Revision of May 1, 1920.

Key to the Soils of the Glacial and Loessial Province.

Glacial material

Mainly granitic or metamorphic material

Mainly granite with schist and gneiss

Brown soil

Gray, drab or yellow subsoil often mottled
- Subsoil stratum sandstone
  - Yesper
  - Gray to brown soils
  - Yellowish brown subsoil
  - Yellowish brown subsoil
- Flocculent
  - Spencer
- Yellow subsoil
  - Crumbly structure
- Yellowish brown subsoil mottled gray, rusty and yellow
  - Whitman

Dark gray to dark brown soil

Yellow subsoil
- Gray subsoil
  - Poorly drained
  - Whitman

Mainly schist slate with some granite and gneiss

Brown soil

Light brown soil
- Yellow subsoil
  - Dutchess
- Gray subsoil
  - Bangor

Yellow subsoil

- Hollie
- Subsoil stratum blue clay
  - Bernardston

Mainly diabase and crinite

Brown soil

Yellow subsoil
- Holyoke

Mainly limestone material

Pure limestone

Yellowish brown to reddish brown soil

Yellowish brown subsoil
- Reddish brown soil
  - Belle-fontaine
  - 1-3 ft.
  - Milton
- Reddish brown heavier subsoil, "clay" structure
  - Stony calcareous drift
    - Posen

Brown to reddish brown soil

Reddish brown heavy subsoil
- Limestone bedrock at 1 - 3 ft.
  - Randolph

Brown soil

Reddish brown subsoil
- Yellow subsoil
  - Old drift south of terminal moraine
  - Limestone cobbles and boulders probably decayed
  - Moranic
  - Nunda
  - Bedrock Summerhill

Shaly limestone

Brownish gray soil

Mottled yellow subsoil
- Yellow subsoil
  - Drainage poorly established
  - Easton
- Yellow subsoil
  - Drainage well established
  - Caribou

White soil

Mottled yellow subsoil
- Subsoil stratum of limestone
  - Drainage poor
  - Farmington

Light brown soil

Yellow subsoil
- Subsoil stratum blue clay
  - Bernardston

Gray soil

Gray subsoil sticky and heavy
- Sagn

Brown soil

Brown friable subsoil
- Gray, calcareous subsoil stratum
  - Linneus

Mainly shale with some sandstone

Calcareous

Black soil

Black shale soil
- Mottled subsoil
  - Mohawk

Light colored shale soil

Brown shale soil
- Light brown subsoil
  - Coss-ayuna

Non-calcareous

Light colored shale and sandstone

Brown soil
- Yellowish brown subsoil
  - Subsoil friable
    - Irregular
      - Wooster
    - Moranic
  - Brownish gray soil
    - Brownish drab heavy clay, tile
      - Lower subsoil
        - Ellsworth

Brownish-gray soil

Yellow upper subsoil
- Brownish drab heavy clay, tile
  - Lower subsoil
    - Canfield

Gray to light grayish-brown soil

Gray, Gray yellow and yellowish brown mottled upper subsoil
- Undulating
  - Rolling
    - Volusia
- Brownish gray to greenish drab heavy lower subsoil
  - Slightly calcareous
    - Mahoning

Light gray soil

Ashy gray subsoil
- Gray, yellow and brown mottled tile subsoil
  - Flat and poorly drained
    - Trumbull subsoil

Light to dark colored shale and sandstone

Older than Devonian
- Yellow soil
  - Brown soil
    - Yellow subsoil
      - Worth

Mainly sandstone with some shale

Red sandstone

Red soil

Indian red subsoil
- Tri-assic material
  - Methers-field
- Medina and Catskill materials
  - Lack-awanna
    - Red sandstone and shale material
      - Norwich

Brown soil

Gray, yellowish brown mottled subsoil with reddish tinge
- Red conglomerate sandstone
  - Maple-ton

Red-brown subsoil

Medina sandstone
- River shale subsoil stratum
  - Culvers
    - Lardstown

Light colored sandstone

Gray soil

Yellow subsoil
- Brownish yellow subsoil stratum
  - Hudson
    - Rockton

Brown soil

Yellow subsoil
- Adirondack

Mainly sandstone with some limestone

Brown soil

Reddish clay subsoil
- Deep Drumlin (rock phase
- Thin phase sub-stratum
  - Ontario
    - Case-novia

