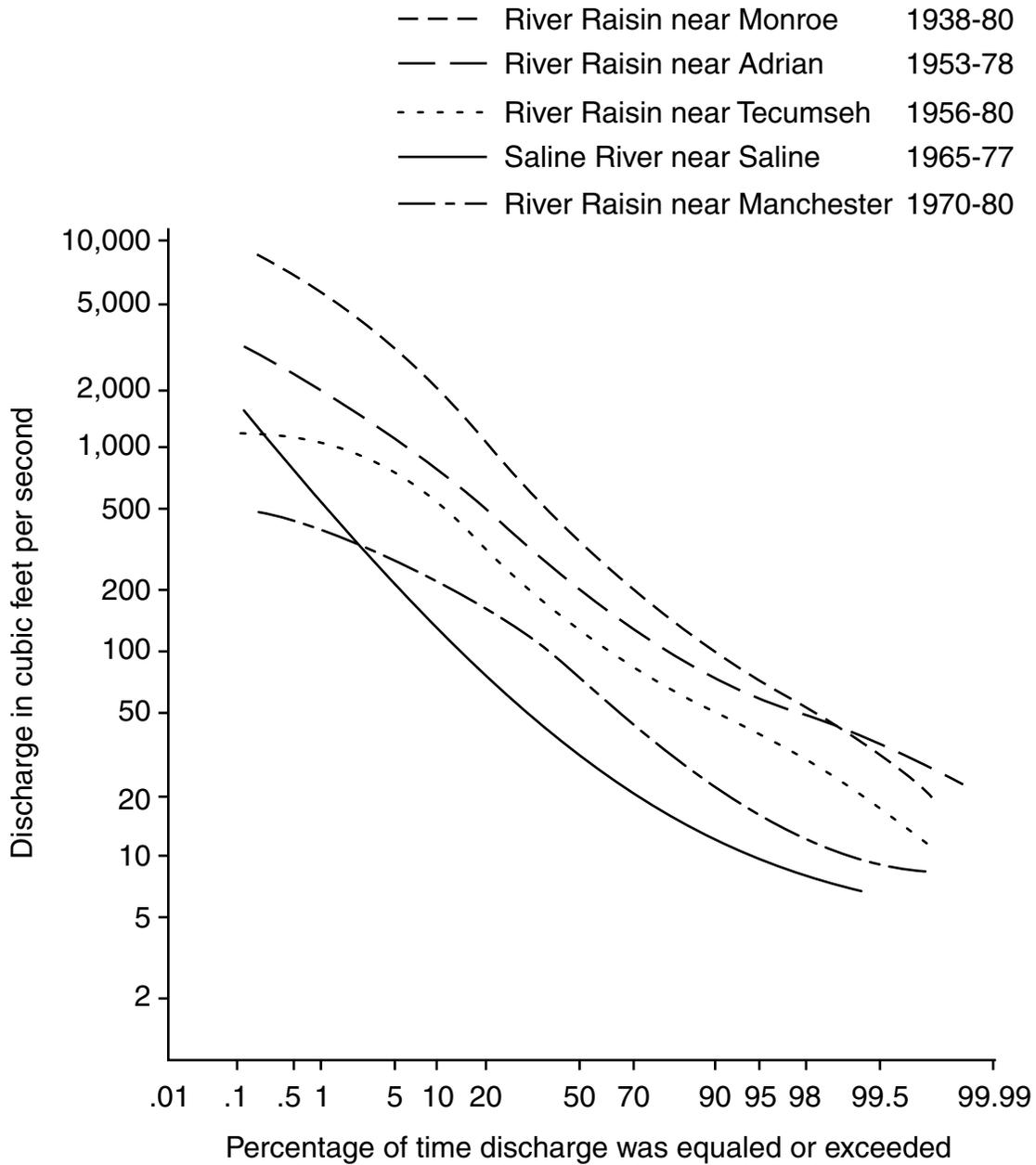


Figure 6.—Flow duration curves for United States Geological Survey gauging stations on River Raisin mainstem and Saline River. See Figure 4 for precise gauge locations. Data from: Fulcher et al. 1986.

