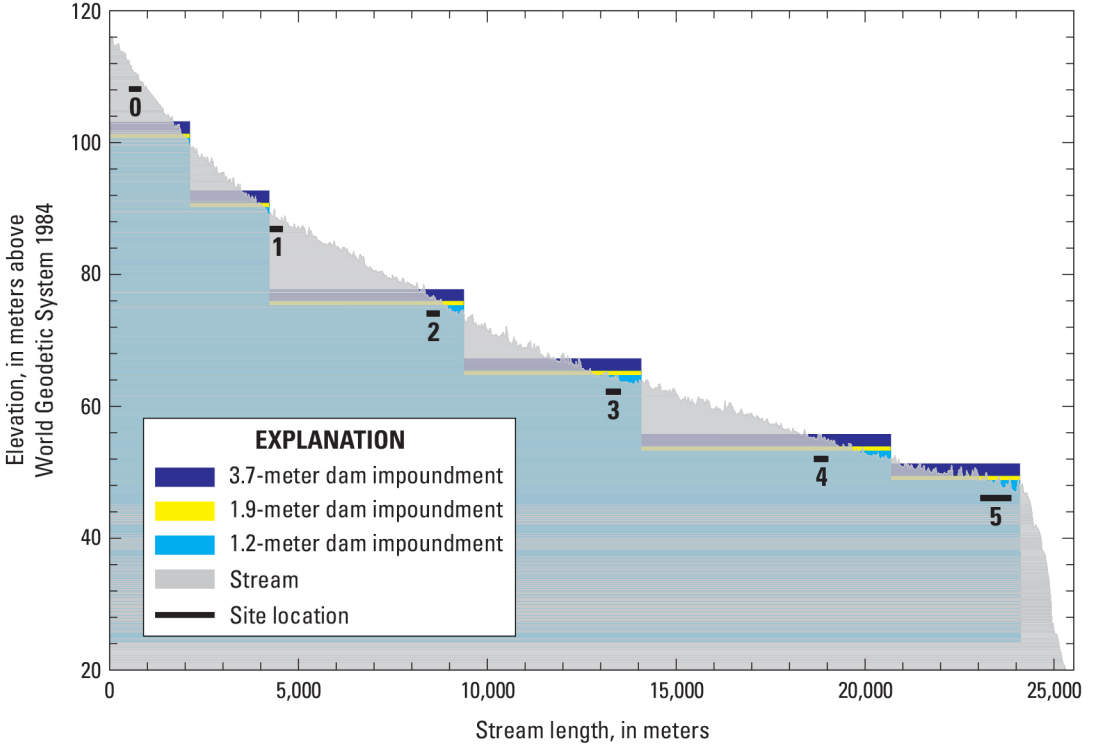

Figure 3. Elevation profile of the water surface of Difficult Run showing the locations of the six study sites (site 0 to site 5) and the simulated impoundment effects of known historical mill locations. (Each impoundment is simulated with 1.2-, 1.9-, and 3.7-meter-tall dams, the range of likely dam heights in the region (see Merritts and others, 2011). Historical mill locations were identified by John Rutherford (Fairfax County Park Authority, written commun., 2008). The width of the black bar at each of the six study sites indicates the length of the study reach. Elevations determined by light detection and ranging (LiDAR). (Modified from Hupp and others, 2013.)