

Walkkill River Longitudinal Profile near Pellets Island, NY

HydroQuest survey results document the very low hydraulic gradient from Pt. B to Pt. E (1.0 mile) = 0.00065 (= 3.45 ft/mile). Location D is the location of a USGS gaging station formerly present a short distance down river from the Pellets Island bridge. Massive tree dams and slumping banks situated down river of the Pellets Island bridge constricted the river channel, resulting in back flooding and increased upriver flood levels.