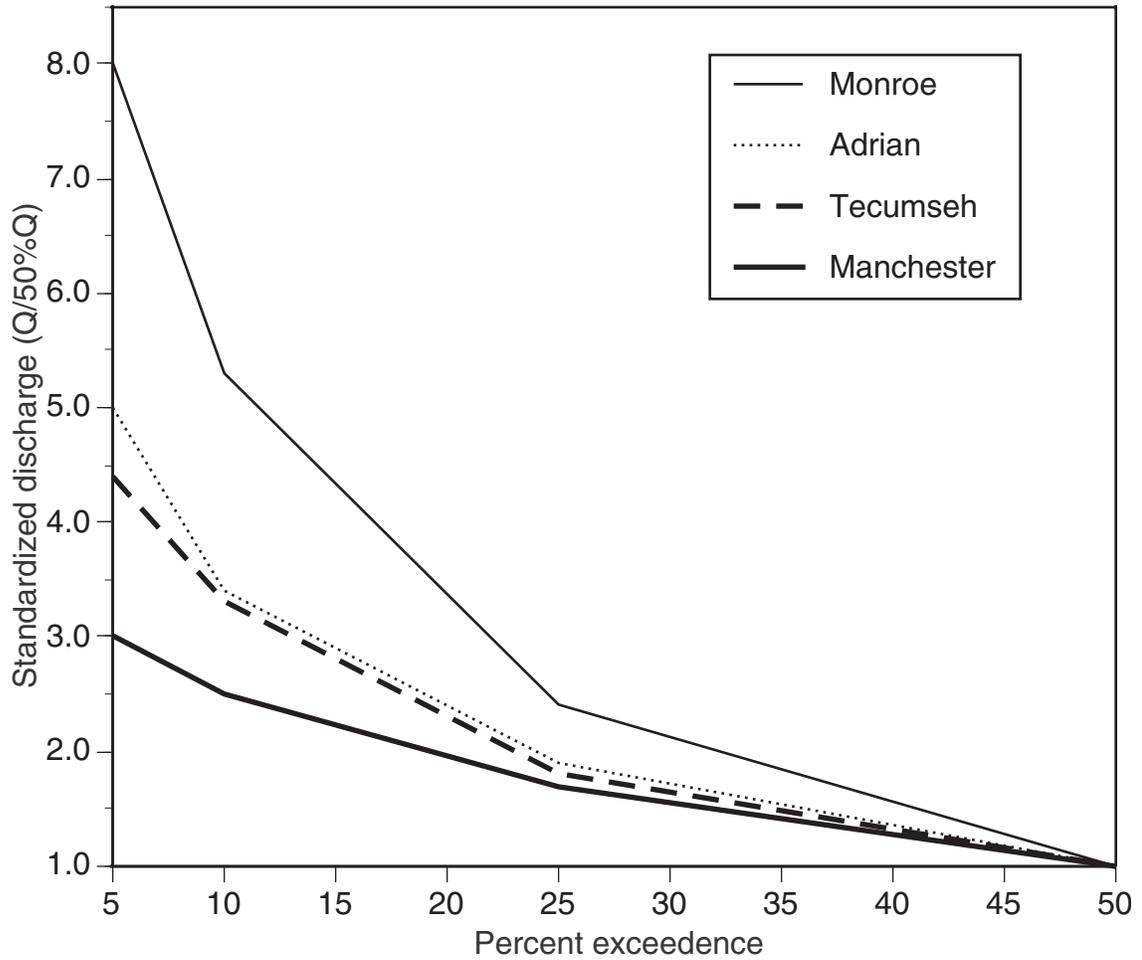


Figure 7.—Standardized high flow exceedence curves for four United States Geological Survey gauge stations on the River Raisin. Data from: United States Geological Survey gauge data for period of record. Standardized discharge is the discharge(Q)/median(50%Q) discharge.