Brown to dark brown soil

Brown to light brown sub-soil
- Mainly colluvial
  - Red Wing

Mainly shale and limestone

Dark brown to black soil

Gray-ish yellow subsoil
- Wall-pack
  - Edgeley

Yellow soil

Yellow subsoil
- Flat and poorly drained
  - Fulton

Assorted glacial material

Re-worked lacustrine material (Moranic)

Gray-ish to red subsoil
- Pink-ish red subsoil
  - Calcareous
    - Kewaunee

Kame and Esker material

Black soil

Brown to yellowish gray subsoil and gravel
- Subsoil stratum gravel
  - Pierce

Brown, yellow or gray subsoil

Yellow or gray subsoil
- Granitic material
  - Subsoil stratum limestone gravel
    - Hinckley
- Subsoil stratum limestone free gravel
  - Otisville
- Subsoil stratum limestone gravel
  - Redman
    - Parent Limestone Gravel

Brown, yellow or gray soil

Ground moraine
- Non-calcareous
  - Flushing
    - Thurston

Plymouth

Thin ice laid material

Mainly sandstone material

Brown soil

Yellow subsoil
- Yellow subsoil
  - Yellow subsoil
    - Terminal moraine
      - Coloma

Mainly sandstone material

Brown soil

Yellow subsoil
- Yellow subsoil
  - Yellow subsoil
    - Yellow subsoil
      - Coloma

Ice laid material

Mixed granite, sandstone, shale and limestone

Substratum of boulder clay

Black soil

Blu-ish gray to yellow subsoil
- Gray or mottled tough subsoil
  - Calcareous till subsoil stratum
    - Clyde
      - Webster

Dark brown soil

Gray-ish brown subsoil
- Yellowish brown subsoil
  - Carrington
    - Yellow subsoil highly calcareous
      - Barnes

Brown soil

Yellow-ish brown mottled upper subsoil
- Yellow subsoil
  - Brookston

Brown to dark brown soil

Brown mottled drab upper subsoil
- Yellow subsoil
  - Miami
    - Calcareous
      - Williams

Yellow subsoil

- Miami
- White subsoil
  - Calcareous
    - Williams

Brown to reddish brown soil

Light brown subsoil
- Red mottled calcareous
  - Mellen

Brown-ish gray soil

Light brown surface brown to yellow-ish brown subsoil
- High-ly cal-careous till at 22 - 30 inches
  - Conover

Yellow soil

Yellow-ish brown sandy brown clay subsoil
- Lime concretions
  - Lindley

Gray soil

Gray subsoil
- Gray surface layer
  - Yellow-ish brown sandy brown subsoil
    - Crosby

Loessial material

Dark brown to black soil

Dark brown friable silty upper soil

Compact yellowish brown silty subsoil
- Subsoil or subsoil highly calcareous
  - Marshall

Brown friable upper soil

Light yellowish brown silty subsoil
- Subsoil and subsoil not highly calcareous
  - Tama

Mottled dark brown and yellowish brown heavy soil

Mottled yellowish brown plastic subsoil
- Mottled yellowish brown plastic subsoil
  - Grundy

Light brown friable upper soil

Subsoil brown to gray-ish brown plastic subsoil
- Deeper subsoil mottled yellowish brown plastic clay
  - Edina

Light brown soil

Subsurface gray layer

Upper subsoil heavy plastic mottled clay
- Deeper subsoil mottled yellowish brown silty clay
  - Putnam

Yellow subsoil

Compact

Gray to yellowish brown
- Rossmoyne

Friable

Much eroded
- Lexington

Sub-stratum orange sand
- Loess weathered
  - Judson

Coll-uvial material
- Deep
  - Hamburg

Slop-ing
- Broad-bluff loess material
  - Sur-face-cial weathering

Red-dish brown subsoil

Plastic clay
- Moderately calcareous
  - Clinton

Gray to dark gray soil

Light brown soil
- Compact yellowish brown silty subsoil
  - Mod-erately calcareous
    - Clinton

Gray, pale yellow to light brown soil

Mottled yellowish clay subsoil
- Hard-pan
  - Drought
    - Marion

Light yellow silty clay subsoil
- Iron concretions and shale
  - Scott-sburg

Gray soil
- Gray drab mottled yellowish clay subsoil
  - Drainage poorly established
    - Sub-stratum white silt
      - Plastic, nearly impervious subsoil
        - Clermont

White soil

Light yellow loess subsoil
- Imperfectly drained
  - Carroll

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