

Revised Nomenclature of Soil  
Type Names Used in Ohio  
Soil Surveys

by

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Special Circular No. 47

Ohio Agricultural Experiment Station

Wooster, Ohio

1936

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# REVISED NOMENCLATURE OF SOIL TYPE NAMES USED IN OHIO SOIL SURVEYS<sup>1</sup>

by

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## INTRODUCTION

The first soil survey in Ohio (Montgomery County) was completed by the Federal Bureau of Soils in 1900. At that time methods of soil classification and mapping were just being developed and the maps prepared were very general in nature. Judged by present-day standards, they can best be considered as reconnaissance or general surveys. During the following 10 years, eight areas were mapped in the State. All of these surveys were very general, both as regards detail in mapping and in classification of soils.

In 1912, a general or reconnaissance soil survey of the State as a whole was completed, and, since that date, detailed surveys have been made in all parts of the State. Figure 1 shows the progress of the soil survey to date.

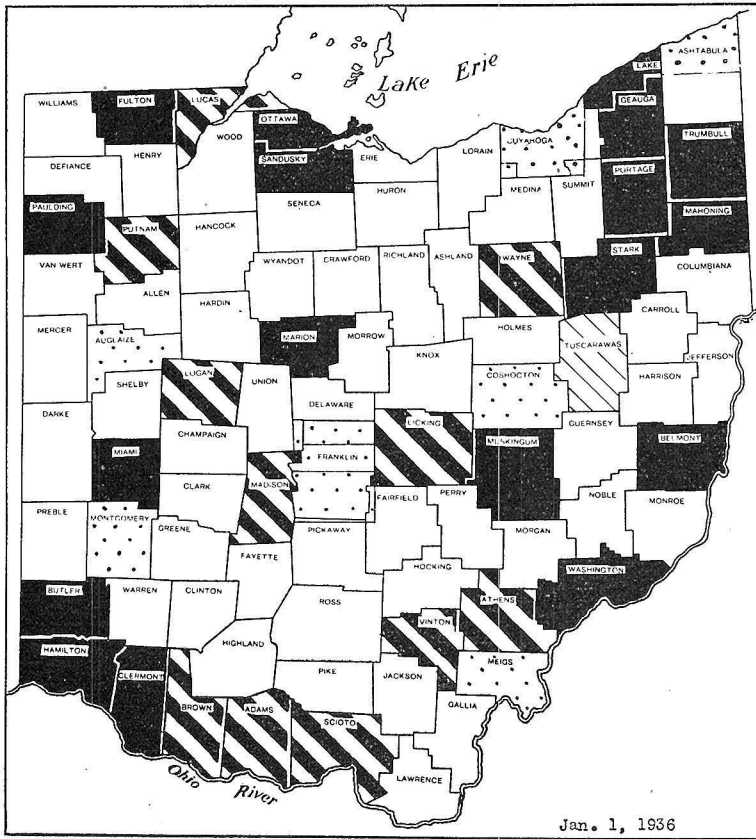
Much progress has been made in the technic of soil classification and mapping. As more information has accumulated concerning the characteristics of soils and their significance, refinements in classification have necessitated a number of changes in soil type names. In Ohio Experiment Station Special Circular No. 44 (1934), "A Key to the Soils of Ohio", the present classification is summarized.

The correlation with the present nomenclature of the soil type names used in the older surveys is given in the following pages. This information should greatly increase the usefulness of the early surveys. It is well to bear in mind, however, that the surveys made prior to 1910 are all very general in nature, and, in using them, this fact must be given due consideration.

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<sup>1</sup>The Ohio Agricultural Experiment Station is cooperating with the Division of Soil Survey, Bureau of Chemistry and Soils, United States Department of Agriculture, in making soil surveys in the State. The revised correlation presented in this circular has been approved by Mark Baldwin, Inspector for Ohio.

OHIO EXPERIMENT STATION



Jan. 1, 1936

- |  |   |
|--|---|
| Surveys completed, reports published   | Surveys in progress   |
| <ul style="list-style-type: none"> <li>••• Prior to 1912</li> <li>••• Reconnaissance survey in 1912</li> <li>■ Since 1912</li> </ul> | <ul style="list-style-type: none"> <li>■ Field work completed, report in publication</li> <li>▨ Field work in progress</li> </ul> |

Fig. 1.—Progress of Ohio Soil Survey

**REVISED NOMENCLATURE OF SOIL TYPE NAMES  
USED IN OHIO SOIL SURVEYS**

**MONTGOMERY COUNTY    1900<sup>2</sup>**

| Type                  | Correlated as <sup>3</sup>          |
|-----------------------|-------------------------------------|
| Miami sandy loam      | Genesee fine sandy loam             |
| Miami loam            | Genesee loam<br>silt loam           |
| Miami gravelly loam   | Fox silt loam<br>gravelly loam      |
| Miami clay loam       | Miami silt loam<br>Crosby silt loam |
| Miami black clay loam | Brookston silty clay loam           |
| Meadow                | Genesee silt loam                   |

**TOLEDO AREA    1902**

|                       |   |
|-----------------------|---|
| Miami black clay loam | Toledo silty clay<br>clay loam<br>silt loam                                     |
| Miami sand            | Plainfield fine sand<br>Newton fine sand  |
| Miami sandy loam      | Toledo very fine sandy loam<br>Fulton very fine sandy loam<br>loam<br>silt loam |
| Miami clay loam       | Lucas silty clay loam<br>Fulton silty clay loam                                 |
| Miami loam            | Genesee loam<br>silt loam   |

**COLUMBUS AREA    1902**

|                       |  |
|-----------------------|--|
| Miami clay loam       | Miami silt loam (west)<br>Miami silty clay loam (west)<br>Crosby silty clay loam (west)<br>Cardington silt loam (east)<br>Bennington silt loam (east)<br>Condit silt loam (east) |
| Miami black clay loam | Brookston silty clay loam (west)<br>Clyde silty clay loam (west)<br>Marengo silty clay loam (east)   |
| Miami loam            | Genesee silt loam  |
| Miami gravelly loam   | Fox silt loam<br>gravelly loam   |

<sup>2</sup>Date of publication.

<sup>3</sup>A change in soil type name from that used in the published report is indicated in this column. A line has been used where the name stands as published.