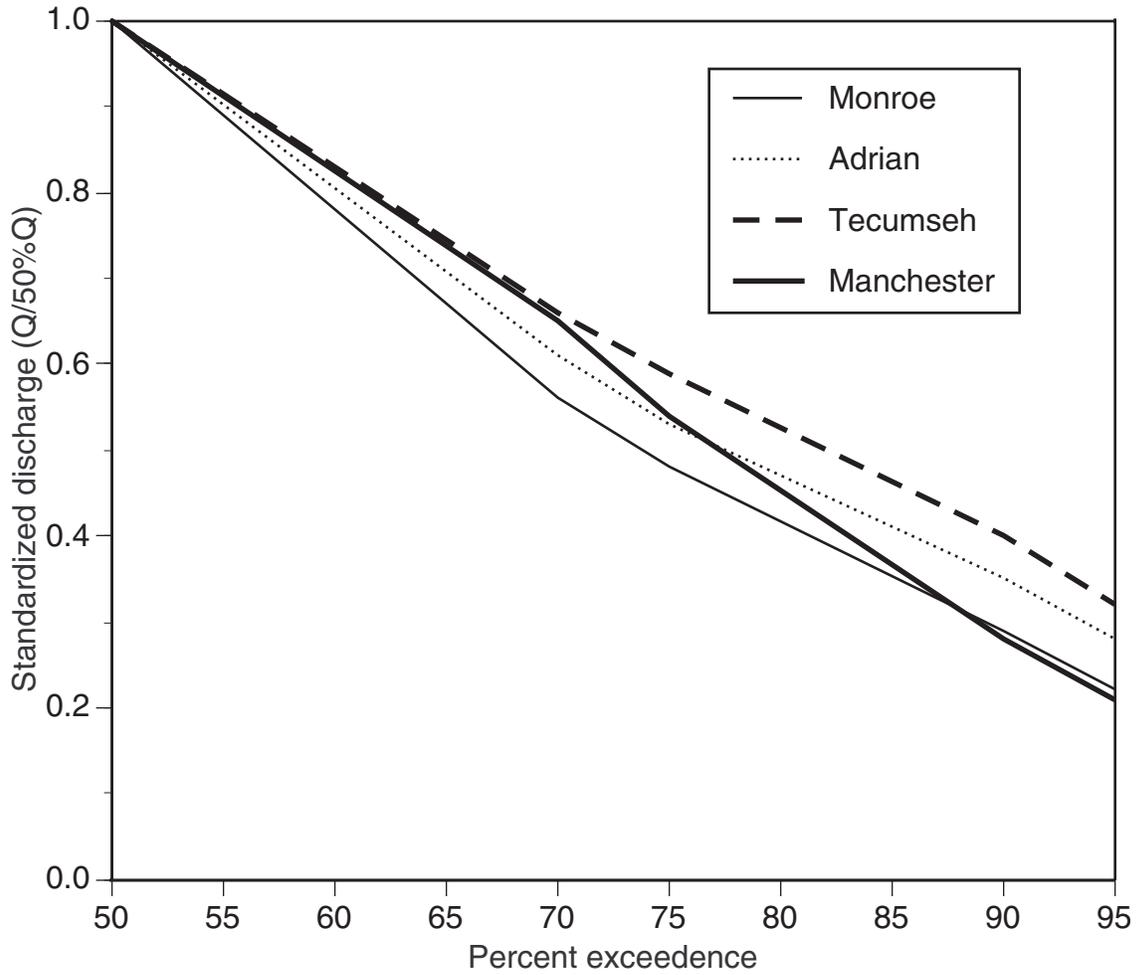


Figure 8.—Standardized low flow exceedence curves for four United States Geological Survey gauge stations on the River Raisin. Data from: United States Geological Survey gauge data for period of record. Standardized discharge is the discharge(Q)/median(50%Q) discharge.

