

This document defines the current official copy of the soil survey, lists the certification statements for this soil survey, and provides a history of the official copy of the soil survey.

## **A. Official Copy of the Soil Survey**

The official copy is made up of the following sources:

1. FOTG Section II, Part 1 Soils and Site Information
2. NASIS Soil Survey Data – Customer Tool Kit-Soil Data Viewer
3. Soil Survey Handbook
4. Soil Survey field sheets maps

### **Certification Statements**

The following certification statements apply to the use of soil survey information in the Caledonia County Soil Survey.

1. Customer tool kit
  - Downloads of important properties data from NASIS is certified for use in Customer Tool Kit-Soil Data Viewer
2. NASIS data is the source of
  - RUSLE 2 data.
  - Soil Survey Interpretations
    - Building Site Development
    - Construction Materials
    - Land Capability and Yields Per Acre of Crops and Pasture
    - Recreational Development
    - Sanitary Facilities
    - Water Management
    - Wildlife Habitat
    - Woodland Management and Productivity
  - Soil Survey Important Properties
    - Engineering Index Properties
    - Physical and Chemical Properties
    - Soil and Water Features
3. The official copy of the of the following is filed in FOTG Section II, Part 1 Soils and Site Information:
  - Forest Value Groups
  - Highly Erodible Lands list
  - Hydric soil map unit list
  - Hydrologic Soil Groups
  - Important Farmlands
    - Act 250 criteria 9c map unit list
    - Agricultural Value Groups
    - Important Farmland Ratings (Prime, Statewide, Local)
  - Nitrate Leaching Index
  - On-site sewage disposal ratings
  - Pesticide leaching index
  - USLE K and T factors
4. Digital and tabular data
  - NASIS is the only source of tabular data certified for public distribution
5. Other sources
  - SOIL FACT SHEETS generated from NASIS data are certified for distribution to the general public

## **B. Official Copy of the Soil Survey Certification History**

1987 – HEL list certified – The HEL list was certified for use in the filed.

1992 – HEL list recertified – A review of the HEL rankings revealed a number of obvious errors. Corrections were made and the list was recertified.

1995

- HEL list generated from the State Soil Survey Database (SSSD) – The HEL list was generated from the soil survey database for the first time.
- Hydric soil legend certified – Earlier versions of the hydric soil legend have existed but were not well documented.
- RUSLE data certified – Soils data was reviewed, updated, and certified for use in RUSLE.
- USLE K and T factors filed in the FOTG – All databases were converted to RUSLE. The USLE K and T factors were filed in the FOTG as part of the Interpretative Groups Table.

1996 – Important Farmlands list reviewed and recertified. - No changes were made..

1997 – Pesticide Leaching Index certified – Pesticide leaching index values were generated, reviewed, and certified for use.

1999 – Nitrate Leaching Maps Certified – Nitrate leaching maps were generated and certified for use in NRCS programs.

2002 – USLE K and T factors filed in FOTG – The Interpretative Groups table was removed from the FOTG and separate USLE K and T factor table was added.

2003

- Hydrologic Soil Groups updated and certified – The hydrologic soil groups were reviewed statewide for consistency. Many adjustments were made to ensure soils were assigned to the correct group based on the current criteria. A new list was certified in March, 2003, based on this evaluation.
- RUSLE2 data certified– Soils data was reviewed, updated, and certified for use in RUSLE.