

# Major Land Resource Area 105X

## Upper Mississippi River Bedrock Controlled Uplands and Valleys

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### Ecological site keys

#### MLRA 105 Key

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#### 1 FLOODPLAINS

- I. Sandy textured soils ... F105XY002WI – Wet Sandy Floodplain
- II. Loamy, silty, and clayey textured soils ... F105XY003WI – Wet Loamy-Clayey Floodplain

#### 2 LOWLANDS

- I. Organic soils ... F105XY001WI – Mucky Swamp
- II. Non-organic soils
  - a. Very poorly or poorly drained soils
    - i. Sandy textured soils ... F105XY004WI – Wet Sandy Lowland
    - ii. Loamy, silty, and clayey textured soils ... F105XY003WI – Wet Loamy-Clayey Floodplain
  - b. Somewhat poorly drained lowlands
    - i. Sandy textured soils ... F105XY006WI – Moist Sandy Lowland
    - ii. Loamy, silty, and clayey textured soils
      - 1 Mollisols ... R105XY007WI – Moist Mollic Loamy-Clayey Lowland
      - 2 Not Mollisols ... F105XY008WI – Moist Loamy-Clayey Lowland

#### 3 UPLANDS

- I. Moderately well drained and well drained uplands
  - a. Sandy textured soils ... F105XY009WI – Sandy Upland
  - b. Loamy and silty textured soils
    - i. Mollisols
      - 1 Bedrock <50 cm ... R105XY010WI – Shallow Mollic Loamy-Silty Upland
      - 2 Bedrock >50 cm ... R105XY011WI – Mollic Loamy-Silty Upland
    - ii. Not Mollisols
      - 1 Bedrock < 1 meter ... F105XY012WI – Shallow Loamy-Silty Upland
      - 2 Bedrock > 1 meter ... F105XY013WI – Loamy-Silty Upland
  - c. Clayey textured soils
    - i. Mollisols ... R105XY014WI – Mollic Clayey Upland
    - ii. Bedrock within 1 meter ... F105XY015WI – Shallow Clayey Upland

iii. Not a Mollisol and no bedrock within 1 meter ... F105XY016WI – Clayey Upland

**II. Somewhat excessively and excessively drained**

**a. No colluvium, slope alluvium, pedisegment, or residuum**

i. Bedrock within 1 meter ... F105XY017WI – Shallow Dry Upland

ii. Mollisols ... R105XY018WI – Dry Mollic or Umbric Upland

iii. Not a Mollisol and no bedrock ... F105XY019WI – Dry Upland

**b. Colluvium, slope alluvium, pedisegment, or residuum**

i. Sandstone ... R105XY020WI – Sandstone Colluvium Bluff Prairie

ii. Calcareous rock ... R105XY021WI – Limestone Colluvium Bluff Prairie