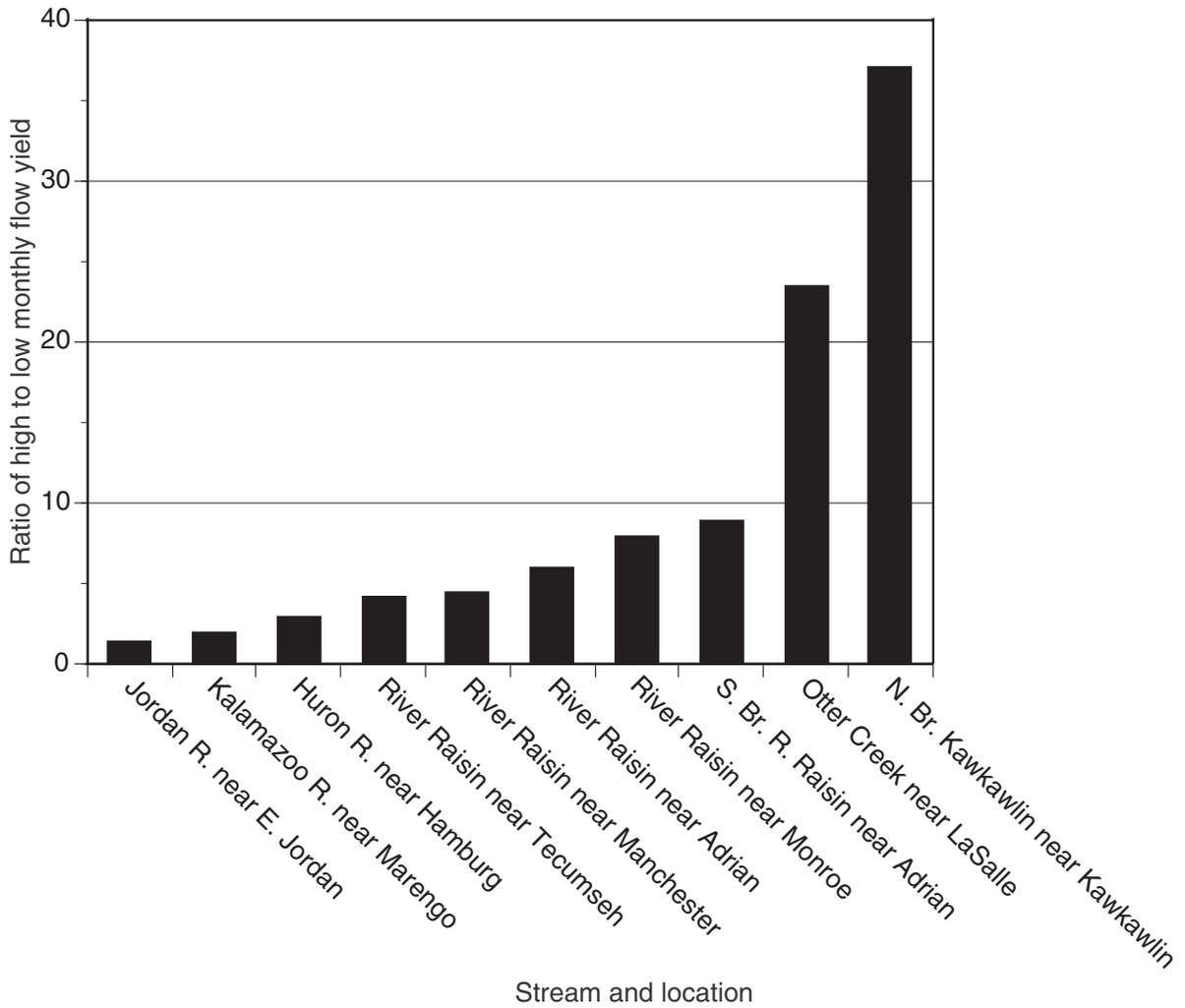


Figure 9.—Ratio of high to low monthly flow yields for sites on selected Michigan streams. Data from: United States Geological Survey gauge records.