## OHIO EXPERIMENT STATION

## ASHTABULA AREA 1903

| Type                  | Correlated as  |
|-----------------------|--|
| Volusia loam          | Mahoning silty clay loam<br>Trumbull silty clay loam                     |
| Dunkirk clay          | Caneadea silty clay loam<br>silty clay                                   |
| Dunkirk sandy loam    | Plainfield fine sand<br>Berrien fine sand<br>Painesville fine sandy loam |
| Dunkirk gravelly loam | Chenango gravelly loam, beach-ridge<br>phase                             |
| Dunkirk gravel        | Chenango gravelly sandy loam, beach-<br>ridge phase                      |
| Meadow                | Chagrín silt loam<br>Holly silt loam                                     |

## WOOSTER AREA 1904

|                     |  |
|---------------------|--|
| Miami clay loam     | Canfield silt loam<br>Rittman silt loam<br>Wooster silt loam                       |
| Miami stony loam    | Canfield silt loam<br>Rittman silt loam<br>Lordstown silt loam                     |
| Miami gravelly loam | Chenango loam<br>Chenango gravelly loam<br>Wooster fine sandy loam                 |
| Miami sandy loam    | Wooster fine sand  |
| Miami sand          | Papakating silty clay loam   |
| Yazoo clay          | Holly silty clay loam  |
| Waverly clay        | Chagrín silt loam  |
| Volusia silt loam   | Wooster silt loam<br>Canfield silt loam<br>Volusia silt loam<br>Trumbull silt loam |
| Peat                |  |

## COSHOCOTON COUNTY 1904

|                     |   |
|---------------------|---|
| Dekalb silt loam    | Muskingum silt loam                         |
| Miami loam          | Huntington loam<br>silt loam                |
| Miami gravelly loam | Chenango gravelly loam<br>loam<br>silt loam |

## CLEVELAND AREA 1905

|                         |  |
|-------------------------|--|
| Miami clay loam         | Mahoning silty clay loam<br>Trumbull silty clay loam |
| Dunkirk fine sandy loam | Painesville fine sandy loam                          |

REVISED NOMENCLATURE OF SOIL TYPE NAMES

| Type                  | Correlated as  |
|-----------------------|--|
| Dunkirk gravelly loam | Caneadea fine sandy loam<br>Chenango gravelly loam, beach-ridge<br>phase |
| Dunkirk clay          | Caneadea clay<br>Lorain clay   |
| Miami stony loam      | Lordstown stony loam   |
| Dunkirk loam          | Painesville loam<br>Caneadea loam  |
| Dekalb clay           | Wickliffe silty clay   |
| Wabash loam           | Chagrín loam and silty clay loam<br>Papakating loam and silty clay loam  |
| Muck                  | _____  |
| Meadow                | Chagrín silty clay loam<br>Holly silty clay loam                         |

WESTERVILLE AREA 1905

|                       |  |
|-----------------------|--|
| Miami clay loam       | Miami silt loam (west)<br>Miami silty clay loam (west)<br>Crosby silty clay loam (west)<br>Cardington silt loam (east)<br>Bennington silt loam (east)<br>Condit silt loam (east) |
| Miami black clay loam | Brookston silty clay loam (west)<br>Clyde silty clay loam (west)<br>Marengo silty clay loam (east)   |
| Miami gravelly loam   | Fox gravelly loam<br>silt loam   |
| Miami loam            | Genesee silt loam (west)<br>Chagrín silt loam (east)   |

MEIGS COUNTY 1906

|                          |                       |
|--------------------------|-----------------------|
| Dekalb silt loam         | Muskingum silt loam   |
| Meigs clay loam          | Meigs silty clay loam |
| Dekalb sandy loam        | Muskingum loam        |
| Upshur clay              | Upshur clay           |
| Huntington silt loam     | Huntington silt loam  |
| Wheeling silt loam       | Pope silt loam        |
| Wheeling fine sandy loam | _____                 |
| Wheeling gravelly loam   | _____                 |
| Wheeling fine sand       | _____                 |
| Rough stony land         | _____                 |

AUGLAIZE COUNTY 1909

|                       |  |
|-----------------------|--|
| Miami clay loam       | Miami silty clay loam<br>Crosby silty clay loam    |
| Miami black clay loam | Brookston silty clay loam<br>Clyde silty clay loam |

| Type                | Correlated as                        |
|---------------------|--------------------------------------|
| Miami gravelly loam | Bellefontaine gravelly loam          |
| Genesee loam        | Genesee silt loam<br>silty clay loam |

## RECONNAISSANCE SOIL SURVEY OF OHIO 1912

|  |   |
|--|---|
| Colbert silt loam, Hagerstown<br>silt loam, Brush clay | Hagerstown silt loam, Bratton silt loam,<br>Cedarville silt loam, etc.  |
| Dekalb silt loam                                       | Muskingum silt loam   |
| Meigs Series   | Meigs, Belmont, and Upshur Series   |
| Westmoreland Series                                    | Westmoreland Series<br>Belmont Series   |
| Miami silt loam and clay loam                          | Miami silt loam and silty clay loam,<br>with included areas of Crosby,<br>Brookston, and Clyde soils                                      |
| Miami clay   | Nappanee clay   |
| Miami and Bellefontaine Series                         | Miami silt loam<br>Bellefontaine silt loam<br>Russell silt loam   |
| Wooster Series   | Wooster fine sandy loam, gravelly<br>loam, loam, and silt loam  |
| Wooster silt loam                                      | Wooster silt loam<br>Canfield silt loam   |
| Volusia and Trumbull Series                            | Mahoning, Trumbull, and Ellsworth<br>silt loam and silty clay loam  |
| Volusia and Trumbull clay loam                         | Mahoning and Trumbull silty clay<br>loam and silt loam  |
| Volusia silt loam and clay loam                        | Rittman silt loam<br>Ellsworth silt loam<br>Mahoning silt loam  |
| Clyde sandy loam and loam                              | Newton fine sand<br>Wauseon fine sandy loam<br>Toledo fine sandy loam   |
| Clyde clay loam  | Brookston clay, clay loam, silty clay<br>loam and Clyde silty clay loam,<br>with included areas of Miami<br>silt loam and silty clay loam |
| Clyde clay   | Paulding clay   |
| Belmore sandy loam and loam                            | Belmore fine sandy loam<br>loam<br>gravelly loam  |
| Dunkirk sand   | Plainfield fine sand  |
| Dunkirk Series   | Berrien fine sand and loamy fine sand<br>Plainfield fine sand<br>Berrien fine sand<br>Chenango loam<br>Painesville fine sandy loam        |
| Cincinnati silt loam                                   | Cincinnati silt loam<br>Rossmoyne silt loam<br>Edenton silt loam  |



REVISED NOMENCLATURE OF SOIL TYPE NAMES

| Type                                    | Correlated as  |
|---|--|
| Clermont silt loam                      | Fairmount silty clay loam<br>Clermont silt loam<br>Blanchester silt loam |
| Fox Series                              | Fox Series   |
| Chenango Series                         | Chenango Series<br>Wheeling Series (Ohio River)                          |
| Holston silt loam and Tyler silt loam   | Holston silt loam<br>Monongahela silt loam<br>Tyler silt loam            |
| Alluvial soils                          | Alluvial soils   |
| Organic soils                           | Organic soils  |
| Rock outcrop and areas of shallow soils | Rock outcrop and areas of shallow soils                                  |

