

Major Land Resource Area 134X

Southern Mississippi Valley Loess

Accessed: 05/20/2025

Ecological site keys

MLRA 134 Main Belt (east of Mississippi River)

I. North of Big Black River

A. Parent material loess

1 Loess Hills physiographic subsection

i. Backslopes (greater than 12 percent slopes) ... F134XY001TN – Northern Deep Loess Backslope Mesophytic Forest

II. Summits (less than 12 percent slopes) ... F134XY002TN – Northern Deep Loess Summit

2 Loess Plains physiographic subsection

i. No restrictive layers or episaturation

a. Slopes less than 8 percent

1 Interfluves/divides ... F134XY003AL – Northern Loess Interfluve

2 Terraces ... F134XY007AL – Northern Loess Terrace - PROVISIONAL

b. Slopes greater than 8 percent ... F134XY006AL – Northern Loess Sideslope

ii. Restrictive layers (fragipan) or episaturation

a. Interfluves/divides (uplands)

1 Moderately well drained (fragipan) ... F134XY012AL – Northern Loess Fragipan Upland - PROVISIONAL

2 Drainage poor (SWPD/PD)

i. Somewhat poorly drained ... F134XY004AL – Northern Moderately Wet Loess Interfluve

ii. Poorly drained ... F134XY005AL – Northern Wet Loess Interfluve

b. Terraces

1 Moderately well drained (fragipan) ... F134XY013AL – Northern Loess Fragipan Terrace - PROVISIONAL

2 Drainage poor (SWPD/PD)

i. Somewhat poorly drained ... F134XY008AL – Northern Moderately Wet Loess Terrace - PROVISIONAL

ii. Poorly drained

a. Ponded depressions ... F134XY011AL – Northern Ponded Loess Terrace - PROVISIONAL

b. No ponding

1 Natric soils ... F134XY009AL – Northern Natric Loess Terrace - PROVISIONAL

2 Absence of natric horizons ... F134XY010AL – Northern Wet Loess Terrace - PROVISIONAL

B. Parent material alluvium

1 Soils non-acid reaction class (typically associated with floodplains in deep loess landscapes – e.g., Loess Hills)

i. Well to moderately well drained ... F134XY014AL – Northern Non-Acid Floodplain - PROVISIONAL

ii. Drainage poor (SWPD/PD)

a. Somewhat poorly drained ... F134XY015AL – Northern Non-Acid Moderately Wet Floodplain - PROVISIONAL

b. Poorly drained ... F134XY016AL – Northern Non-Acid Wet Floodplain - PROVISIONAL

2 Soils acid reaction class

i. Soil drainage well to excessive (natural levees)

a. Excessively drained ... F134XY017AL – Northern Sandy Drainageway

b. Well to moderately well drained ... F134XY018AL – Northern Alluvial Flat - PROVISIONAL

ii. Soil drainage poor (level to depressional floodplains)

a. Somewhat poorly drained ... F134XY019AL – Northern Moderately Wet Alluvial Flat - PROVISIONAL

b. Poorly drained

1 Level floodplain (not ponded) ... F134XY020AL – Northern Wet Alluvial Flat - PROVISIONAL

2 Ponded depressions ... F134XY021AL – Northern Backswamp - PROVISIONAL

II. South of Big Black River

A. Loess

1 74a Southern Bluff Hills

i. Loess greater than 4 feet thick

a. Summits

1 Less than 12% Slope

i. Well Drained ... F134XY107MS – Southern Deep Loess Summit - PROVISIONAL

b. Backslope

1 Greater than 12% Slope

i. Well Drained ... F134XY108MS – Southern Deep Loess Backslope - PROVISIONAL

2 74c Southern Rolling Plains

i. No Fragipan

a. Loess greater than 4 feet thick

1 Terrace

i. Less than 8% Slope

a. Poorly Drained

1 No Ponding

i. Natric ... F134XY103MS – Southern Rolling Plains Loess Wet Terrace - PROVISIONAL

ii. Not Natric ... F134XY103MS – Southern Rolling Plains Loess Wet Terrace - PROVISIONAL

ii. Fragipan

a. Loess greater than 4 feet thick

1 Interfluvium

i. Less than 8% Slope

a. Somewhat Poorly Drained ... F134XY103MS – Southern Rolling Plains Loess Wet Terrace - PROVISIONAL

b. Moderately Well Drained ... F134XY105MS – Southern Rolling Plains Loess Fragipan Upland - PROVISIONAL