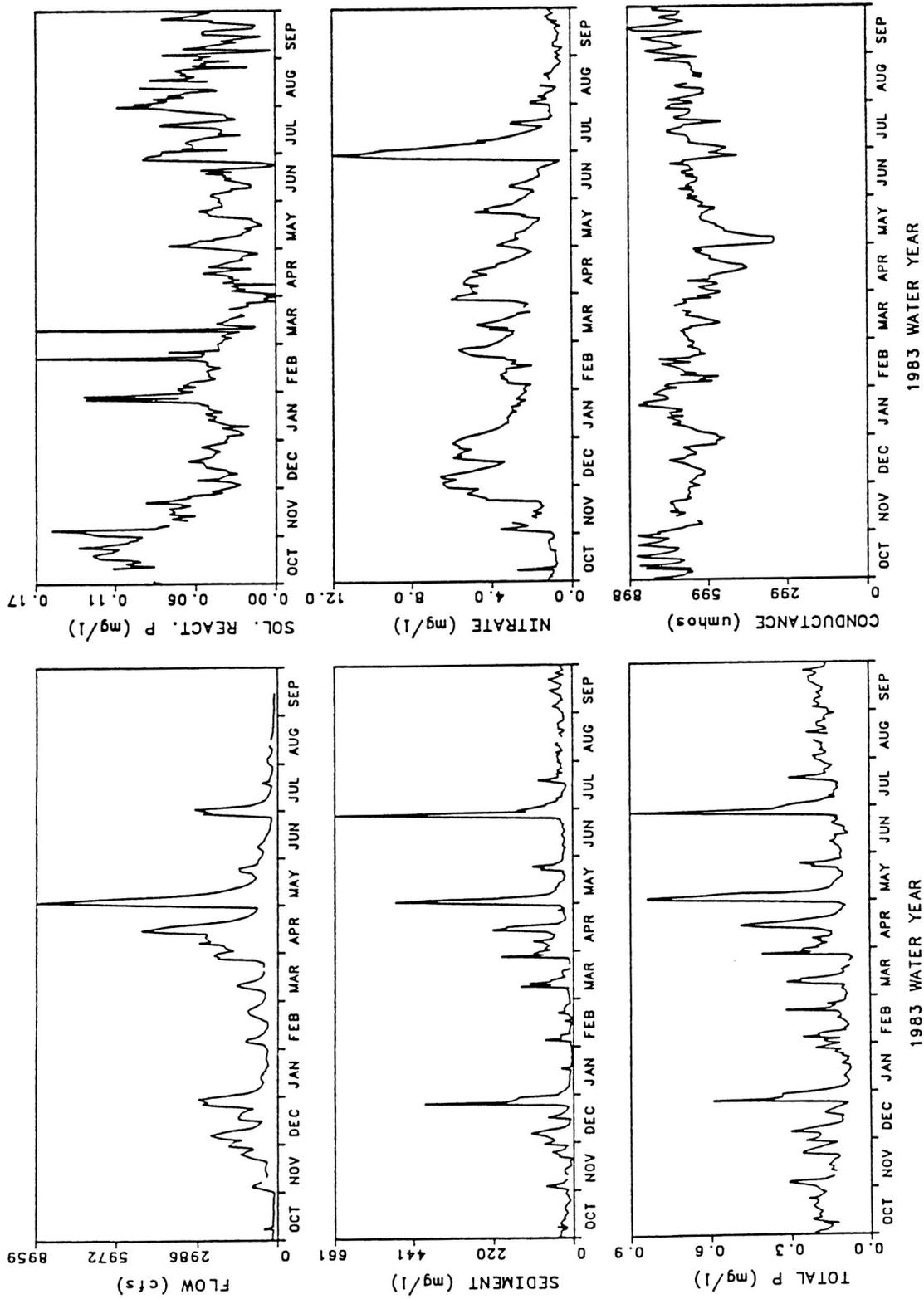


Figure 10.--Annual hydrograph, sedigraph, and nutrient chemograph for the River Raisin at Ida-Maybee Road. Data from: Baker 1988.