STARK COUNTY 1913

|                            |   |
|----------------------------|---|
| Volusia silt loam          | Canfield silt loam<br>Volusia silt loam                                     |
| Volusia clay loam          | Canfield silt loam<br>Volusia silt loam<br>Mahoning silt loam               |
| Volusia silty clay loam    | Mahoning silty clay loam  |
| Volusia gravelly clay loam | Canfield gravelly clay loam   |
| Volusia loam               | Canfield loam<br>Volusia loam   |
| Wooster silt loam          | _____   |
| Wooster loam               | _____   |
| Wooster gravelly loam      | _____   |
| Wooster sandy loam         | _____   |
| Dekalb silt loam           | Muskingum silt loam<br>Wellston silt loam                                   |
| Dekalb sandy loam          | Muskingum loam  |
| Holston silt loam          | Holston silt loam<br>Monongahela silt loam                                  |
| Chenango gravelly loam     | _____   |
| Chenango silt loam         | _____   |
| Chenango sandy loam        | _____   |
| Huntington silt loam       | Chagrin silt loam<br>Lobdell silt loam<br>Pope silt loam<br>Philo silt loam |
| Holly clay loam            | Holly silt loam<br>Atkins silt loam   |
| Papakating clay loam       | _____   |
| Muck and peat              | _____   |

PORTAGE COUNTY 1914

|                         |  |
|-------------------------|--|
| Volusia silty clay loam | Mahoning silty clay loam<br>Trumbull silty clay loam |
| Volusia clay loam       | Canfield silt loam                                   |

| Type                     | Correlated as       |
|--------------------------|---------------------|
|                          | Volusia silt loam   |
|                          | Mahoning silt loam  |
| Volusia loam             | Volusia loam        |
|                          | Canfield loam       |
| Volusia silt loam        | Volusia silt loam   |
|                          | Canfield silt loam  |
| Volusia sandy loam       | Volusia sandy loam  |
|                          | Canfield sandy loam |
| Trumbull silty clay loam | _____               |
| Trumbull clay loam       | _____               |
| Trumbull loam            | _____               |
| Wooster loam             | _____               |
| Wooster sandy loam       | _____               |
| Lordstown stony loam     | _____               |
| Chenango gravelly loam   | _____               |
| Chenango sandy loam      | _____               |
| Braceville loam          | _____               |
| Holly clay loam          | _____               |
| Papakating clay loam     | _____               |
| Huntington sandy loam    | Chagrin sandy loam  |
| Muck                     | _____               |

PAULDING COUNTY 1914

|                         |                       |
|-------------------------|-----------------------|
| Clyde clay              | Paulding clay         |
| Miami fine sandy loam   | Rimer fine sandy loam |
| Miami clay loam         | Nappanee clay loam    |
| Miami clay              | Nappanee clay         |
| Belmore fine sandy loam | _____                 |
| Belmore loam            | _____                 |
| Genesee fine sandy loam | _____                 |
| Genesee clay loam       | _____                 |

TRUMBULL COUNTY 1914

|                         |                          |
|-------------------------|--------------------------|
| Wooster sandy loam      | Wooster fine sandy loam  |
| Wooster loam            | _____                    |
| Wooster silt loam       | _____                    |
| Volusia sandy loam      | Canfield fine sandy loam |
|                         | Volusia fine sandy loam  |
|                         | Trumbull fine sandy loam |
| Volusia loam            | Canfield loam            |
|                         | Volusia loam             |
|                         | Trumbull loam            |
| Volusia silt loam       | Canfield silt loam       |
|                         | Volusia silt loam        |
| Volusia clay loam       | Canfield silt loam       |
|                         | Volusia silt loam        |
|                         | Mahoning silt loam       |
| Volusia silty clay loam | Mahoning silty clay loam |
|                         | Trumbull silty clay loam |

| Type                     | Correlated as              |
|--------------------------|----------------------------|
| Trumbull loam            | _____                      |
| Trumbull silt loam       | _____                      |
| Trumbull clay loam       | _____                      |
| Trumbull silty clay loam | _____                      |
| Lordstown stony loam     | _____                      |
| Chenango sandy loam      | _____                      |
| Chenango loam            | _____                      |
| Braceville loam          | _____                      |
| Holston silt loam        | _____                      |
| Tyler silt loam          | _____                      |
| Tyler silty clay loam    | _____                      |
| Huntington sandy loam    | Chagrín sandy loam         |
| Holly clay loam          | Holly silty clay loam      |
| Papakating clay loam     | Papakating silty clay loam |
| Muck and peat            | _____                      |

GEAUGA COUNTY 1915

|                         |                          |
|-------------------------|--------------------------|
| Volusia loam            | Canfield loam            |
|                         | Volusia loam             |
| Volusia silt loam       | Volusia silt loam        |
|                         | Canfield silt loam       |
| Volusia silty clay loam | Mahoning silty clay loam |
|                         | Trumbull silty clay loam |
| Volusia clay loam       | Canfield silt loam       |
|                         | Volusia silt loam        |
|                         | Mahoning silt loam       |
| Trumbull loam           | _____                    |
| Trumbull clay loam      | _____                    |
| Wooster sandy loam      | _____                    |
| Wooster loam            | Wooster loam             |
|                         | Canfield loam            |
| Lordstown stony loam    | _____                    |
| Chenango gravelly loam  | _____                    |
| Chenango sandy loam     | _____                    |
| Chenango loam           | _____                    |
| Holly clay loam         | _____                    |
| Wallkill clay loam      | _____                    |
| Papakating clay loam    | _____                    |
| Huntington sandy loam   | Chagrín sandy loam       |
| Muck and peat           | _____                    |

HAMILTON COUNTY 1915

|                           |                     |
|---------------------------|---------------------|
| Cincinnati silt loam      | _____               |
| Rossmoyne silt loam       | Rossmoyne silt loam |
|                           | Avonburg silt loam  |
| Clermont silt loam        | _____               |
| Fairmount silty clay loam | _____               |
| Miami loam                | Bellefontaine loam  |
| Miami silt loam           | Russell silt loam   |

