

Introduction & Purpose

Clermont County desires to protect, preserve and conserve its natural resources. The Clermont Soil and Water Conservation District (SWCD) is the main entity that works with landowners to help address soil and water conservation issues.

This chapter will focus on several important elements to maintain and preserve Clermont County's natural systems.

Chapter Elements:

- Soils
- Erosion Prone Areas / Landslides
- Water Sources
- Storm Water / Watersheds
- Floodplains
- Wetlands
- Conservation Projects
- Land Conservation
- Wildlife and Forestry Conservation

The Clermont SWCD, like many other SWCDs, has become a multi-faceted agency that works with rural, suburban and urban landowners alike. The SWCD is

also focused on working with the Natural Resources Conservation Service and farmers to control erosion, promote water quality, and enhance wildlife habitat on agricultural working lands.

The district also provides technical assistance, grants and cost share funding, educational programming and other resources to landowners to help them address a diverse range of local conservation issues.

Other agencies/organizations that provide education, technical services and/or facilitate conservation projects:

- Clermont Office of Environmental Quality: Water quality monitoring program
- Clermont/Adams Solid Waste Management District
- Clermont County Park District: Facilitate/Manage land preservation, natural resources conservation projects
- Natural Resources Conservation Services (Federal, USDA program): Provide financial and technical assistance to farmers for natural resource protection
- OSU Extension: provides educational programs on a range of topics/issues, including agriculture, horticulture, etc.



Clermont County Soils

Soil maps provide critical resource information to Clermont County because soil is not just important to agriculture. Soils are also important to woodland management, development of recreational areas, building and construction materials, sanitation facilities, wildlife habitat, and water management.

Clermont soils are considered hydric, meaning they have similar characteristics to wetlands. Found on nearly level terrain, they generally are poorly drained, have very slow permeability and runoff rates, and experience surface ponding and seasonal wetness. The constant wetness of the soil can become a severe limitation for farming practices and land development. Clermont soils also limit the effective placement of on-site septic systems, as the constant soils moisture prevents the effluent from infiltrating. Hydraulic soils such as Avonburg and Rossmoyne soils create challenges for agriculture, development and drainage in general.

Avonburg soils consist mostly of clay material, and therefore have a very slow permeability and are poorly drained. These soils are found on nearly level terrain causing runoff to be somewhat slow. Seasonal wetness can also become a limitation for agriculture and the placement of on-site septic systems.

The Rossmoyne soils are generally found on sloped upland ridge tops. Because of the slope, these soils are moderately well drained, however the soil itself has a moderately slow permeability. Some soils types within this series can be found on relatively steep slopes, causing increased erosion rates. Similar to the Clermont and Avonburg soils, the Rossmoyne soils have a seasonal high water table, which often prevents water from infiltrating following seasonal rains."

Soil Classes/Series

Soils are classified into orders, suborders, great groups, subgroups, families, and series. Series are the lowest and most specific category of the classification system. Soil composition patterns in the county are related to the geology, landforms, relief, climate, and natural vegetation of the area.

The series is determined by the characteristics of the soil profile including physical, chemical, and biological properties of the soil profile. Each soil series is assigned a name, which is usually derived from a town, river, or other landmark near where the soil was first identified. There are over 400 different soil series in the state of Ohio.

Soil Survey / Soil Survey Manuscript

A printed copy of the original Clermont County Soil Survey originally published in September 1975, is still currently available for viewing at the SWCD office.

The Soil Survey online provides the most accurate and updated information regarding soils. The soil survey manuscript online contains information on Clermont County, the procedure for creating the Clermont County Soil Survey, descriptions of general and detailed soil map units, table descriptions, factors and processes of soil formation, soil morphology, etc.

Web Soil Survey available at:

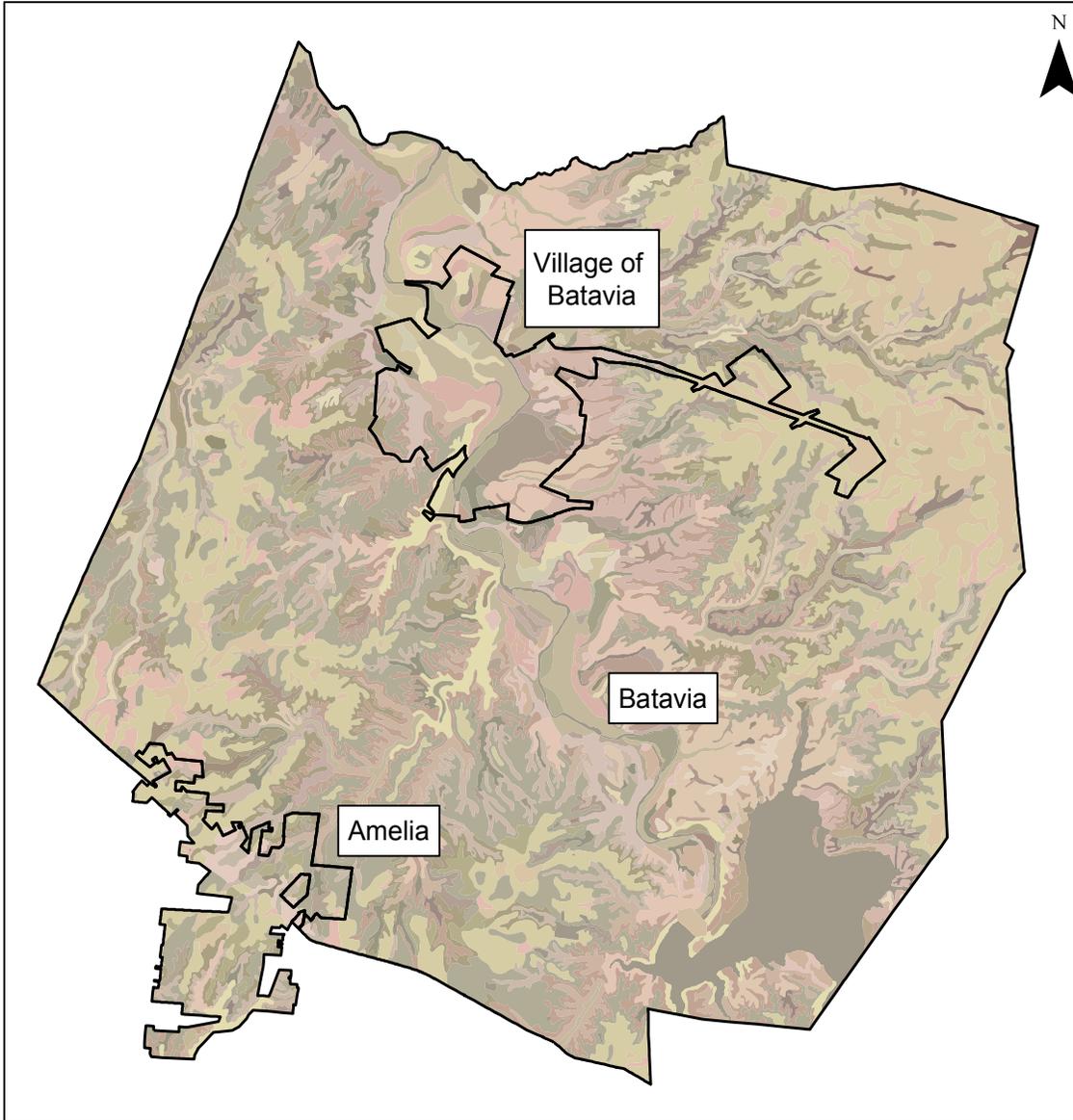
<http://www.clermontswcd.org/SoilSurvey.aspx>

The following maps show what soil types are located within each township in Clermont County based on the county's soil survey.

- Excerpts/picture taken from Clermont Soil and Water Conservation District
- Butler, B. E. (1980). Soil classification for soil survey. Oxford: Oxford Science Publications.Science, 96,.