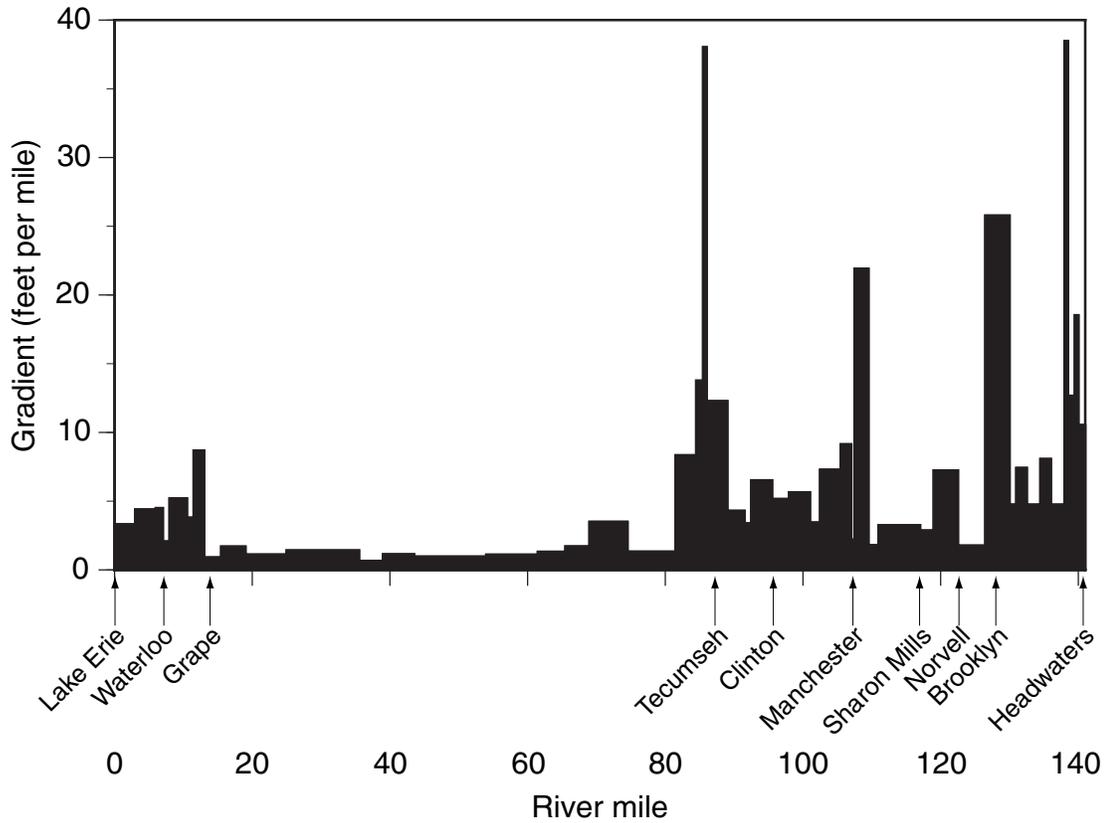


Figure 11a.—Gradient (elevation change in feet per mile) of the mainstem River Raisin from the mouth at Lake Erie to the headwaters. Data from: P. Seelbach and G. Whelan, Michigan Department of Natural Resources, Fisheries Division, personal communication.