## OHIO EXPERIMENT STATION

| Type                  | Correlated as             |
|-----------------------|---------------------------|
| Miami silty clay loam | Russell silty clay loam   |
| Crosby silt loam      | Fincastle silt loam       |
| Clyde silty clay loam | Brookston silty clay loam |
| Knox fine sandy loam  | Princeton fine sandy loam |
| Fox fine sandy loam   | _____                     |
| Fox loam              | _____                     |
| Fox silt loam         | Fox silt loam             |
|                       | Wheeling silt loam        |
|                       | _____                     |
| Genesee sand          | _____                     |
| Genesee loam          | _____                     |
| Genesee silt loam     | Genesee silt loam         |
|                       | Huntington silt loam      |
|                       | _____                     |
| Genesee clay loam     |                           |

## MIAMI COUNTY 1916

|                           |                        |
|---------------------------|------------------------|
| Bellefontaine loam        | _____                  |
| Bellefontaine silt loam   | _____                  |
| Miami silt loam           | Miami silt loam        |
|                           | Crosby silt loam       |
| Miami silty clay loam     | Miami silty clay loam  |
|                           | Crosby silty clay loam |
|                           | _____                  |
| Miami clay                |                        |
| Crosby silt loam          | Crosby silt loam       |
|                           | Bethel silt loam       |
|                           | _____                  |
| Conover silt loam         | _____                  |
| Brookston silty clay loam | _____                  |
| Clyde silt loam           | _____                  |
| Milton silt loam          | _____                  |
| Randolph silt loam        | _____                  |
| Millsdale silty clay loam | _____                  |
| Fox loam                  | _____                  |
| Fox silt loam             | _____                  |
| Genesee silt loam         | _____                  |
| Wabash silt loam          | _____                  |

## MARION COUNTY 1916

|                           |                        |
|---------------------------|------------------------|
| Miami silt loam           | Miami silt loam        |
|                           | Crosby silt loam       |
| Miami silty clay loam     | Miami silty clay loam  |
|                           | Crosby silty clay loam |
|                           | _____                  |
| Crosby silty clay loam    | _____                  |
| Bellefontaine loam        | _____                  |
| Brookston silty clay loam | _____                  |
| Clyde silty clay loam     | _____                  |
| Fox loam                  | _____                  |
| Lucas silty clay loam     | Fulton silty clay loam |
| Homer loam                | Fulton loam            |
| Newton silty clay loam    | Toledo silty clay loam |

| Type              | Correlated as     |
|-------------------|-------------------|
| Newton silty clay | Toledo silty clay |
| Genesee silt loam | _____             |
| Muck              | _____             |

MAHONING COUNTY 1917

|                           |                   |
|---------------------------|-------------------|
| Wooster loam              | _____             |
| Wooster silt loam         | _____             |
| Lordstown silt loam       | _____             |
| Canfield silt loam        | _____             |
| Volusia silt loam         | _____             |
| Ellsworth silt loam       | _____             |
| Ellsworth silty clay loam | _____             |
| Mahoning silt loam        | _____             |
| Mahoning silty clay loam  | _____             |
| Trumbull silt loam        | _____             |
| Trumbull silty clay loam  | _____             |
| Trumbull silty clay       | _____             |
| Chenango loam             | _____             |
| Braceville loam           | _____             |
| Tyler silt loam           | _____             |
| Tyler clay loam           | _____             |
| Huntington silt loam      | Chagrin silt loam |
| Holly silt loam           | _____             |
| Holly silty clay loam     | _____             |
| Muck                      | _____             |

SANDUSKY COUNTY 1917

|                                |                             |
|--------------------------------|-----------------------------|
| Miami fine sandy loam          | Rimer fine sandy loam       |
| Miami loam                     | Rimer loam                  |
| Miami clay loam                | Nappanee clay loam          |
| Miami clay                     | Nappanee clay               |
| Crosby silty clay loam         | _____                       |
| Milton silt loam               | _____                       |
| Randolph stony loam            | _____                       |
| Randolph loam                  | _____                       |
| Brookston loam                 | _____                       |
| Brookston silty clay loam      | _____                       |
| Brookston clay loam            | _____                       |
| Brookston clay                 | _____                       |
| Millsdale stony clay loam      | _____                       |
| Newton sandy loam              | Wauseon sandy loam          |
| Newton fine sandy loam         | Wauseon fine sandy loam     |
| Newton very fine sandy loam    | Toledo very fine sandy loam |
| Newton loam                    | Toledo loam                 |
| Newton silt loam               | Toledo silt loam            |
| Newton clay loam               | Toledo clay loam            |
| Newton silty clay              | Toledo silty clay           |
| Lucas gravelly fine sandy loam | _____                       |

| Type                          | Correlated as               |
|-------------------------------|-----------------------------|
| Lucas fine sand               | Berrien fine sand           |
| Lucas very fine sandy loam    | _____                       |
| Lucas silt loam               | Fulton silt loam            |
| Lucas silty clay loam         | Fulton silty clay loam      |
| Warners loam                  | _____                       |
| Dunkirk fine sand             | Plainfield fine sand        |
|                               | Berrien fine sand           |
| Belmore fine sand             | _____                       |
| Belmore loam                  | _____                       |
| Fox silt loam                 | _____                       |
| Waukesha very fine sandy loam | Warsaw very fine sandy loam |
| Genesee clay loam             | _____                       |
| Muck                          | _____                       |
| Marsh                         | _____                       |

FULTON COUNTY 1922

|  |                                  |
|--|----------------------------------|
| Brookston clay                                     | _____                            |
| Brookston clay loam                                | _____                            |
| Brookston silty clay loam                          | _____                            |
| Brookston loam                                     | _____                            |
| Brookston fine sandy loam                          | _____                            |
| Wauseon fine sandy loam                            | _____                            |
| Wauseon loamy fine sand                            | _____                            |
| Toledo silty clay                                  | _____                            |
| Toledo silty clay loam                             | _____                            |
| Toledo silt loam                                   | _____                            |
| Newton fine sand                                   | _____                            |
| Newton loamy fine sand                             | _____                            |
| Newton very fine sandy loam                        | _____                            |
| Newton loam  | _____                            |
| Maumee fine sandy loam                             | _____                            |
| Maumee fine sand                                   | _____                            |
| Clyde clay loam                                    | _____                            |
| Clyde loam   | _____                            |
| Nappanee silty clay loam                           | _____                            |
| Nappanee clay loam                                 | _____                            |
| Nappanee loam                                      | _____                            |
| Nappanee fine sandy loam                           | _____                            |
| Fulton silty clay loam                             | _____                            |
| Fulton silt loam                                   | _____                            |
| Fulton loam  | _____                            |
| Fulton very fine sandy loam                        | _____                            |
| Miami loam   | _____                            |
| Miami fine sandy loam                              | _____                            |
| Lucas fine sandy loam                              | _____                            |
| Lucas loamy fine sand                              | _____                            |
| Dunkirk loamy very fine sand                       | Lucas loamy very fine sand       |
| Fox gravelly fine sandy loam,<br>beach-ridge phase | Belmore gravelly fine sandy loam |

