Warwick Township Municipal Campus Bio-basin



The bio-basin located at the Warwick Township Municipal Campus serves as a stormwater management facility that filters pollutants, primarily nutrients such as nitrates and phosphates from nearby farms and lawns from surface runoff. This runoff is retained in the basin for a time before eventually infiltrating into the ground, and from there to the Lititz Run stream. This helps to improve the health of the Lititz Run, as well as the Conestoga River, the Susquehanna River, and ultimately the Chesapeake Bay. The basin (and especially the forebay) also traps sediments, thus further aiding in the maintenance of the health of the watershed.

A variety of native plants are planted in the basin. The trees are Betula nigra 'Heritage' (river birch). There are four species of shrubs: Clethra alnifolia (sweet pepperbush), Viburnum dentatum (arrowwood), Cornus sericea (red-osier dogwood), and llex verticillata (winterberry). Finally, there are the beautiful, native flowering perennials: Aster novae-angliae (New England Aster), Iris versicolor (blue flag), Chelone glabra (turtlehead), Lobelia siphilitica (great blue lobelia), Senecio aureus (golden ragwort), and Juncus effusus (soft rush).