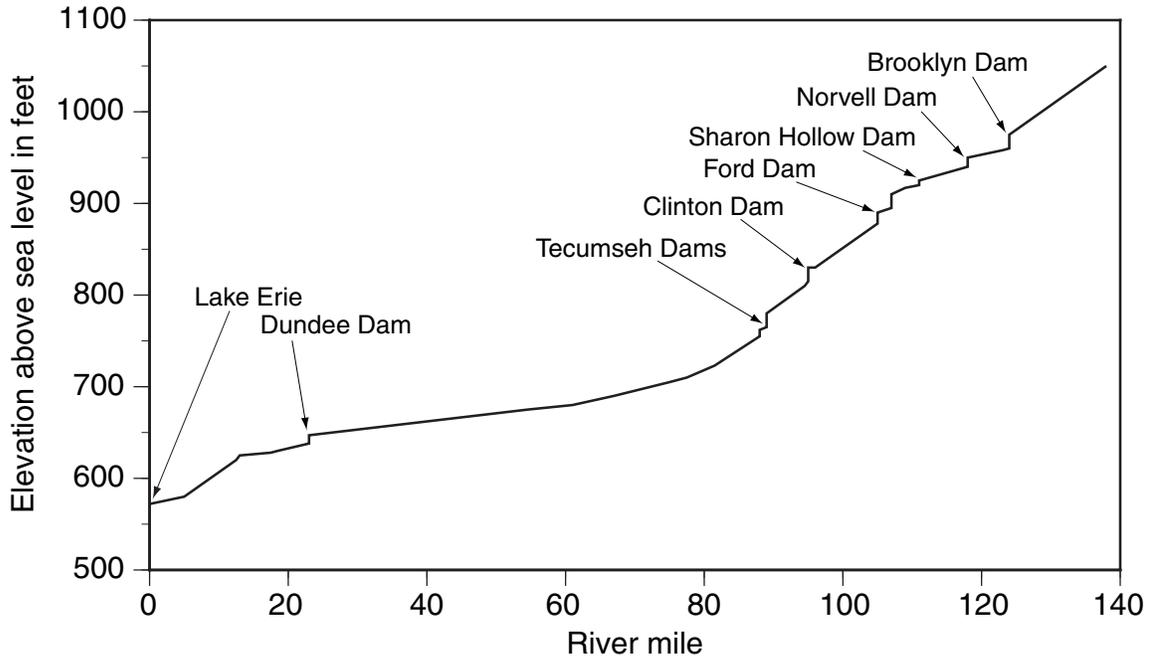


Figure 11b.—Elevation changes by river mile from the mouth to the headwaters of the River Raisin mainstem. Selected major dam locations are noted. Data from: Knutilla and Allen 1975.

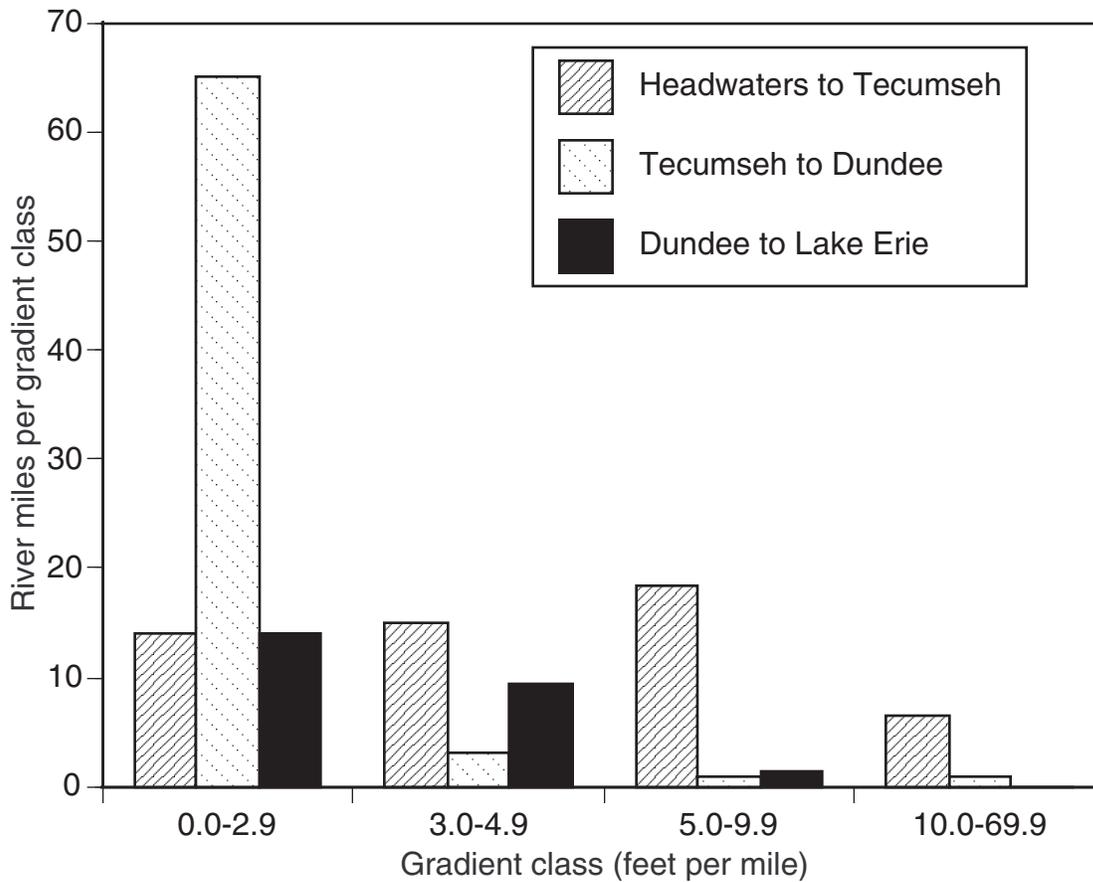


Figure 12.—Gradient classes and length of river in each for three sections of the River Raisin mainstem. Data from: P. Seelbach and G. Whelan, Michigan Department of Natural Resources, Fisheries Division, personal communication.