REVISED NOMENCLATURE OF SOIL TYPE NAMES

| Type                                   | Correlated as           |
|--|-------------------------|
| Fox loamy fine sand, beach-ridge phase | Belmore loamy fine sand |
| Plainfield fine sand                   | _____                   |
| Plainfield loamy fine sand             | _____                   |
| Coloma fine sand                       | _____                   |
| Coloma loamy fine sand                 | _____                   |
| Coloma very fine sand                  | _____                   |
| Genesee silt loam                      | _____                   |
| Genesee loam                           | _____                   |
| Genesee fine sandy loam                | _____                   |
| Genesee clay loam                      | _____                   |
| Wabash silt loam                       | _____                   |
| Wabash loam                            | _____                   |
| Wabash clay loam                       | _____                   |
| Wabash fine sandy loam                 | _____                   |
| Peat and muck                          | _____                   |

CLERMONT COUNTY 1923

|                               |   |
|-------------------------------|---|
| Cincinnati silt loam          | _____                                     |
| Rossmoyne silt loam           | Rossmoyne silt loam<br>Avonburg silt loam |
| Clermont silt loam            | _____                                     |
| Blanchester silt loam         | _____                                     |
| Edenton silt loam             | _____                                     |
| Fairmount silty clay loam     | _____                                     |
| Williamsburg silt loam        | _____                                     |
| Williamsburg fine sandy loam  | _____                                     |
| Williamsburg loam             | _____                                     |
| Fox silt loam                 | _____                                     |
| Fox fine sandy loam           | _____                                     |
| Fox loam                      | _____                                     |
| Rodman gravelly sandy loam    | _____                                     |
| Wheeling silt loam            | _____                                     |
| Wheeling very fine sandy loam | _____                                     |
| Chilo silty clay loam         | _____                                     |
| Huntington loam               | _____                                     |
| Huntington fine sandy loam    | _____                                     |
| Genesee silt loam             | _____                                     |
| Genesee loam                  | _____                                     |
| Genesee fine sandy loam       | _____                                     |

LAKE COUNTY 1925

|                               |       |
|-------------------------------|-------|
| Mahoning silty clay loam      | _____ |
| Caneadea silty clay loam      | _____ |
| Caneadea loam                 | _____ |
| Caneadea silty clay           | _____ |
| Caneadea very fine sandy loam | _____ |
| Caneadea fine sandy loam      | _____ |

| Type   | Correlated as |
|--|---------------|
| Caneadea silt loam                                   | _____         |
| Chenango gravelly fine sandy loam, beach-ridge phase | _____         |
| Chenango gravelly loam                               | _____         |
| Chenango loam  | _____         |
| Chenango gravelly fine sand, beach-ridge phase       | _____         |
| Chenango very fine sandy loam                        | _____         |
| Berrien very fine sand                               | _____         |
| Berrien fine sand                                    | _____         |
| Mentor silt loam                                     | _____         |
| Mentor loam  | _____         |
| Painesville very fine sandy loam                     | _____         |
| Painesville fine sandy loam                          | _____         |
| Painesville silt loam                                | _____         |
| Lorain silty clay loam                               | _____         |
| Lorain loam  | _____         |
| Lorain silty clay                                    | _____         |
| Lorain fine sandy loam, dark colored phase           | _____         |
| Reynolds very fine sandy loam                        | _____         |
| Reynolds fine sandy loam                             | _____         |
| Trumbull silty clay loam                             | _____         |
| Allis silty clay loam                                | _____         |
| Lordstown loam                                       | _____         |
| Lordstown fine sandy loam                            | _____         |
| Lordstown silt loam                                  | _____         |
| Chippewa silty clay loam                             | _____         |
| Tyler silty clay loam                                | _____         |
| Wickliffe silty clay                                 | _____         |
| Wickliffe silty clay loam                            | _____         |
| Chagrin silt loam                                    | _____         |
| Holly silty clay loam                                | _____         |
| Holly silt loam                                      | _____         |
| Muck   | _____         |
| Peat   | _____         |
| Marsh  | _____         |
| Rough broken land                                    | _____         |

## MUSKINGUM COUNTY 1925

|                               |       |
|-------------------------------|-------|
| Muskingum silt loam           | _____ |
| Muskingum loam                | _____ |
| Tilsit silt loam              | _____ |
| Zanesville silt loam          | _____ |
| Frankstown gravelly silt loam | _____ |
| Meigs silty clay loam         | _____ |
| Westmoreland silty clay loam  | _____ |
| Belmont silty clay loam       | _____ |
| Hanover silt loam             | _____ |



| Type                       | Correlated as            |
|----------------------------|--------------------------|
| Wheeling fine sandy loam   | Chenango fine sandy loam |
| Wheeling loam              | Chenango loam            |
| Wheeling silt loam         | Chenango silt loam       |
| Holston silt loam          | _____                    |
| Holston loam               | _____                    |
| Monongahela silt loam      | _____                    |
| Tyler silt loam            | _____                    |
| Blago silty clay           | _____                    |
| Huntington silt loam       | _____                    |
| Huntington silty clay loam | _____                    |
| Huntington fine sandy loam | _____                    |
| Moshannon silt loam        | _____                    |
| Pope fine sandy loam       | _____                    |
| Philo silt loam            | _____                    |
| Atkins silt loam           | _____                    |
| Rough stony land           | _____                    |
| Mine pits and dumps        | _____                    |

WASHINGTON COUNTY 1926

|   |                          |
|---|--------------------------|
| Muskingum silt loam                                 | _____                    |
| Muskingum loam                                      | _____                    |
| Upshur clay   | _____                    |
| Upshur silty clay loam, colluvial<br>phase          | _____                    |
| Meigs silty clay loam                               | _____                    |
| Tilsit silt loam                                    | _____                    |
| Belmont silty clay loam                             | _____                    |
| Holston silt loam                                   | _____                    |
| Holston very fine sandy loam,<br>high-terrace phase | _____                    |
| Monongahela silt loam                               | _____                    |
| Vincent silt loam                                   | _____                    |
| Waynesboro silt loam                                | _____                    |
| Wheeling silt loam                                  | Wheeling silt loam       |
|   | Chenango silt loam       |
| Wheeling loam                                       | Wheeling loam            |
|   | Chenango loam            |
| Wheeling fine sandy loam                            | Wheeling fine sandy loam |
|   | Chenango fine sandy loam |
|   | Chenango gravelly loam   |
| Wheeling gravelly loam                              | _____                    |
| Wheeling loamy fine sand                            | _____                    |
| Moshannon silt loam                                 | _____                    |
| Moshannon silty clay loam                           | _____                    |
| Huntington silt loam                                | _____                    |
| Huntington fine sandy loam                          | _____                    |
| Linside silty clay loam                             | _____                    |
| Atkins silty clay loam                              | _____                    |
| Steep broken land                                   | _____                    |