2 Sideslope

i. Greater than 8% Slope

a. Moderately Well Drained ... F134XY105MS – Southern Rolling Plains Loess Fragipan Upland - PROVISIONAL

3 Terrace

i. Less than 8% Slope

a. Moderately Well Drained ... F134XY105MS – Southern Rolling Plains Loess Fragipan Upland - PROVISIONAL

B. Loess over Marine Sediments

1 Southern Rolling Plains

i. No Fragipan

a. Loess 2 - 4 feet thick

1 Summit

i. Less than 8% Slope

a. Well drained ... F134XY106MS – Southern Rolling Plains
Thin Loess Upland - PROVISIONAL

2 Backslope

ii. Greater than 8% Slope

a. Well drained ... F134XY106MS – Southern Rolling Plains
Thin Loess Upland - PROVISIONAL

ii. Fragipan

a. Loess 2 - 4 feet thick

1 Summit

i. Less than 8% Slope

a. Well Drained, Moderately Well Drained ... F134XY105MS –
Southern Rolling Plains Loess Fragipan Upland - PROVISIONAL

2 Terrace

i. Greater than 8% Slope

a. Moderately Well Drained, Somewhat Poorly Drained ...
F134XY103MS – Southern Rolling Plains Loess Wet Terrace -
PROVISIONAL

C. Alluvium

1 Non-Acid

i. Drainageways

a. Well Drained, Moderately Well Drained ... F134XY102MS – Southern
Rolling Plains Loess Stream Terrace - PROVISIONAL

2 Acid

i. Natural Levee

a. Excessively Drained, Well Drained, Moderately Well Drained

1 Loamy ... F134XY102MS – Southern Rolling Plains Loess Stream
Terrace - PROVISIONAL

ii. Drainageways

a. Well Drained, Moderately Well Drained

1 Silty ... F134XY102MS – Southern Rolling Plains Loess Stream
Terrace - PROVISIONAL

b. Somewhat Poorly Drained

1 Silty ... F134XY101MS – Southern Rolling Plains Loess Drainways -

PROVISIONAL

c. Poorly Drained

1 Entic/Inceptic soil Orders

- i. Silty ... F134XY101MS – Southern Rolling Plains Loess
Drainways - PROVISIONAL

III. Southern Main Belt - 74d - Baton Rouge Terrace

A. Loess

1 Fragipan

i. 2nd Terrace

- a. Somewhat Poorly Drained ... F134XY124LA – Baton Rouge Terrace
Southern Loess Terrace - PROVISIONAL

2 No Fragipan

i. 2nd Terrace

- a. Moderately Well Drained ... F134XY124LA – Baton Rouge Terrace
Southern Loess Terrace - PROVISIONAL

- b. Somewhat Poorly Drained

- 1 High Sodium ... F134XY124LA – Baton Rouge Terrace Southern
Loess Terrace - PROVISIONAL

3 Fragipan

i. 1st Terrace

- a. Somewhat Poorly Drained ... F134XY124LA – Baton Rouge Terrace
Southern Loess Terrace - PROVISIONAL

4 No Fragipan

i. 1st Terrace

- a. Somewhat Poorly Drained ... F134XY124LA – Baton Rouge Terrace
Southern Loess Terrace - PROVISIONAL

- b. Poorly Drained ... F134XY123LA – Baton Rouge Terrace Southern
Loess Low Terrace - PROVISIONAL

ii. Lower Landscape

- a. Somewhat Poorly Drained ... F134XY124LA – Baton Rouge Terrace
Southern Loess Terrace - PROVISIONAL

- b. Poorly Drained

- 1 High Sodium ... F134XY123LA – Baton Rouge Terrace Southern
Loess Low Terrace - PROVISIONAL

- iii. Stream Terrace ... F134XY122LA – Baton Rouge Terrace Southern Loess
Stream Terrace - PROVISIONAL

- iv. Ridge in Alluvial Swamp ... F134XY122LA – Baton Rouge Terrace Southern
Loess Stream Terrace - PROVISIONAL

v. Stream Bottom (Natural Levee) ... F134XY121LA – Baton Rouge Terrace
Southern Loess Drainageway - PROVISIONAL