

Major Land Resource Area 107X Iowa and Missouri Deep Loess Hills

Accessed: 02/10/2025

Ecological site keys

MLRA 107A Key to Provisional Ecological Sites

I. Uplands

A. Summits, Shoulder & Backslopes

1 Loess ... R107XA201IA – Loess Upland Prairie

2 Calcareous till

i. Slopes $\leq 20\%$... R107XA202IA – Calcareous Till Upland Prairie

ii. Slopes $\geq 20\%$

a. South and West aspects ... R107XA203IA – Calcareous Till Exposed Backslope Prairie

b. North and East aspects ... R107XA204IA – Calcareous Till Protected Backslope Savanna

3 Loamy sediments ... R107XA205IA – Loamy Sediment Upland Prairie

4 Outwash (including ≤ 40 inches (100 cm) loess over outwash) ... R107XA206IA – Outwash Upland Prairie

5 Eolian sands ... R107XA207IA – Sandy Dry Prairie

B. Upland Flats & Depressions, slopes 0-2%

1 Ponded ... R107XA208IA – Ponded Upland Depression Sedge Meadow

2 Not ponded

i. Drainageway ... R107XA210IA – Wet Upland Drainageway Prairie

ii. not as above ... R107XA209IA – Wet Upland Sedge Meadow

II. Not as above

A. Valley footslope, colluvial parent material ... R107XA211IA – Footslope Prairie

B. Stream terrace ... R107XA212IA – Stream Terrace Prairie

C. Floodplain

1 Frequently flooded, depth to water table > 18 inches (45 cm), and located within the Little Sioux River floodplain ... R107XA213IA – Loamy Floodplain Forest

2 Not as above

i. Deep to water table (≥ 30 cm), Somewhat Poorly to Moderately Well drained ... R107XA214IA – Loamy Floodplain Prairie

ii. Shallow to water table (< 12 inches (30 cm)), Poorly to Very Poorly drained ... R107XA215IA – Wet Floodplain Sedge Meadow