

Goldstein Plot 1 (GSP1): 1 acre

Site composed of predominately of upland Downer-Dodon complex soils (DoG) in the eastern half, and wetland Zekiah and Issue soils (ZBA) in the western/southern portion of the plot. Steep topography dissects the plot roughly in half, separating the upland from the lowland soils. Several ephemeral streams connect into one near the northern portion of the plot and flow into the wetland constituting the western half of the acre. These streams/wetland drain directly into Parkers Creek, roughly 100-200 yards south of the plot.

The DoG soil complex is typically well-drained and frequenting slopes of 25-80% grade. Major soil type within the Parkers Creek Watershed.

Zekiah and Issue soils are poorly-drained and located in wetlands, floodplains, and areas with gradual rise (0-2% grade). Runoff is high and areas with this soil are typically flooded.

Gravatt West Plot 1 (GWP1): 1 acre

Site is composed of Woodstown sandy loam soil complexes (WdaB & WdC). These soils are moderately well-drained, possess 2-5% slope, and their parent material is primarily composed of fluviomarine deposits. These soils are considered prime farmland. Aerial imagery from the Calvert County Interpretive map services show that this plot was in agricultural production (most likely tobacco) in 1938 and 1957, but was forested in 1993. GWP1 is positioned on top of a large ridge and gently descends towards the NE section of the plot.

Gravatt East Plot 1 (GEP1): 1 acre

Site soils are predominately DoG complexes with a Beltsville-Aquasco complex (BeB) in the southeast corner of the plot. The site is located on top of a ridge and descends towards the north and eastern sections of the plot. Imagery from Calvert County Interpretive map services show that this plot has been forested since at least 1938.

BeB soil complex is a silt-loam frequenting slopes with 2-5% grade. Soils are moderately well-drained and parent material is fluviomarine deposits layered with eolian deposits.

Ward Plot 1 (WDP1): 1 acre

Site is composed of Ingleside-Woodstown complexes (IwD & IwC) and Matapeake-Beltsville complex (MeB). Topography within the plot is relatively horizontal with a gentle slope towards the southern half of the property. This site is adjacent to the Parkers Creek Loop trail and has been predominately forested since 1938.

IwC complexes are a loamy sand with slopes of 5-10% grade. Soils are well-drained with very low runoff. Designated as farmland of statewide importance.

IwD complexes are also a loamy sand with slopes of 10-15% grade. These soils are also well-drained with low runoff and are designated as farmland of statewide importance.

MeB complexes are a silt loam with slopes of 2-5% grade. Soils are well-drained with low runoff and are considered prime farmland.

***All data collected from USDA Web Soil Survey**