

# Major Land Resource Area 089X

## Wisconsin Central Sands

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### Ecological site keys

#### MLRA 89X Key

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#### I. Lowlands (floodplains, depressions and flats, and organic soils)

##### A. Organic soil and has a Histic epipedon or is a Histosol (≥20 cm of organic soil materials)

- 1 Soil pH is below 4.5 ... F089XY001WI – Acidic Poor Fen
- 2 Soil pH is above 4.5 ... F089XY002WI – Mucky Swamps

##### B. Mineral soil (Histic epipedon or Histosol absent)

- 1 Site is in a floodplain
  - i. Soil texture is sandy ... F089XY003WI – Sandy Floodplains
  - ii. Soil texture is loamy ... F089XY004WI – Loamy Floodplains
- 2 Site is not in a floodplain and is poorly or very poorly drained
  - i. Soil is sandy textured
    - a. Site has bedrock within 200 cm ... F089XY005WI – Wet Sandy Bedrock Lowlands
    - b. Site does not have bedrock within 200 cm
      - 1) Parent material is glacial outwash ... F089XY006WI – Wet Sandy Outwash Lowlands
      - 2) Parent material is siliceous sand ... F089XY007WI – Wet Siliceous Sand Lowlands
  - ii. Soil is loamy textured ... F089XY008WI – Wet Loamy Lowlands
  - iii. Soil is clayey textured ... F089XY009WI – Wet Clayey Lowlands

#### II. Uplands (footslopes, backslopes, shoulders, and summits)

##### A. Site has a bedrock contact within 200 cm

- 1 Soil is dominated by sandy textures
  - i. Soil is somewhat poorly drained ... F089XY010WI – Moist Sandy Bedrock Uplands
  - ii. Soil is moderately well, well, or excessively drained ... F089XY016WI – Dry Sandy Bedrock Uplands
- 2 Soil is dominated by loamy textures
  - i. Soil is somewhat poorly drained ... F089XY013WI – Moist Loamy Bedrock Uplands
  - ii. Soil is moderately well, well or excessively drained ... F089XY019WI – Loamy Bedrock Uplands

##### B. Site is somewhat poorly drained (no bedrock contact within 200 cm)

- 1 Soil is sandy textured
  - i. Parent material is glacial outwash ... F089XY011WI – Moist Sandy Outwash Uplands
  - ii. Parent material is siliceous sand ... F089XY012WI – Moist Siliceous Sandy Uplands
- 2 Soil is loamy textured ... F089XY014WI – Moist Loamy Uplands
- 3 Soil is fine textured ... F089XY015WI – Moist Clayey Uplands

##### C. Site is moderately well, well, or excessively drained (no bedrock contact within 200 cm)

- 1 Soil is sandy textured
  - i. Parent material is glacial outwash ... F089XY017WI – Sandy Outwash Uplands
  - ii. Parent material is siliceous sand ... F089XY018WI – Siliceous Sand Uplands
- 2 Soil is loamy textured ... F089XY020WI – Loamy Uplands