BUTLER COUNTY 1927

| Type                          | Correlated as |
|-------------------------------|---------------|
| Russell silt loam             | _____         |
| Fincastle silt loam           | _____         |
| Delmar silt loam              | _____         |
| Fox silt loam                 | _____         |
| Fox gravelly loam             | _____         |
| Fox fine sandy loam           | _____         |
| Fox sandy loam                | _____         |
| Genesee silt loam             | _____         |
| Genesee fine sandy loam       | _____         |
| Genesee sandy loam            | _____         |
| Genesee fine sand             | _____         |
| Brookston silt loam           | _____         |
| Montgomery silt loam          | _____         |
| McGary silt loam              | _____         |
| Ross silt loam                | _____         |
| Eel silty clay loam           | _____         |
| Warsaw loam                   | _____         |
| Warsaw silt loam, deep phase  | _____         |
| Clyde silty clay loam         | _____         |
| Bellefontaine silt loam       | _____         |
| Bellefontaine fine sandy loam | _____         |
| Miami silt loam               | _____         |
| Cincinnati silt loam          | _____         |
| Rossmoyne silt loam           | _____         |
| Clermont silt loam            | _____         |
| Fairmount silt loam           | _____         |
| Fairmount silty clay loam     | _____         |
| Shandon fine sandy loam       | _____         |
| Westland loam                 | _____         |
| River wash                    | _____         |

BELMONT COUNTY 1927

|                              |       |
|------------------------------|-------|
| Muskingum silt loam          | _____ |
| Muskingum loam               | _____ |
| Westmoreland silty clay loam | _____ |
| Brooke clay                  | _____ |
| Meigs silty clay loam        | _____ |
| Belmont silty clay loam      | _____ |
| Elk silt loam                | _____ |
| Captina silt loam            | _____ |
| Wheeling gravelly loam       | _____ |
| Wheeling fine sandy loam     | _____ |
| Wheeling silt loam           | _____ |
| Huntington fine sandy loam   | _____ |
| Huntington silt loam         | _____ |
| Huntington silty clay loam   | _____ |

| Type                     | Correlated as          |
|--------------------------|------------------------|
| Holly silty clay loam    | Melvin silty clay loam |
| Linside silty clay loam  | _____                  |
| Mine pits and mine dumps | _____                  |

OTTAWA COUNTY 1928

|  |       |
|--|-------|
| Toledo silty clay                              | _____ |
| Toledo clay loam                               | _____ |
| Toledo loam                                    | _____ |
| Toledo very fine sandy loam                    | _____ |
| Fulton silty clay loam                         | _____ |
| Fulton silt loam                               | _____ |
| Fulton loam                                    | _____ |
| Fulton very fine sandy loam                    | _____ |
| Lucas silt loam                                | _____ |
| Lucas very fine sandy loam                     | _____ |
| Bono silty clay                                | _____ |
| Maumee fine sand                               | _____ |
| Danbury silty clay loam                        | _____ |
| Danbury very fine sandy loam                   | _____ |
| Danbury clay loam                              | _____ |
| Brookston clay                                 | _____ |
| Brookston clay loam                            | _____ |
| Wauseon fine sandy loam                        | _____ |
| Nappanee silty clay loam                       | _____ |
| Nappanee loam                                  | _____ |
| Catawba loam                                   | _____ |
| Catawba silt loam                              | _____ |
| Catawba fine sandy loam                        | _____ |
| Catawba gravelly loam                          | _____ |
| Randolph silt loam                             | _____ |
| Randolph loam                                  | _____ |
| Randolph stony loam                            | _____ |
| Millsdale clay loam                            | _____ |
| Genesee fine sandy loam                        | _____ |
| Eel silty clay loam                            | _____ |
| Fox gravelly sandy loam, beach-<br>ridge phase | _____ |
| Rodman gravel, beach-ridge phase               | _____ |
| Beach sand                                     | _____ |
| Muck   | _____ |
| Marsh  | _____ |
| Stone quarries, mines, pits, and<br>dumps      | _____ |
| Made land                                      | _____ |

## A LIST OF OHIO SOIL TYPES—1936

| Series        | Texture              |
|---------------|----------------------|
| Abington      | silt loam            |
|               | silty clay loam      |
| Alexandria    | silt loam            |
| Algiers       | silt loam            |
| Allis         | silty clay loam      |
| Atherton      | silt loam            |
| Atkins        | silt loam            |
|               | silty clay loam      |
| Avonburg      | silt loam            |
| Bedford       | silt loam            |
| Bellefontaine | loam                 |
|               | gravelly loam        |
|               | silt loam            |
| Belmont       | silty clay loam      |
| Belmore       | gravelly sand        |
|               | fine sand            |
|               | sandy loam           |
|               | fine sandy loam      |
|               | loam                 |
| Bennington    | silt loam            |
| Bentonville   | silt loam            |
| Berrien       | fine sand            |
|               | fine sandy loam      |
|               | very fine sand       |
| Bethel        | silt loam            |
| Blago         | silty clay loam      |
| Blanchester   | silt loam            |
| Bono          | fine sandy loam      |
|               | very fine sandy loam |
|               | loam                 |
|               | silty clay loam      |
|               | silty clay           |
| Braceville    | loam                 |
|               | silt loam            |
| Bratton       | silt loam            |
|               | stony silt loam      |
|               | silty clay loam      |
| Brooke        | silty clay loam      |
|               | clay                 |
| Brookston     | fine sandy loam      |
|               | loam                 |
|               | silt loam            |
|               | silty clay loam      |
|               | clay loam            |

