



Before - Eroded stormwater channel leading to creek. Roots of black walnut exposed.



After - Rock and log sills added to stabilize and fill in eroded channel. Soil added to cover exposed roots and native plants added to help stabilize the soil and provide habitat. Tadpoles have already taken up residence in the newly created pools behind the sills.



Before - Two eroded stormwater channels (right and left sides) and eroded streambank (middle). Also many exotic plants (bush honey suckle and privet).



After - Exotic plants removed and rain garden system installed above path. Eroded channels stabilized with sill logs, filled with soil and planted with native plants. Streambank stabilized with coir log and coir fabric and planted with native grasses, sedges and rushes.



After - Closeup view of streambank stabilization



After - Closeup view of stabilized erosion channel after planting. Existing logs from the site used to create the sills and other logs replaced back on top in order to keep the natural habitat and look intact.



After - View upstream showing the installation of a sill log across the stream. The stream is heavily incised, so sill logs are being used to help bring the stream bed and water level back up to historic conditions, which will help return the system to its natural floodplain.