



The project site overlies a highly productive aquifer which forms the headwater recharge area to wetlands, groundwater, and streamflow. Hydrologically, it is situated atop highly permeable glacial outwash sands and gravels, including those of Hoosic series soils. High site percolation rates range from 4 in/hr to 92 in/hr. While site hydrogeologic data has not been collected yet, calculated groundwater flow rates probably range between 2 and 16 ft/day based on published values. This velocity rate would quickly conduct miscible hydrocarbons and other partially treated contaminants to wetlands. Pumping of the Scott well, less than 250 feet from the project site, would likely pull contaminants into its pumping radius. Site development with a major contaminant source poses risk to groundwater, well, and surface water quality, as well as wetland health and biodiversity. HydroQuest graphic. 3-05-19