REVISED NOMENCLATURE OF SOIL TYPE NAMES

| Series         | Texture                                |
|----------------|--|
| Burgin         | clay                                   |
|                | silty clay                             |
|                | silty clay loam                        |
| Caneadea       | fine sandy loam                        |
|                | very fine sandy loam                   |
|                | loam                                   |
|                | silt loam                              |
|                | silty clay loam                        |
|                | clay                                   |
| Canfield       | silty clay                             |
|                | sandy loam                             |
|                | fine sandy loam                        |
|                | loam                                   |
|                | gravelly loam                          |
| Captina        | silt loam                              |
|                | silt loam                              |
| Cardington     | silt loam                              |
|                | fine sandy loam                        |
| Catawba        | gravelly loam                          |
|                | loam                                   |
|                | silt loam                              |
|                | silt loam                              |
| Cedarville     | loam                                   |
|                | silt loam                              |
| Chagrin        | loam                                   |
|                | silt loam                              |
|                | silty clay loam                        |
| Chenango       | gravelly fine sand                     |
|                | sandy loam                             |
|                | gravelly sandy loam, beach-ridge phase |
|                | fine sandy loam                        |
|                | very fine sandy loam                   |
|                | loam                                   |
|                | gravelly loam                          |
|                | gravelly loam, beach-ridge phase       |
| Chilo          | silt loam                              |
|                | silt loam                              |
|                | silty clay loam                        |
| Chippewa       | silty clay loam                        |
|                | silt loam                              |
| Cincinnati     | silt loam                              |
|                | silt loam                              |
| Conover        | silt loam                              |
|                | silt loam                              |
| Clermont       | loam                                   |
|                | silt loam                              |
|                | silty clay loam                        |
| Clyde          | clay loam                              |
|                | clay                                   |
|                | clay                                   |
|                | silt loam                              |
| Coloma         | silt loam                              |
|                | fine sand                              |
|                | loamy fine sand                        |
| very fine sand |  |

## OHIO EXPERIMENT STATION

| Series      | Texture                                |
|-------------|--|
| Colyer      | silt loam                              |
| Condit      | silt loam                              |
| Conotton    | silt loam                              |
| Coolville   | silt loam                              |
| Crosby      | silt loam                              |
|             | silty clay loam                        |
|             | silty clay                             |
| Danbury     | very fine sandy loam                   |
|             | silty clay loam                        |
|             | clay loam                              |
| Delmar      | silt loam                              |
| Duncanville | silt loam                              |
| Dunkirk     | fine sand                              |
| Eden        | silt loam                              |
|             | silty clay loam                        |
| Edenton     | silt loam                              |
| Eel         | silt loam                              |
|             | silty clay loam                        |
|             | silty clay                             |
| Eifort      | silt loam                              |
| Elk         | silt loam                              |
| Ellsberry   | silt loam                              |
|             | silty clay loam                        |
| Ellsworth   | silt loam                              |
|             | silty clay loam                        |
| Fairmount   | silt loam                              |
|             | silty clay loam                        |
| Fallsbury   | silt loam                              |
| Fawcett     | silt loam                              |
| Fincastle   | silt loam                              |
| Fox         | sandy loam                             |
|             | gravelly sandy loam, beach-ridge phase |
|             | fine sandy loam                        |
|             | loam                                   |
|             | gravelly loam                          |
|             | silt loam                              |
| Frankstown  | gravelly silt loam                     |
| Fulton      | very fine sandy loam                   |
|             | loam                                   |
|             | silt loam                              |
|             | silty clay loam                        |
| Genesee     | sand                                   |
|             | fine sand                              |
|             | sandy loam                             |
|             | fine sandy loam                        |

| Series       | Texture              |
|--------------|----------------------|
|              | very fine sandy loam |
|              | loam                 |
|              | silt loam            |
|              | silty clay loam      |
|              | clay loam            |
| Ginat        | silt loam            |
| Glenford     | silt loam            |
| Guernsey     | silt loam            |
|              | silty clay loam      |
| Hagerstown   | silt loam            |
| Hanover      | silt loam            |
| Heitt        | silt loam            |
|              | silty clay loam      |
| Hocking      | silt loam            |
| Holly        | silt loam            |
|              | silty clay loam      |
|              | clay loam            |
| Holston      | very fine sandy loam |
|              | loam                 |
|              | silt loam            |
| Huntington   | fine sand            |
|              | sandy loam           |
|              | fine sandy loam      |
|              | loam                 |
|              | silt loam            |
|              | silty clay loam      |
| Jacksonville | silt loam            |
| Jessup       | silt loam            |
| Johnsburg    | silt loam            |
| Killbuck     | silt loam            |
| Latham       | silty clay loam      |
| Linside      | silt loam            |
|              | silty clay loam      |
| Lobdell      | silt loam            |
| Lorain       | fine sandy loam      |
|              | loam                 |
|              | silty clay loam      |
|              | clay                 |
|              | silty clay           |
| Lordstown    | fine sandy loam      |
|              | loam                 |
|              | stony loam           |
|              | silt loam            |
|              | stony silt loam      |
| Louden       | silt loam            |

## OHIO EXPERIMENT STATION

| Series      | Texture              |
|-------------|----------------------|
| Lucas       | loamy fine sand      |
|             | loamy very fine sand |
|             | fine sandy loam      |
|             | very fine sandy loam |
|             | silt loam            |
| Luray       | silty clay loam      |
|             | silty clay loam      |
| Maddox      | silt loam            |
| Mahoning    | silt loam            |
|             | silty clay loam      |
| Marengo     | silty clay loam      |
| Maumee      | fine sand            |
|             | fine sandy loam      |
| McGary      | silt loam            |
| Medina      | silt loam            |
| Meigs       | silty clay loam      |
| Melvin      | silt loam            |
|             | silty clay loam      |
| Mentor      | loam                 |
|             | silt loam            |
| Miami       | fine sandy loam      |
|             | loam                 |
|             | silt loam            |
|             | silty clay loam      |
| Millsdale   | clay                 |
|             | fine sandy loam      |
|             | silty clay loam      |
|             | clay loam            |
|             | stony clay loam      |
| Milton      | silt loam            |
| Monongahela | silt loam            |
| Montgomery  | silty clay loam      |
| Moshannon   | silt loam            |
|             | silty clay loam      |
| Muskingum   | loam                 |
|             | silt loam            |
|             | silty clay loam      |
| Naceville   | silt loam            |
| Nappanee    | loam                 |
|             | clay loam            |
|             | silty clay loam      |
|             | clay                 |
| Newton      | silty clay           |
|             | fine sand            |
|             | loamy fine sand      |
|             | very fine sandy loam |
|             | loam                 |