Batavia Township Soil Types

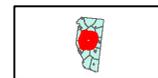
Data Provided By: Clermont County GIS



Legend

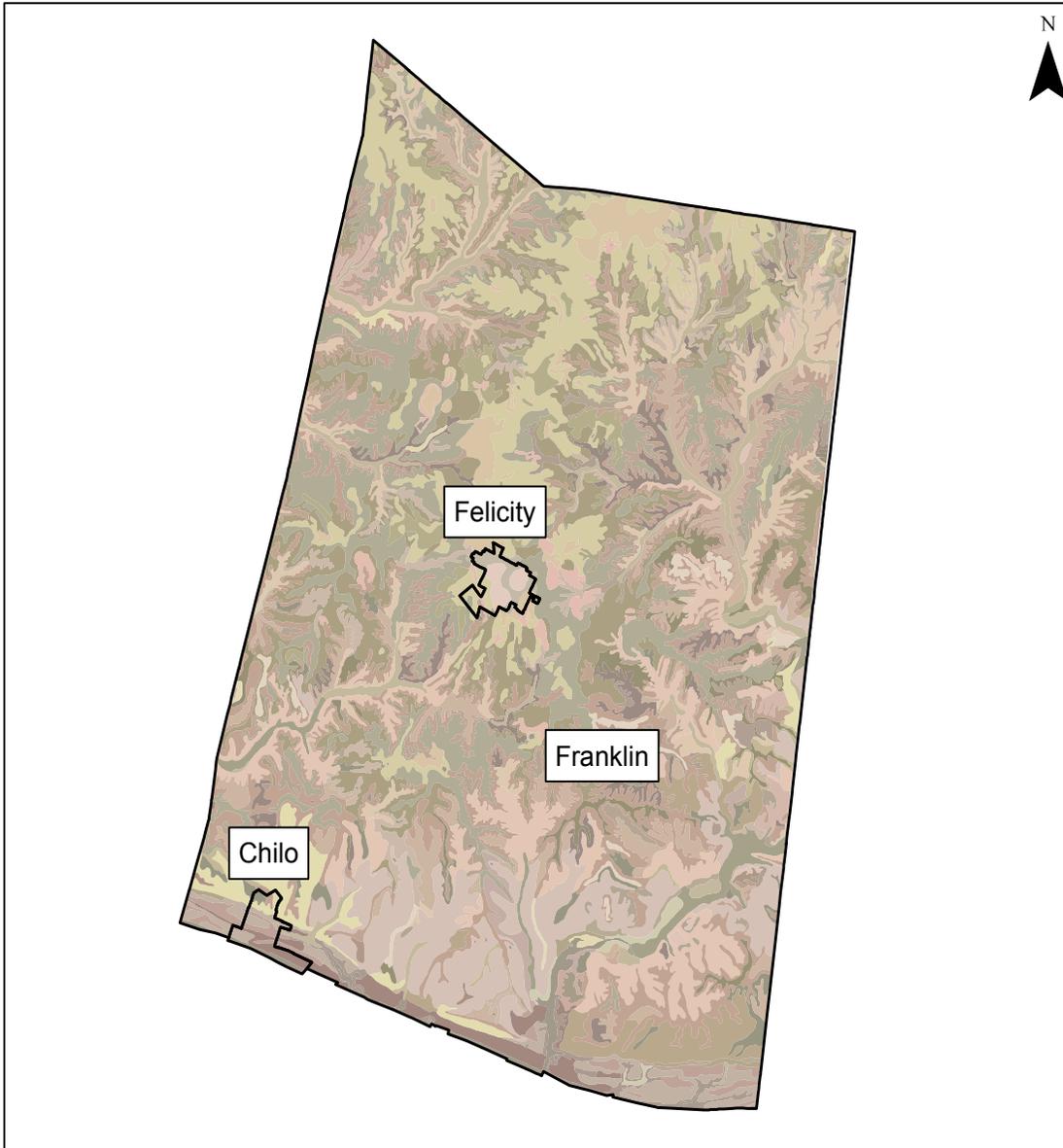
AdC	CcD2	EbE2	FuB	Hu	OcB	RpC2	St
AvA	CkD3	EbG2	Gn	Lg	OdA	RsC3	Ud
AvB	Ct	EcE3	GpB	Ln	Rh	RtB	W
AvB2	Cu	EdG3	GpC2	Mb	RkD2	RtC	WvB
AwA	EaD2	Ee	GpE2	MdB	RkE2	SaA	WvC2
Bc	EaE2	FaE2	Gr	MgA	Rn	SaB	WvD2
CcB	EaF2	FaG2	HKD2	Mh	RpA	SeC2	
CcB2	EbC2	FnB	HKF2	Ne	RpB	SeD2	
CcC2	EbD2	FnC2	HIG3	OcA	RpB2	Sh	