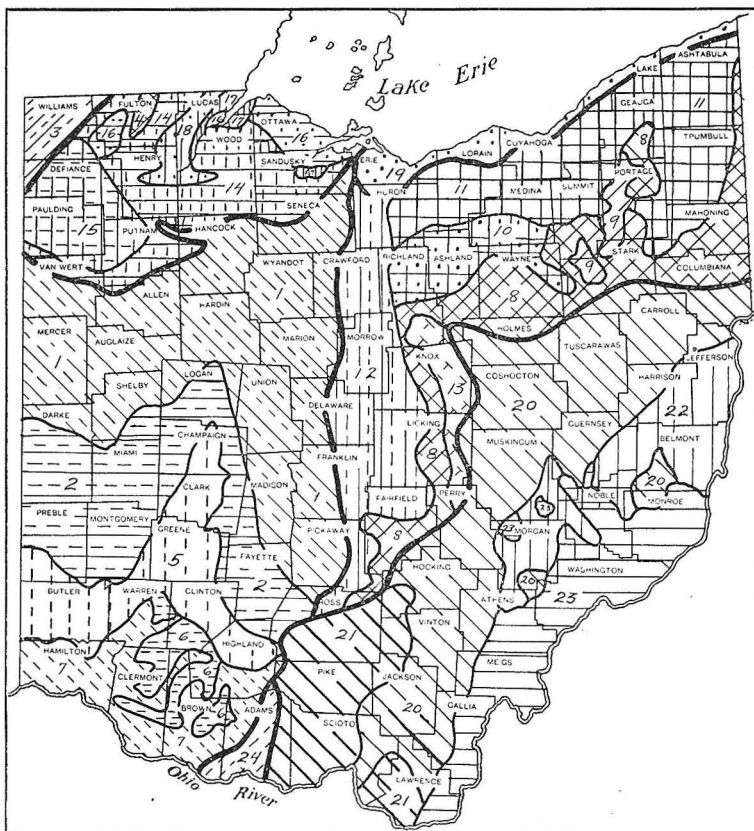


| Series        | Texture                 |
|---------------|-------------------------|
| Organic Soils | Muck                    |
|               | Peat                    |
|               | Edwards muck            |
|               | Carlisle muck           |
|               | Carlisle silty muck     |
|               | Greenwood peat          |
| Otisville     | gravel                  |
| Otway         | silt loam               |
|               | silty clay loam         |
| Painesville   | fine sandy loam         |
|               | very fine sandy loam    |
|               | loam                    |
|               | silt loam               |
| Palmer        | silty clay              |
| Pandora       | silty clay loam         |
|               | clay loam               |
|               | silty clay              |
| Papakating    | loam                    |
|               | silt loam               |
|               | silty clay loam         |
|               | clay loam               |
| Paulding      | silty clay loam         |
|               | clay                    |
|               | silty clay              |
| Philo         | fine sandy loam         |
|               | loam                    |
|               | silt loam               |
| Plainfield    | fine sand               |
|               | fine sand (mixed phase) |
|               | loamy fine sand         |
| Pope          | loam                    |
|               | gravelly loam           |
|               | silt loam               |
| Princeton     | fine sandy loam         |
|               |                         |
| Randolph      | fine sandy loam         |
|               | loam                    |
|               | stony loam              |
|               | silt loam               |
| Rarden        | silt loam               |
| Reynolds      | fine sandy loam         |
|               | very fine sandy loam    |
| Rimer         | fine sandy loam         |
|               | very fine sandy loam    |
|               | loam                    |
| Rittman       | silt loam               |
| Robertsville  | silt loam               |

## OHIO EXPERIMENT STATION

| Series       | Texture  |
|--------------|--|
| Rodman       | gravelly sandy loam<br>gravelly loam   |
| Ross         | silt loam  |
| Rossmoyne    | silt loam  |
| Russell      | silt loam<br>silty clay loam   |
| Sciotoville  | silt loam  |
| Shandon      | fine sandy loam  |
| Sloan        | silt loam<br>silty clay loam   |
| St. Clair    | silty clay loam  |
| Tilsit       | silt loam  |
| Toledo       | fine sandy loam<br>very fine sandy loam<br>loam<br>silt loam<br>silty clay loam<br>clay loam<br>silty clay |
| Trumbull     | fine sandy loam<br>loam<br>silt loam<br>silty clay loam<br>clay loam                                       |
| Tyler        | silt loam<br>silty clay loam<br>clay loam  |
| Upshur       | silty clay loam<br>clay  |
| Vaughnsville | loam   |
| Vincent      | silt loam  |
| Volusia      | sandy loam<br>fine sandy loam<br>loam<br>silt loam   |
| Wabash       | fine sandy loam<br>loam<br>silty clay loam<br>clay loam  |
| Wallkill     | silty clay loam<br>clay loam   |
| Warners      | loam   |
| Warsaw       | silt loam<br>very fine sandy loam<br>loam<br>silt loam   |





(G. W. Convey and E. M. Burrage)

Fig. 2.—Generalized soil map of Ohio, 1936

## LEGEND

## Generalized Soil Map of Ohio

- I. Glacial limestone soils.
  - a. Late Wisconsin Drift soils.
    1. Miami, Crosby, Brookston, and Clyde silty clay loam.
    2. Bellefontaine, Miami, and Crosby silt loam; Brookston and Clyde silty clay loam.
    3. Miami and Crosby loam and silt loam; Brookston clay loam and silty clay loam.
    4. Mixed sands and fine sandy loams—Coloma, Miami, Nappanee, Wauseon, etc.
  - b. Early Wisconsin Drift soils.
    5. Russell and Fincastle silt loam, with Brookston silt loam.
  - c. Illinoian Drift soils.
    6. Clermont, Avonburg, Rossmoyne, and Blanchester silt loam.
    7. Cincinnati and Rossmoyne silt loam; Fairmount silty clay loam.
- II. Glacial sandstone and shale soils.
  - a. Late Wisconsin Drift soils.
    8. Wooster, Canfield, Volusia, and Trumbull silt loam.
    9. Wooster and Canfield loam and sandy loam.
    10. Rittman, Medina, and Trumbull silt loam.
    11. Ellsworth, Mahoning, and Trumbull silty clay loam and silt loam.
    12. Alexandria, Cardington, and Bennington silt loam; Marengo silty clay loam.
  - b. Illinoian Drift soils.
    13. Hanover and Fallsbury silt loam.
- III. Lacustrine limestone soils.
  14. Brookston clay, with Nappanee clay loam, Wauseon fine sandy loam, etc.
  15. Paulding clay, with Nappanee clay.
  16. Toledo silty clay, with Fulton and Lucas silty clay loam.
  17. Toledo very fine sandy loam, loam, silt loam, and clay loam.
  18. Plainfield, Berrien, and Newton fine sand.
- IV. Lacustrine sandstone and shale soils.
  19. Painesville, Caneadea, and Lorain loam to silty clay loam; Plainfield and Berrien fine sand.
- V. Residual sandstone and shale soils.
  20. Muskingum silt loam, with Muskingum loam.
  21. Muskingum silt loam (largely steep phase).
  22. Westmoreland and Belmont silty clay loam, with Muskingum silt loam.
  23. Meigs silty clay loam and Upshur clay, with Muskingum silt loam.
- VI. Residual limestone and shale soils.
  24. Hagerstown, Bratton, Maddox, and Ellsberry silt loam; Heitt, Eden, and Fairmount silty clay loam.

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