1 inch = 5,755 feet



Franklin Township Soil Types

Data Provided By: Clermont County GIS



Legend

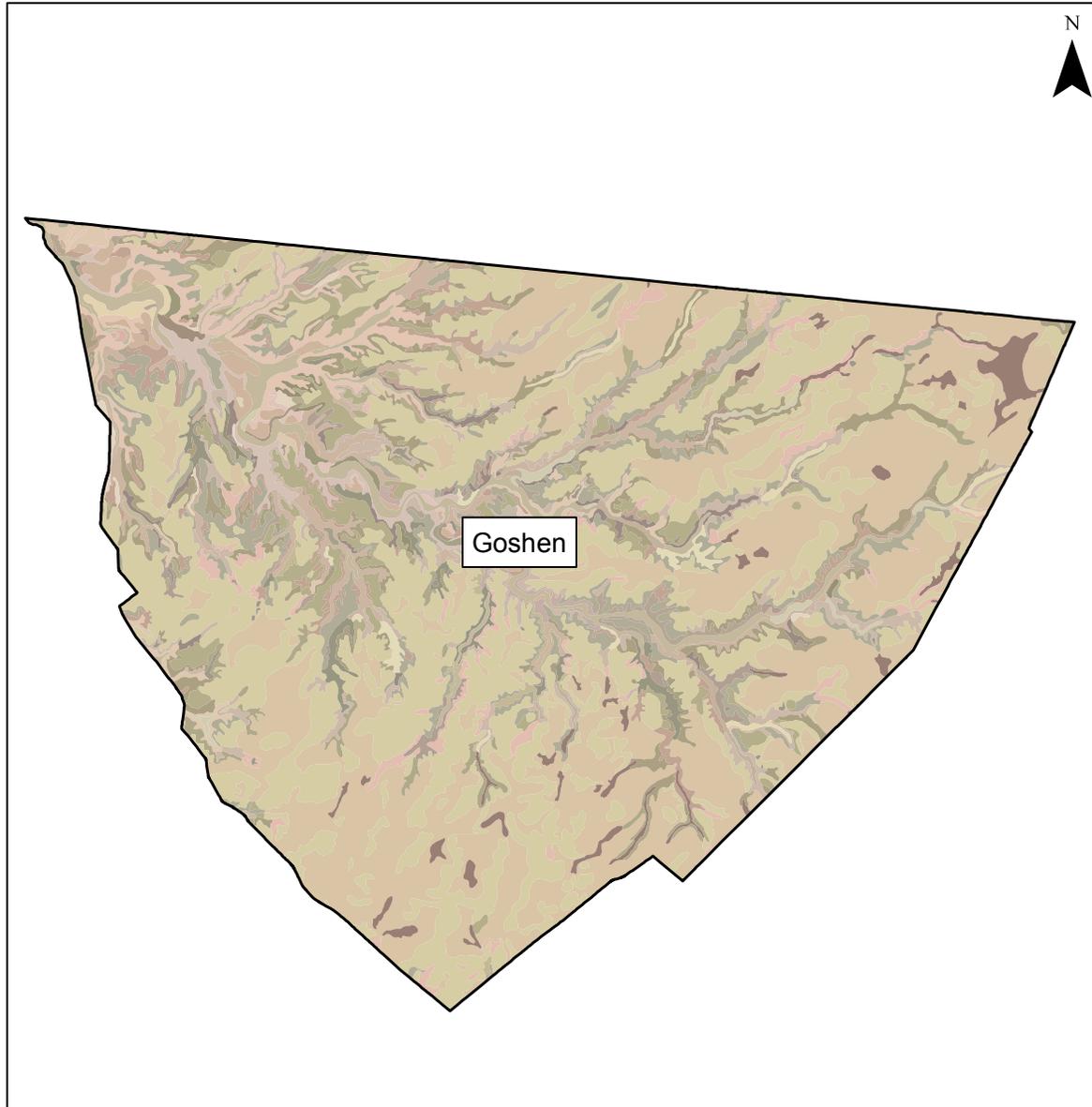
AdC	CcD2	EbE2	FuB	Hu	OcB	RpC2	St
AvA	CkD3	EbG2	Gn	Lg	OdA	RsC3	Ud
AvB	Ct	EcE3	GpB	Ln	Rh	RtB	W
AvB2	Cu	EdG3	GpC2	Mb	RkD2	RtC	WvB
AwA	EaD2	Ee	GpE2	MdB	RkE2	SaA	WvC2
Bc	EaE2	FaE2	Gr	MgA	Rn	SaB	WvD2
CcB	EaF2	FaG2	HkD2	Mh	RpA	SeC2	
CcB2	EbC2	FnB	HkF2	Ne	RpB	SeD2	
CcC2	EbD2	FnC2	HIG3	OcA	RpB2	Sh	

1 inch = 6,744 feet



Goshen Township Soil Types

Data Provided By: Clermont County GIS



Legend

AdC	CcD2	EbE2	FuB	Hu	OcB	RpC2	St
AvA	CkD3	EbG2	Gn	Lg	OdA	RsC3	Ud
AvB	Ct	EcE3	GpB	Ln	Rh	RtB	W
AvB2	Cu	EdG3	GpC2	Mb	RkD2	RtC	WvB
AwA	EaD2	Ee	GpE2	MdB	RkE2	SaA	WvC2
Bc	EaE2	FaE2	Gr	MgA	Rn	SaB	WvD2
CcB	EaF2	FaG2	HkD2	Mh	RpA	SeC2	
CcB2	EbC2	FnB	HkF2	Ne	RpB	SeD2	
CcC2	EbD2	FnC2	HIG3	OcA	RpB2	Sh	

1 inch = 6,071 feet

